

18	1467 * 0390 DISPATCHER TQE	0008	8	NUMINTQE *
	1468 *			*
	1469 * 0398 MIDNIGHT TQE	0008	8	NUMINTQE *
	1470 *			*
19	1471 * 0340 STATISTICAL LOGGING TQE	0008	8	NUMDLTQE *
	1472 *			*
	1473 * 03A8 SQS FAILURE TQE	0008	8	NUMATQE *
	1474 *			*
20				

B01

01	LYC7 - 1364 - 7 IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT				01
	29 JANUARY 82	PROGNO 5726-SS1	REL: R08-M00		
02	COPYRIGHT IBM CORP. 1978 LICENSED MATERIAL - PROPERTY OF IBM				02
03	*****	*****	*****	*****	03
04	*****	*****	*****	*****	04
05	*****	*****	*****	*****	05
06	*****	*****	*****	*****	06
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17	*****	*****	*****		17
18	*****	*****	*****		18
19	*****	*****	*****		19
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A01

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UGMNTQE *
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UGDLTQE *
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01	\$HELP 12/05/81 09:32
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01	4900 SYMBOL VERS 1
02	YOU USED 2423 SYM
03	LENGTH OF MODULE IS 6
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1545 *	0350 1546	NUMSWACE EQU	NUMSWACE+NULACE ACE FOR SWAP IOB
1547 *	0360 1548	NUMSWACE EQU	NUMSWACE+NULACE ACE FOR MS XIENT SCHEDULER
1549 *	0370 1550	NUMTEACE EQU	NUMTEACE+NULACE ACE FOR DISKETTE ERP
1551 *	0380 1552	NUMCSETC EQU	NUMTEACE+NULACE CS TASK-TASK ERROR ACE
1553 *			

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4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.

YOU USED 2423 SYMBOLS.

LENGTH OF MODULE IS 6624

\$HELP SYSTEM/34 HELP UTILITY

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE
				3 */* S
				4 */* M
				5 */* M
				6 */* M
				7 */* DE
				8 */* M
				9 *
				10 */* CC
				11 */* M
				12 */* M
				13 **** EN
				14 */* M
				15 */* ST
				16 */* M
				17 */* FU
				18 */* M
				19 */* M
				20 */* M
				21 */* M
				22 */* M
				23 */* M
				24 */* M
				25 */* M
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				36 */* M
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				39 */* M
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				51 */* M
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				53 */* M
				54 */* M
				55 */* M

A03

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	PAGE	1	V09/11/81	12/05/81	12:00
01					\$HELP SYSTEM/34 HELP UTILITY					
02										
03					3 */* START OF SPECIFICATIONS *****/					00040000
04					4 */*					00050000
05					5 */* MODULE NAME = \$HELP					00060000
06					6 */*					00070000
07					7 */* DESCRIPTIVE NAME = SYSTEM/34 HELP UTILITY					00080000
08					8 */*					00090000
09					9 * COPYR					00100000
10					10 */* COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981					
11					11 */* LICENSED MATERIAL - PROGRAM PROPERTY OF IBM					
12					12 */* REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.*/					
13					13 *** END OF EXPANSTION **					
14					14 */*					00110000
15					15 */* STATUS = RELEASE 8					00120000
16					16 */*					00130000
17					17 */* FUNCTION =					00140000
18					18 */*					00150000
19					19 */* CROSS REFERENCE					00160000
20					20 */*					00170000
21					21 */* FUNCTION LABEL					00180000
22					22 */*					00190000
23					23 */* 1. PREPARE TO DISPLAY SCREEN FORMATS TO					00200000
24					24 */* PROMPT FOR SSP PROCEDURE PARAMETERS. \$HELP					00210000
25					25 */* 2. SEARCH THE FORMAT TABLE FOR A					00220000
26					26 */* VALID PROCEDURE NAME. HE001000					00230000
27					27 */* 3. REVERSE COMPRESSION MASK HE001100					00240000
28					28 */* 4. INSURE THAT MANDATORY FIELDS ARE PRESENT HE001200					00243000
29					29 */* 5. SET ON SPECIFIED SFGR INDICATOR HE001300					00246000
30					30 */* 6. DISPLAY FORMAT HE002000					00250000
31					31 */* 7. MOVE PARAMETERS TO NEXT PPSA LOCATION HE002100					00260000
32					32 */* 8. PROCESS KEYWORD PARAMETERS HE002200					00270000
33					33 */* 9. DISPLAY LISTS HE002300					00280000
34					34 */* 10. OPEN LOAD MEMBERS HE002400					00290000
35					35 */* 11. PULL PARAMETERS IN WORK ST. ION BUFFER HE002500					00300000
36					36 */* 12. PROCESS THE HELP KEY HE002600					00310000
37					37 */* 13. SET UP PPSA FOR JOBQ HE002700					00320000
38					38 */* 14. SEARCH LIST TABLE AND DISPLAY LISTS HE002800					00330000
39					39 */* 15. LEFT JUSTIFY PARAMETERS HE002900					00340000
40					40 */* 16. PROCESS PARAMETERS FOR ALTERBSC PROCEDURE HE003000					00350000
41					41 */* 17. PROCESS PARAMETERS FOR FORMAT PROCEDURE HE003100					00360000
42					42 */* 18. PROCESS PARAMETERS FOR FROMLIBR PROCEDURE HE003200					00370000
43					43 */* 19. PROCESS PARAMETERS FOR HISTORY PROCEDURE HE003300					00380000
44					44 */* 20. PROCESS PARAMETERS FOR LIBRIBR PROCEDURE HE003400					00390000
45					45 */* 21. PROCESS PARAMETERS FOR LISTFILE PROCEDURE HE003500					00400000
46					46 */* 22. PROCESS PARAMETERS FOR ORGANIZE PROCEDURE HE003600					00410000
47					47 */* 23. PROCESS PARAMETERS FOR OVERRIDE PROCEDURE HE003700					00420000
48					48 */* 24. PROCESS PARAMETERS FOR REMOVE AND LISTLIBR PROCEDURES HE003800					00440000
49					49 */*					00450000
50					50 */* 25. PROCESS PARAMETERS FOR RESTORE PROCEDURE HE003900					00460000
51					51 */* 26. PROCESS PARAMETERS FOR SAVE PROCEDURE HE004000					00470000
52					52 */* 27. PROCESS PARAMETERS FOR TRANSFER PROCEDURE HE004100					00480000
53					53 */* 28. PROCESS PARAMETERS FOR BLDLIBR PROCEDURE HE004200					00490000
54					54 */* 29. PROCESS PARAMETERS FOR DELETE PROCEDURE HE004300					00500000
55					55 */* 30. PROCESS PARAMETERS FOR SPECIFY PROCEDURE HE004400					00500000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					\$HELP SYSTEM/34 HELP UTILITY
02					56 */*
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16					70 */* N
17					71 */*
18					72 */*
19					73 */*
20					74 */*
21					75 */*
22					76 */*
23					77 */*
24					78 */*
25					79 */*
26					80 */*
27					81 */*
28					82 */* M
29					83 */*
30					84 */*
31					85 */*
32					86 */*
33					87 */*
34					88 */*
35					89 */*
36					90 */* EN
37					91 */*
38					92 */*
39					93 */*
40					94 */*
41					95 */*
42					96 */*
43					97 */*
44					98 */* IM
45					99 */*
46					100 */*
47					101 */*
48					102 */*
49					103 */* DU
50					104 */*
51					105 */*
52					106 */*
53					107 */* EX
54					108 */*
55					109 */* EX

17	004F 1643 PPSWARD5 EQU PPSWARD+8 VARIABLE 5	17
18	0057 1645 PPSWARD6 EQU PPSWARD+8 VARIABLE 6	18
19	005F 1647 PPSWARD7 EQU PPSWARD+8 VARIABLE 7	19
20	0067 1649 PPSWARD8 EQU PPSWARD+8 VARIABLE 8	20

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	HEX	ASSEMBLY	DECIMAL
01							
02		56	*/	31. PROCESS PARAMETERS FOR ALTERSOL PROCEDURE	HE004500	*/	00510000
		57	*/	32. PROCESS PARAMETERS FOR CATALOG PROCEDURE	HE004600	*/	00520000
03		58	*/	33. PROCESS PARAMETERS FOR TOLIBR PROCEDURE	HE004700	*/	00530000
		59	*/	34. PROCESS PARAMETERS FOR MRJE PROCEDURE	HE004800	*/	00540000
		60	*/	35. CONVERT FORMAT NAME	HE004900	*/	00550000
04		61	*/	36. DISPLAY FORMAT SPECIFIED BY NUMBER	HE005000	*/	00560000
		62	*/	37. PROCESS PARAMETERS FOR PMLIST PROCEDURE	HE005100	*/	00562000
		63	*/	38. PROCESS PARAMETERS FOR SPSSTART PROCEDURE	HE005200	*/	00564000
05		64	*/	39. PROCESS PARAMETERS FOR APPLYPTF PROCEDURE	HE005300	*/	00565000
		65	*/	40. PROCESS PARAMETERS FOR POST PROCEDURE	HE005400	*/	00566000
		66	*/	41. MOVE 11TH PARAMETER TO LOCAL AREA PROCEDURE	HE005500	*/	00568000
06		67	*/	42. CALL SYSLOG WITH AN ERROR	HE009000	*/	00570000
		68	*/	43. WORKSTATION ERROR RECOVERY	HE009100	*/	00580000
		69	*/			*/	00590000
07		70	*/	NOTES		*/	00600000
		71	*/			*/	00610000
		72	*/	DEPENDENCIES		*/	00620000
08		73	*/			*/	00630000
		74	*/	RESTRICTIONS = ALL BUFFERS MUST BE ON AN 8-BYTE BOUNDARY		*/	00640000
		75	*/			*/	00650000
09		76	*/	REGISTER CONVENTIONS = XR1 REFERS TO REGISTER 1		*/	00660000
		77	*/	XR2 REFERS TO REGISTER 2		*/	00670000
		78	*/	ARR REFERS TO THE RETURN ADDRESS		*/	00680000
10		79	*/			*/	00690000
		80	*/	PATCH LABEL = HEPATCH		*/	00700000
		81	*/			*/	00710000
11		82	*/	MODULE TYPE = LOAD MODULE ('D')		*/	00720000
		83	*/			*/	00730000
		84	*/	PROCESSOR = SYSTEM/34		*/	00740000
12		85	*/			*/	00750000
		86	*/	MODULE SIZE = 14 K DESIGN POINT		*/	00760000
		87	*/			*/	00770000
13		88	*/	ATTRIBUTES = C40100		*/	00780000
		89	*/			*/	00790000
		90	*/	ENTRY POINT = HE000100		*/	00800000
14		91	*/			*/	00810000
		92	*/	PURPOSE = PROMPTS THE USER FOR THE PARAMETERS ON A		*/	00820000
		93	*/	SSP PROCEDURE.		*/	00830000
15		94	*/			*/	00840000
		95	*/	LINKAGE = NAME OF THE PROCEDURE TO BE PROMPTED FOR IS IN		*/	00850000
		96	*/	THE PPSA		*/	00860000
16		97	*/			*/	00870000
		98	*/	INPUT = PROCEDURE PARAMETER SAVE AREA		*/	00880000
		99	*/	JOB CONTROL BLOCK		*/	00890000
17		100	*/	TASK CONTROL BLOCK		*/	00900000
		101	*/	TERMINAL UNIT BLOCK		*/	00910000
		102	*/			*/	00920000
18		103	*/	OUTPUT = SCREEN FORMAT IS DISPLAYED		*/	00930000
		104	*/	PPSA IS UPDATED WITH THE PARAMETERS ENTERED		*/	00940000
		105	*/	REQUIRED PROCEDURE IS CALLED		*/	00950000
19		106	*/			*/	00960000
		107	*/	EXIT-NORMAL = REQUIRED PROCEDURE IS CALLED		*/	00970000
		108	*/			*/	00980000
20		109	*/	EXIT-ERROR = SYSLOG CALLED		*/	00990000

01 SHELF SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
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09/11/81 12/05/81 12:00

ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT	ADDR
01						
02	00510000		110	*/	*/	01000000
	00520000		111	*/	EXTERNAL REFERENCE	01010000
	00530000		112	*/	*/	01020000
03	00540000		113	*/	ROUTINES = END-OF-JOB	01030000
	00550000		114	*/	WORK STATION DATA MANAGEMENT	01040000
	00560000		115	*/	COMMAND PROCESSOR	01050000
04	00562000		116	*/	SYSLOG	01060000
	00564000		117	*/	TWAG/TWAP	01070000
	00565000		118	*/	*/	01080000
05	00566000		119	*/	DATA AREAS = JOBCONTROL BLOCK	01090000
	00568000		120	*/	WORK STATION WORK AREA	01100000
	00570000		121	*/	PROCEDURE PARAMETER SAVE AREA	01110000
06	00580000		122	*/	*/	01120000
	00590000		123	*/	CONTROL BLOCKS =	01130000
	00600000		124	*/	HEMSDTF - WORK STATION DTF	01140000
07	00610000		125	*/	HERRPARI - SYSLOG PARI LIST - ERROR MESSAGES	01150000
	00620000		126	*/	HESLPARI - SYSLOG PARI LIST - DISPLAY JOBQ MESSAGE	01160000
	00630000		127	*/	HECPARI - COMMAND PROCESSOR PARI LIST	01170000
08	00640000		128	*/	*/	01180000
	00650000		129	*/	TABLES = HERSCTBL - ALTERBSC KEYWORD TABLE	01190000
	00660000		130	*/	HESDLTBL - ALTERSDL KEYWORD TABLE	01200000
09	00670000		131	*/	HEOV2TBL - OVERRID2 KEYWORD TABLE	01210000
	00680000		132	*/	HEOV3TBL - OVERRID3 KEYWORD TABLE	01220000
	00690000		133	*/	HESPTBL - SPECIFY KEYWORD TABLE	01230000
10	00700000		134	*/	HESSTBL - SWITCH- KEYWORD TABLE	01240000
	00710000		135	*/	HEPRJTBL - PRJE KEYWORD TABLE	01250000
	00720000		136	*/	HENNYCVT - NAME CONVERSION TABLE	01260000
11	00730000		137	*/	HENMXTBL - NUMBER PARAMETER MAXIMUM VALUE TABLE	01270000
	00740000		138	*/	HEMICTBL - MIC NUMBER CONVERSION TABLE	01280000
	00750000		139	*/	HEINDTBL - INDICATOR TABLE	01290000
12	00760000		140	*/	HEFRMTBL - FORMAT TABLE	01300000
	00770000		141	*/	*/	01310000
	00780000		142	*/	MACROS = \$OTFO, \$OTFW, \$EDJ, \$IOBD, \$LOG, \$LOGD, \$LMSG, \$MSEQ,	01320000
13	00790000		143	*/	\$MSTO, \$PEQ, \$CROCL, \$RTIX, \$DPMC, \$CBEQ, \$NICEQ, \$PSEQ, \$CAEQ,	01330000
	00800000		144	*/	\$VEQJ, \$TCB, \$TCBA, \$TUB, \$TUNEQ, \$XTEQ, \$ETBL, \$CLEQ, \$XFER, \$ERR,	01340000
	00810000		145	*/	\$RSF, \$INFO	01350000
14	00820000		146	*/	*/	01360000
	00830000		147	*/	CHANGE ACTIVITY - SHELP CHANGED - 09/04/81 RWJ	01370000
	00840000		148	*/	RELEASE 8	01373000
15	00850000		149	*/	FLAG= @483 - INCR/P10757 - ADD 11TH PARI FOR POST PROC	01376000
	00860000		150	*/	*/	01380000
	00870000		151	*/	MESSAGES-INITIATED = MIC 0351 - FORMAT TABLE IN SHELP MODULE	01390000
16	00880000		152	*/	IS INVALID	01400000
	00890000		153	*/	MIC 0354 - SHELP RECEIVED UNDEFINED RETURN	01410000
	00900000		154	*/	CODE FROM #CPIN	01420000
17	00910000		155	*/	MIC 1032 - JOBQ MESSAGE	01430000
	00920000		156	*/	MIC 2000 - SHELP UTILITY MUST BE RUN	01440000
	00930000		157	*/	WITH A REQUESTOR	01450000
18	00940000		158	*/	MIC 2001 - INVALID NAME SPECIFIED FOR HELP	01460000
	00950000		159	*/	MIC 2002 - REQUIRED PARAMETER MISSING--	01470000
	00960000		160	*/	ENTER REQUIRED PARAMETER	01480000
19	00970000		161	*/	MIC 2003 - SHELP UTILITY MUST ONLY BE RUN	01490000
	00980000		162	*/	FROM HELP PROCEDURE	01500000
20	00990000		163	*/	MIC 2004 - INVALID NUMBER SPECIFIED--	01510000

SHELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR

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10 C800 5BC8C50307 C804
C805 08 C805

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\$HELP SYSTEM/34 HELP UTILITY PAGE 4 009/11/81 12/05/81 12:00

\$HELP SYSTEM/34 HELP UTILITY

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		164	*/		ENTER VALID NUMBER	*/
		165	*/	MIC 2005 -	I/O ERROR OCCURRED--PRESS ERROR	*/
		166	*/		RESET TO CONTINUE	*/
03		167	*/	MIC 2006 -	CANNOT PLACE JOB ON INPUT JOBQ	*/
		168	*/		NDW--JOBQ FULL	*/
		169	*/	MIC 2007 -	CANNOT PLACE JOB ON INPUT JOBQ	*/
04		170	*/		--JOBQ NOT ACTIVE	*/
		171	*/	MIC 2008 -	CANNOT PLACE JOB ON INPUT JOBQ	*/
		172	*/		NDW--JOBQ DISK ERROR	*/
05		173	*/	MIC 2009 -	CANNOT RUN CMD USING HELP--	*/
		174	*/		MANDATORY MENU ACTIVE	*/
		175	*/			*/
06		176	*/	RETURN CODES(?CD?) =	1990 - MRT PROC BEING CALLED BY HELP	*/
		177	*/		1991 - \$HELP WENT EOS VIA CMD 7	*/
		178	*/			*/
07		179	*/	END OF SPECIFICATIONS	*****	*/
08	C800	181		\$HELP	START X'C800'	01660000
		183	*	IDMVC NAME-\$HELP,ATTR-C40100,RLD-D,CORE-38		01680000
		184		LEVEL 08	RELEASE LEVEL	
09		185		ATTR C40100	LIBRARY ATTRIBUTES	
		186		CORE 38	NUMBER OF SECTORS	
		187		RLD 0	RLD OPTION	
10		188		MRT 00	MRT OPTION	
	C800 5BC8C5D3D7	C804	189	DC CL5 '\$HELP'	MODULE NAME	
	C805 08	C805	190	DC XL1 '08'	RELEASE LEVEL	
11		192	***	END OF EXPANSION **		
12	C806 03	C806	194	DC XL1 '03'	MODIFICATION LEVEL	01700000

0196 *****
0197 *
0198 *
0199 *
0200 *****
0202
0001 203
0204
0002 205
0206
0003 207
0004 208
0005 209
0006 210

17	0020 1749 SCA3SPIN EQU X'20'	3 SPINDLE DISK	1R71	17
	0010 1750 SCA4SPIN EQU X'10'	4 SPINDLE DISK	1R71	
	0040 1751 SCA4KCFG EQU X'40'	DISK CONFIG FLAG	1R31	
18	1752 *	0 - SMALL CAPACITY DISK		18
	1753 *	1 - LARGE CAPACITY DISK		
	1754	*****		
19	1755 *	THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL	*	19
	1756 *	CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK.	*	
	1757	*****		
20	0081 1758 SCA4DISKS EQU X'81'	DISK STATUS BITS		20

4	09/11/81	12/05/81	12:00	01	HELP SYSTEM/34 HELP UTILITY	PAGE 5	09/11/81	12/05/81	12:00	01	HELP SYSTEM/34 HELP UTILITY
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					ERR LOC	OBJECT CODE
*/	01520000	02	196	*****						01720000	
RDR	*/	01530000	197	*						01730000	
*/	01540000		198	*	EXTRN'S AND ENTRY'S					01740000	
BQ	*/	01550000	199	*						01750000	
*/	01560000		200	*****						01760000	
BQ	*/	01570000									
*/	01580000	04	202		INCL SHET9					01780000	
BQ	*/	01590000	0001 203		EXTRN SHET9	MODULE SHET9				01790000	
*/	01600000		204		INCL SHETA					01793000	
*/	01610000	05	0002 205		EXTRN SHETA	MODULE SHETA				01796000	
*/	01620000		206		INCL SHECK					01800000	
*/	01630000	06	0003 207		EXTRN SHECK	MODULE SHECK				01810000	
P	*/	01633000	0004 208		EXTRN HECP1K(128)					01820000	
*/	01634000		0005 209		EXTRN HE#FH(128)					01830000	
*/	01636000		0006 210		EXTRN HE#BK(128)					01835000	
*****	01640000	07									
	01660000	08									
	01680000										
		09									
		10									
		11									
	01700000	12									
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		20									

17	0022 1857 SCAIVTOC EQU SCAVTON+2 2 SS OF DISKETTE VTOC WORK AREA	17	0058
	0023 1858 SCAIVTON EQU SCAIVTOC+1 1 SIZE OF DISKETTE VTOC WORK AREA		0060
	1859 *		0040
18	0025 1860 SCASIOSS EQU SCAIVTON+2 2 SS OF SIO TABLE DIRECTORY	18	0020
	0027 1861 SCALOGSS EQU SCASIOSS+2 2 SS OF ERROR TABLE DIRECTORY		0010
	1862 *		0008
19	0029 1863 SCADSSPS EQU SCALOGSS+2 2 SS OF MAIN STORAGE DUMP AREA	19	0004
	0028 1864 SCADSSCS EQU SCADSSPS+2 2 SS OF CONTROL STORAGE DUMP AREA		0002
	0020 1865 SCADSSIO EQU SCADSSCS+2 2 SS OF I/O PROCESSOR DUMP AREA		0001
	1866 *		1
20		20	

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11/81 12/05/81 12:00	01850000
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HELP SYSTEM/34 HELP UTILITY		PAGE 7 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
	295 *		\$DTFO WS-Y, FIELD-Y
	256 *		*** COMMON DTF OFFSETS ***
	257 *		*** FOR ALL DEVICES ***
	258 *		
	259 *		
0002	260 \$DF	EQU 2	REGISTER 2 ----> DTF
0000	261 \$DFDEV	EQU 0	DEVICE CODE
0002	262 \$DFDMA	EQU \$DFDEV+2	DATA MANAGEMENT ADDRESS
0003	263 \$DFUPS	EQU \$DFDMA+1	UPSI BYTE
0005	264 \$DFCHA	EQU \$DFUPS+2	DTF BACKWARD CHAIN
0007	265 \$DFCHB	EQU \$DFCHA+2	DTF FORWARD CHAIN
0009	266 \$DFAKB	EQU \$DFCHB+2	LOGICAL RECORD ADDRESS
000A	267 \$DFCMP	EQU \$DFAKB+1	COMPLETION CODE
000B	268 \$DFOPC	EQU \$DFCMP+1	OPERATION CODE
000C	269 \$DFAT1	EQU \$DFOPC+1	ATTRIBUTE BYTE ONE
000D	270 \$DFAT2	EQU \$DFAT1+1	ATTRIBUTE BYTE TWO
000E	271 \$DFAT3	EQU \$DFAT2+1	ATTRIBUTE BYTE THREE
000F	272 \$DFAT4	EQU \$DFAT3+1	ATTRIBUTE BYTE FOUR
0011	273 \$DFRCL	EQU \$DFAT4+2	RECORD LENGTH
0019	274 \$DFNAM	EQU \$DFRCL+8	FILE NAME
001A	275 \$DFLEN	EQU \$DFNAM+1	LENGTH OF COMMON AREA
	277 *		*** WORK STATION ***
	278 *		*** DTF OFFSETS ***
	279 *		
	280 *		
0000	281 \$WSDEV	EQU 0	DEVICE CODE
0002	282 \$WSDMA	EQU \$WSDEV+2	DATA MANAGEMENT ADDRESS
0003	283 \$WSUPS	EQU \$WSDMA+1	UPSI BYTE
0005	284 \$WSCHA	EQU \$WSUPS+2	DTF BACKWARD CHAIN
0007	285 \$WSCHB	EQU \$WSCHA+2	DTF FORWARD CHAIN
0009	286 \$WSAKB	EQU \$WSCHB+2	LOGICAL RECORD ADDRESS
000A	287 \$WSCMP	EQU \$WSAKB+1	COMPLETION CODE
000B	288 \$WSOPD	EQU \$WSCMP+1	OPERATION CODE
000C	289 \$WSAT1	EQU \$WSOPD+1	ATTRIBUTE BYTE ONE
	290 *		
0080	291 \$WSACLF	EQU X'80'	RESET PREVIOUS FORMAT INDEX
0040	292 \$WSALST	EQU X'40'	INDEX CONTAINS FORMAT NAME LIST
	293 *		
000D	294 \$WSAT2	EQU \$WSAT1+1	ATTRIBUTE BYTE TWO
000E	295 \$WSAT3	EQU \$WSAT2+1	ATTRIBUTE BYTE THREE
000F	296 \$WSAT4	EQU \$WSAT3+1	ATTRIBUTE BYTE FOUR
0080	297 \$WSHALT	EQU X'80'	. HALT ON PERMANENT ICS ERRORS
0011	298 \$WSRLN	EQU \$WSAT4+2	RECORD LENGTH
0019	299 \$WSFILE	EQU \$WSRLN+8	FILE NAME
	300 *		
	301 *		
001A	302 \$WSUPRM	EQU \$WSFILE+1	START OF USER PARAMETER LIST
001A	303 \$WSRTQ	EQU \$WSUPRM	STATUS INQUIRY RETURN CODE
001B	304 \$WSRTC	EQU \$WSUPRM+1	RETURN CODE
001C	305 \$WSOPM	EQU \$WSRTC+1	OPERATION CODE MODIFIER
001D	306 \$WSOPC	EQU \$WSOPM+1	WORK STATION OPERATION CODE

HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE
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02	001F 307
	001F 308
	0021 309
03	0021 310
	0023 311
	0023 312
04	0025 313
	0025 314
	0026 315
05	0027 316
	0027 317
	0028 318
06	0028 319
	0029 320
	002A 321
07	002B 322
	002C 323
	002E 324
08	0036 325
	0036 326
	0038 327
09	0038 328
	003A 329
	003B 330
10	003D 331
	003F 332
	0040 333
11	0041 334
	0043 335
	0044 336
12	
13	338
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14	341
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15	344
	0010 345
16	0012 346
	0090 347
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17	349
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	0000 354
19	0001 355
	0002 356
	0008 357
20	0011 358

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17	0058 1911 SCASYS1 EQU SCADSLOG+1	1	SYSTEM CONFIGURATION BYTE 5	0070
	0080 1912 SCAMFERR EQU X'80'	.	X'80' - ERROR IN HISTORY FILE	0080
	0040 1913 SCAMPLC EQU X'40'	.	X'40' - IPL-PROCESSING COMPLETE	0020
18	0020 1914 SCADOVER EQU X'20'	.	X'20' - IPL-OVERRIDE RECEIVED	0010
	0010 1915 SCAMPL EQU X'10'	.	X'10' - IPL-SIGN ON COMPLETE	0008
	0008 1916 SCAMPBOLD EQU X'08'	.	X'08' - IPL-FILE REBUILD	0004
19	0004 1917 SCAMEJECT EQU X'04'	.	X'04' - SYSLOG EJECT AT EDJ	0002
	0002 1918 SCAMCLOCK EQU X'02'	.	X'02' - CONFIG RECORD LOCK (R31)	0001
	0001 1919 SCAMPREP EQU X'01'	.	X'01' - PREPARE REQUEST ISSUED	0071
20	1920 *			0080

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02	001F	307	%SOUTL	EQU	%SOPC+2
	001F	308	%SEFFL	EQU	%SOUTL
03	0021	309	%SRECA	EQU	%SEFFL+2
	0021	310	%SINKA	EQU	%SRECA
	0023	311	%STUB	EQU	%SINKA+2
04	0023	312	%SF1A	EQU	%STUB
	0025	313	%S960	EQU	%STUB+2
	0025	314	%SPLA	EQU	%S960
05	0026	315	%SAID	EQU	%S960+1
	0027	316	%STOPC	EQU	%SAID+1
	0027	317	%SFLAG1	EQU	%STOPC
06	0028	318	%SFFHT	EQU	%STOPC+1
	0028	319	%SROLF	EQU	%SFFHT
	0029	320	%SPLNE	EQU	%SROLF+1
07	002A	321	%SSLN	EQU	%SPLNE+1
	002B	322	%SELN	EQU	%SSLN+1
	002C	323	%SVSLN	EQU	%SELN+1
08	002E	324	%SIND0	EQU	%SVSLN+2
	0036	325	%SFMR	EQU	%SIND0+8
	0036	326	%SFMTN	EQU	%SFMR
09	0038	327	%SINL	EQU	%SFMTN+2
	0038	328	%SPID	EQU	%SINL
	003A	329	%SNAME	EQU	%SINL+2
10	003B	330	%SKPSK	EQU	%SNAME+1
	003D	331	%SEXTA	EQU	%SKPSK+2
	003F	332	%STABL	EQU	%SEXTA+2
11	0040	333	%STENL	EQU	%STABL+1
	0041	334	%STNUM	EQU	%STENL+1
	0043	335	%SRSD	EQU	%STNUM+2
12	0044	336	%SLGTH	EQU	%SRSD+1
13	338 *				*** WORK STATION ***
	339 *				*** DTF EQUATES ***
14	340 *				
	341 *				
	342 *				*** %SDEV EQUATES ***
15	343 *				
	344 *				
16	0010	345	%SCNS	EQU	X'10'
	0012	346	%SKBD	EQU	X'12'
	0090	347	%SCRT	EQU	X'90'
	00C0	348	%STN	EQU	X'CO'
17	349 *				
	350 *				
	351 *				*** %SRTC EQUATES ***
18	352 *				
	353 *				
19	0000	354	%SROK	EQU	X'00'
	0001	355	%SRACC	EQU	X'01'
	0002	356	%SRSTP	EQU	X'02'
	0008	357	%SRQD	EQU	X'08'
20	0011	358	%SRACR	EQU	X'11'

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02	0014	35			
	0018	36			
03	0024	36			
	0028	36			
	0032	36			
04	0034	36			
	0038	36			
	0040	36			
05	0044	36			
	0045	36			
	0046	36			
06	0048	37			
	0050	37			
	0051	37			
07	0052	37			
	0080	37			
	375				
08	378				
	377				
	378				
09	379				
	0010	380			
	0020	381			
10	382				
	383				
	384				
11	385				
	386				
	0080	387			
12	0040	388			
	0040	389			
	0020	390			
13	0020	391			
	0010	392			
	0008	393			
14	0008	394			
	0006	395			
	0004	396			
15	0004	397			
	0002	398			
	0001	399			
16	0000	400			
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18	0001	406			
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	0003	408			
19	0004	409			
	0005	410			
	0006	411			
20	0007	412			

16	0070 1965 SCADCP51 EQU SCADCP51+1	SWITCH BYTE ONE
17	0080 1964 SCAMCPL EQU X'80'	STOP COMPLETE MESSAGE SENT
	0040 1965 SCAMALL EQU X'40'	NO JOBS CAN BE INITIATED
	0020 1966 SCAM5JE EQU X'20'	SPOOL WRITER/JOBQ EQJ REQUIRED
	0010 1967 SCAM5SE EQU X'10'	WSDM SEND EQJ COMPLETION CODE
18	0008 1968 SCAM5ST EQU X'08'	SPOOL WRITER HAS BEEN STARTED
	0004 1969 SCAM5QS EQU X'04'	JOBQ HAS BEEN STARTED
	0002 1970 SCAM5EC EQU X'02'	SECURITY IS ACTIVE
19	0001 1971 SCAM5ERP EQU X'01'	CALL I/O ERP TRANSIENT
	1972 *	
	0071 1973 SCADCP52 EQU SCADCP51+1	SWITCH BYTE TWO
20	0080 1974 SCAM5KEYS EQU X'80'	KEY SORT ALL FILES AT SHUT DOWN

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					\$HELP SYSTEM/34 HELP UTILITY
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02	0014	359	\$WSRKB0	EQU X'14'	INPUT REJECTED-KEYBOARD DISABLED
	0018	360	\$WSRAF0	EQU X'18'	ACQUIRE FAILED TEMPORARILY
03	0024	361	\$WSRNV0	EQU X'24'	TERMINAL RELEASED BY OPERATOR
	0028	362	\$WSRREL	EQU X'28'	RELEASE OF SRT REQUESTOR-REJECT
	0032	363	\$WSRNF5	EQU X'32'	ACQUIRE FAILED-UNAUTHORIZED USER
04	0034	364	\$WSRIRJ	EQU X'34'	INPUT REJECTED-BUFFER TOO SMALL
	0038	365	\$WSRAF0	EQU X'38'	ACQUIRE FAILED - NOT WAITABLE
	0040	366	\$WSRDFL	EQU X'40'	REQUESTED TERMINAL OFF LINE
05	0044	367	\$WSRSPP	EQU X'44'	STOP INVITE INPUT FAILED
	0045	368	\$WSPOGE	EQU X'45'	INVALID GAIJI DURING PRINT OP
	0046	369	\$WSRPUN	EQU X'46'	PRINT REQUEST FROM UNLOCKED KBD
06	0048	370	\$WSRPNL	EQU X'48'	PRINTER ALLOCATED ON PRINT OP
	0050	371	\$WSRGRF	EQU X'50'	RAM FULL WITH IGC CODE POINTS
	0051	372	\$WSRGI	EQU X'51'	INVALID IGC CODE POINT
07	0052	373	\$WSRGI	EQU X'52'	UNDEFINED IGC CODE
	0080	374	\$WSRPE	EQU X'80'	PERMANENT I/O ERROR OCCURRED
			375 *		
			376 *		
08			377 *	*** \$WSRSIQ EQUATES ***	
			378 *		
			379 *		
09	0010	380	\$WSOINV	EQU X'10'	INVITES OUTSTANDING
	0020	381	\$WSOCINV	EQU X'20'	COMPLETED INVITES OUTSTANDING
			382 *		
			383 *		
10			384 *	*** \$WSOPM EQUATES ***	
			385 *		
			386 *		
11	0080	387	\$WSYSYS	EQU X'80'	SYSTEM COMPONENT REQUEST
	0040	388	\$WSOVR	EQU X'40'	OVERRIDE REQUEST
12	0040	389	\$WSFMD	EQU X'40'	EVOKE HAS FM DATA
	0020	390	\$WSRDL	EQU X'20'	ROLL REQUEST
	0020	391	\$WSPTH	EQU X'20'	PASS THRU MODIFIER
13	0010	392	\$WSUNF	EQU X'10'	UNFORMATTED REQUEST
	0008	393	\$WSRPT	EQU X'08'	PRINT REQUEST
	0008	394	\$WSRDSN	EQU X'08'	READ SCREEN MODIFIER
14	0006	395	\$WSWTR	EQU X'06'	WRITE ERROR REQUEST
	0004	396	\$WSAVE	EQU X'04'	SAVE REQUEST
	0004	397	\$WSRMD	EQU X'04'	READ MODIFIED IMMEDIATE
15	0002	398	\$WSRSTR	EQU X'02'	RESTORE REQUEST
	0001	399	\$WSRPRF	EQU X'01'	PUT FOR READ UNDER FORMAT (PRUF)
16	0000	400	\$WSZERO	EQU X'00'	NULL OPERATION MODIFIER
			401 *		
			402 *		
17			403 *	*** \$WSOPC EQUATES ***	
			404 *		
			405 *		
18	0001	406	\$WSGET	EQU X'01'	GET DATA OPERATION CODE
	0002	407	\$WSPUT	EQU X'02'	PUT DATA OPERATION CODE
	0003	408	\$WSPTG	EQU X'03'	\$WSGET+\$WSPUT PUT THEN GET REQUEST
19	0004	409	\$WSNOW	EQU X'04'	NO WAIT OPERATION
	0005	410	\$WSINV	EQU X'05'	\$WSGET+\$WSNOW INVITE INPUT REQUEST
	0006	411	\$WSPNW	EQU X'06'	\$WSPUT+\$WSNOW PUT-NO-WAIT
20	0007	412	\$WSPTI	EQU X'07'	\$WSPUT+\$WSINV PUT THEN INVITE INPUT

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\$HELP SYSTEM/34 HELP UTILITY

16	0084 2017 SCACSATB EQU SCACSPUB+2	2	CONTROL STORE ALLOCATE TABLE		
17	0085 2019 SCADKSLT EQU SCACSATB+1	1	12 SLOT NUMBER (HEX)	IR31	
17	008A 2020 SCADSL0T EQU SCADKSLT+5	5	12 SLOT NUMBER DECIMAL	IR31	
18	008B 2022 SCADMONT EQU SCADSL0T+1	1	MESSAGE Q COUNT		
18	2023 *				
19	008C 2024 SCADCSP1 EQU SCADMONT+1	1	CSP -----> MSP INTERFACE BYTE		
19	008A 2025 SCAM1255 EQU X'80'	.	MICR ATTACHMENT ON SYSTEM	IR21	
19	0040 2026 SCAMARRR EQU X'40'	.	12 DISKETTE ATTACHMENT	IR31	
19	2027 * EQU X'20'	.	RESERVED FOR ADDR COMPARE DUMP		
20	0010 2028 SCAMACDV EQU X'10'	.	ERROR ON DUMP - PARTIAL DUMP TAKEN		

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				\$HELP SYSTEM/34 HELP UTILITY PAGE 10 W09/11/81 12/05/81 12:00
02	0008	413	\$USACI	EQU X'08' ACCEPT INPUT OPERATION CODE
02	0009	414	\$USACQ	EQU X'09' ACQUIRE TERMINAL REQUEST
03	0099	415	\$USACQ	EQU X'99' SPECIAL ACQUIRE REQUEST
03	000A	416	\$USREL	EQU X'0A' RELEASE TERMINAL REQUEST
03	000C	417	\$USBTA	EQU X'0C' GET TERMINAL ATTRIBUTES
04	0000	418	\$USEGTA	EQU X'00' EXTENDED GET TERMINAL ATTRIBUTES
04	000E	419	\$USRDS	EQU X'0E' SPECIAL READ OP-CODE
04	0010	420	\$USSTI	EQU X'10' STOP INVITE INPUT REQUEST
05	0012	421	\$USSTP	EQU \$USSTI+\$USPUT STOP INVITE THEN PUT
05	0013	422	\$USSPG	EQU \$USSTI+\$USPUT+\$USGET STOP INVITE, PUT THEN GET
05	0016	423	\$USSPN	EQU \$USSTI+\$USPNW STOP INVITE THEN PUT-NO-WAIT
06	0017	424	\$USSPI	EQU \$USSTI+\$USPUT+\$USINW STOP INVITE, PUT, THEN INVITE
06	0020	425	\$USRES	EQU X'20' RESET KEYBOARD REQUEST
06	0021	426	\$USRTG	EQU \$USRES+\$USGET RESET THEN GET DATA
07	0025	427	\$USRTI	EQU \$USRES+\$USINW RESET THEN INVITE INPUT
07	0040	428	\$USERS	EQU X'40' ERASE INPUT FIELDS
07	0041	429	\$USETG	EQU \$USERS+\$USGET ERASE THEN GET DATA
08	0045	430	\$USETT	EQU \$USERS+\$USINW ERASE THEN INVITE INPUT
08	0080	431	\$USCLR	EQU X'80' CLEAR SCREEN REQUEST
08	0080	432	\$USEVK	EQU X'80' EVOKE OPERATION
09	0088	433	\$USEVE	EQU X'88' EVOKE END OF TRANSACTION
09	0085	434	\$USEVI	EQU X'85' EVOKE-THAN-INVITE
09	0081	435	\$USEVG	EQU X'81' EVOKE-THAN-GET
10	0042	436	\$USPEC	EQU X'42' PUT END OF CHAIN
10	0022	437	\$USPEF	EQU X'22' PUT END OF FILE
10	0012	438	\$USPFM	EQU X'12' PUT FFM
11	0017	439	\$USPFM	EQU X'17' PUT FFM-THEN-INVITE
11	0013	440	\$USPFNG	EQU X'13' PUT FFM-THEN-GET
11	001A	441	\$USPEX	EQU X'1A' PUT END OF TRANSACTION
12	0045	442	\$USRCOI	EQU X'45' REQUEST CO-THEN-INVITE
12	0041	443	\$USRCOG	EQU X'41' REQUEST CO-THEN-GET
12	0032	444	\$USFAIL	EQU X'32' PUT FAIL RESPONSE
13	0020	445	\$USNRP	EQU X'20' NEGATIVE RESPONSE
13	0025	446	\$USNRP	EQU X'25' NEGATIVE RESPONSE-THEN-INVITE
13	0021	447	\$USNRP	EQU X'21' NEGATIVE RESPONSE-THEN-GET
14	0010	448	\$USCAN	EQU X'10' CANCEL
14	0015	449	\$USCANI	EQU X'15' CANCEL-THEN-INVITE
14	0011	450	\$USCANG	EQU X'11' CANCEL-THEN-GET
15	0008	451	\$USSTH	EQU X'08' SET TIMER
15	00E8	452	\$USEOS	EQU X'E8' END SESSION
16	453 *			
16	454 *			
16	455 *		*** \$WSR0-LF EQUATES ***	
16	456 *			
17	457 *			
17	0080	458	\$WSRUP	EQU X'80' ROLL UP REQUEST
17	0040	459	\$WSRDW	EQU X'40' ROLL DOWN REQUEST
18	0020	460	\$WSRCL	EQU X'20' CLEAR VACATED LINE(S)
18	461 *			
18	462 *			
19	463 *			
19	464 *		*** \$WSFLAG1 EQUATES ***	
19	465 *			
20	466 *			

01	\$HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE ADDR STMT
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16	0010 2071 SCAPK1M4 EQU X'10'	. COMMUNICATIONS ON LINE 4	IR6I	16
	2072 *			
17	0008 2073 SCAPK1U1 EQU X'08'	. AUTO CALL ON LINE 1	IR6I	17
	0004 2074 SCAPK1U2 EQU X'04'	. AUTO CALL ON LINE 2	IR6I	
	0002 2075 SCAPK1U3 EQU X'02'	. AUTO CALL ON LINE 3	IR6I	
18	0001 2076 SCAPK1U4 EQU X'01'	. AUTO CALL ON LINE 4	IR6I	18
	2077 *			
	0088 2078 SCAPK211 EQU X'88'	. X.21 ON LINE 1	IR8I	
	0044 2079 SCAPK212 EQU X'44'	. X.21 ON LINE 2	IR8I	
19	0022 2080 SCAPK213 EQU X'22'	. X.21 ON LINE 3	IR8I	19
	0011 2081 SCAPK214 EQU X'11'	. X.21 ON LINE 4	IR8I	
20	2082 *			20

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
02		0002 467	%\$PLAS	EQU	X'02'		
		468 *			PARAMETER LIST ADDR. SPEC.		
		469 *		***	%\$WKMSK EQUATES ***		
03		470 *					
		471 *					
04		0080 472	%\$SPRINT	EQU	X'80'		0000
		0040 473	%\$SROLL	EQU	X'40'		0001
		0020 474	%\$SCLEAR	EQU	X'20'		0002
05		0010 475	%\$SDATA	EQU	X'10'		0003
		0008 476	%\$SICG	EQU	X'08'		0004
		0004 477	%\$SICBK	EQU	X'04'		0005
06		0002 478	%\$SHELP	EQU	X'02'		0007
		0001 479	%\$SDSABL	EQU	X'01'		0008
		480 *			END OF EXPANSION		0009
		481 ***			END OF EXPANSION **		000A
07							000B
							000C
08							000D
							000E
							000F
09							0011
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10							0014
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11							0018
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13							001D
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16	2125 *								
	2126 *								
17	00A6 2127 SCADRK8 EQU	SCADRK8+2	2	ADDRESS COMPARE WORKAREA ADDR	IR31				
	2128 *								
	00A7 2129 SCADCF8 EQU	SCADRK8+1	1	SSP CONFIGURATION	IR31				
	2130 *	EQU	X'80'						
18	0040 2131 SCAPRJP EQU	X'40'		USE WORK STATION PRINTER	IR61				
	2132 *	EQU	X'20'						
	2133 *	EQU	X'10'						
19	2134 *	EQU	X'08'					IR81	
	2135 *	EQU	X'04'						
20	2136 *	EQU	X'02'					IR81	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02		483 *		\$IOBD V-EQU		01880000
		484		*****		
03		485 *		FD IOB DISPLACEMENT EQUATES		*
		486		*****		
		487 *				
04		0000 488	\$IOBDECH EQU	0	EVENT CONTROL MASK	
		0001 489	\$IOBDCMP EQU	1	COMPLETION CODE	
		0002 490	\$IOBDFLG EQU	2	FLAG BYTE	
05		0003 491	\$IOBDCPD EQU	3	COMMAND CODE	
		0004 492	\$IOBDCPD EQU	4	COMMAND MODIFIER	
		0005 493	\$IOBDUAD EQU	5	UNIT ADDRESS	
06		0007 494	\$IOBDUAD EQU	7	DATA ADDRESS	
		0008 495	\$IOBDNB EQU	8	LENGTH COUNT(#SECTORS-1)	
		0009 496	\$IOBDFL2 EQU	9	FLAG BYTE TWO	
07		000A 497	\$IOBDSB0 EQU	10	SENSE INFORMATION BYTE 0	
		000B 498	\$IOBDSB1 EQU	11	SENSE INFORMATION BYTE 1	
		000C 499	\$IOBDSB2 EQU	12	SENSE INFORMATION BYTE 2	
08		000D 500	\$IOBDSB3 EQU	13	SENSE INFORMATION BYTE 3	
		000E 501	\$IOBDSB4 EQU	14	SENSE INFORMATION BYTE 4	
		000F 502	\$IOBDSB5 EQU	15	SENSE INFORMATION BYTE 5	
09		0011 503	\$IOBDTCB EQU	17	TCB POINTER	
		0012 504	\$IOBDERR EQU	18	ERROR RETRY COUNT	
		0013 505	\$IOBDRSV EQU	19	RESERVED	
10		0014 506	\$IOBDRS2 EQU	20	RESERVED	
		0015 507	\$IOBDRS3 EQU	21	RESERVED	
		0016 508	\$IOBDCB EQU	22	RELATIVE SECTOR ADDRESS(LFT BYT)	
		0018 509	\$IOBDRS5 EQU	24	RELATIVE SECTOR ADDRESS(RT BYTE)	
11		0018 510	\$IOBDLSP EQU	27	LAST SECTOR PROCESSED	
		001C 511	\$IOBDLEN EQU	\$IOBDLSP+1	BASIC IOB LENGTH	
		512 *				
12		513 *		EXTENDED IOB FOR USE IN DTF'S		
		514 *				
13		001D 515	\$IOBDCH EQU	29	DM CHAIN ADDR	
		001F 516	\$IOBDTF EQU	31	DTF ADDRESS	
		517 *				
14		518		*****		
		519		*****		
		520 *				
15		521 *		FD IOB VALUE EQUATES		*
		522 *				*
		523		*****		
		524		*****		
16						
17		527		*****		
		528 *		EVENT CONTROL MASK EQUATES		*
		529		*****		
18		0040 530	\$FDXLATE EQU	X'40'	DATA BUFFER NOT XLATED	
		531		*****		
		532 *		COMPLETION CODE EQUATES (BYTE VALUES)		*
		533		*****		
19		534 *				
		535 *		NOTE: THE COMPLETION CODE IS DESIGNED TO BE CHECKED ON A BYTE		
20		536 *		(VERSUS BIT) BASIS. E.G., A PERMANENT ERROR CODITION GIVES		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02						
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04						0040
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						0008
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15						0080
						00A1
						00A2
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16						
17						
18						0000
19						
						0000
20						0080

16	0000 2180 SCADSPC4 EQU SCADSPC+1 1 COMMAND PROCESSOR SWITCH 4 (R8)	16
17	0080 2178 SCADSPC EQU SCADSPC+8 8 RESERVED	17
18	2179 * 2182 * EQU X'80' . RESERVED 2183 * EQU X'20' . RESERVED 2184 * EQU X'10' . RESERVED 2185 * EQU X'08' . RESERVED 2186 * EQU X'04' . RESERVED 2187 * EQU X'02' . RESERVED 2188 * EQU X'01' . RESERVED	18
19	2189 *	19
20	00C2 2190 SCADSPC4+2 2 EXT. ADDRESS MAPPING (EXAM) (R6)	20

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				\$HELP SYSTEM/34 HELP UTILITY PAGE 13 W09/11/81 12/05/81 12:00
02	01880000	537 *		A COMPLETION CODE BYTE OF X'41' - ALL OTHER BITS ARE OFF.
03		538 *		THUS, THESE EQUATES ARE TO BE USED IN BYTE COMPARES OF
04		539 *		COMPLETION CODE (AS OPPOSED TO USED AS BIT MASK IN TON, FOR
05		540 *		EXAMPLE).
06		541 *		
07		0040 542 \$FDNORM EQU X'40'		NORMAL COMPLETION
08		0040 543 \$FDSCHT EQU X'40'		SCAN HIT (SAME AS NORMAL)
09		0041 544 \$FDPERR EQU X'41'		PERMANENT I/O ERROR
10		0042 545 \$FDSCHN EQU X'42'		SCAN NOT HIT
11		0044 546 \$FDSCEQ EQU X'44'		SCAN EQUAL HIT
12		548 *****		
13		549 *		IOB FLAG EQUATES (INDIVIDUAL BIT MASKS) *
14		550 *****		
15		551 *		
16		552 *		NOTE: THESE EQUATES ARE FOR INDIVIDUAL BIT INDICATORS IN FLAG
17		553 *		BYTE. THEY ARE TO BE USED IN A BIT MASK RATHER THAN IN A
18		554 *		BYTE COMPARE (AS FOR COMPLETION CODE EQUATES).
19		555 *		
20		556 *		NOTE: THE 'RESERVED' BITS IN THE FLAG BYTE DEFINED BELOW MUST BE
21		557 *		'OFF' FOR ALL USES OTHER THAN INTERNAL CONTROL STORAGE OR FD
22		558 *		ERP USES.
23		559 *		
24		0080 560 \$FDNER EQU X'80'		IF ON, DO NOT DO ERROR RECOVERY
25		0040 561 \$FDNRET EQU X'40'		IF ON, DO NOT RETURN ON PERN ERR
26		0020 562 \$FDMSG EQU X'20'		IF ON, IOS DOES NOT ISSUE MSG
27		0010 563 \$FDNLOG EQU X'10'		IF ON, DO NOT LOG ERRORS
28		0008 564 \$FDENQ EQU X'08'		RESERVED FOR NUCLEUS FUNCTIONS
29		0004 565 \$FDSRV2 EQU X'04'		RESERVED FOR NUCLEUS FUNCTIONS
30		0002 566 \$FDNVR EQU X'02'		IF ON, DO NOT VERIFY AFTER WRITE
31		0001 567 \$FDSRV3 EQU X'01'		RESERVED FOR NUCLEUS FUNCTIONS
32		568 *****		
33		570 *****		
34		571 *****		
35		572 *		COMMAND CODE EQUATES *
36		573 *****		
37		00A0 574 \$FDCTRL EQU X'A0'		CONTROL COMMAND BYTE
38		00A1 575 \$FDREAD EQU X'A1'		READ COMMAND BYTE
39		00A2 576 \$FDWRITE EQU X'A2'		WRITE COMMAND BYTE
40		00A3 577 \$FDSCAN EQU X'A3'		SCAN COMMAND BYTE
41		579 *****		
42		580 *		COMMAND MODIFIER EQUATES *
43		581 *****		
44		582 *		
45		583 *		COMMAND MODIFIER FOR CONTROL OPERATIONS
46		584 *		
47		0000 585 \$FDSEEK EQU X'00'		SEEK COMMAND MODIFIER
48		586 *		
49		587 *		COMMAND MODIFIER FOR READ AND WRITE
50		588 *		
51		0000 589 \$FDATA EQU X'00'		DATA COMMAND MODIFIER
52		0080 590 \$FDRAP EQU X'80'		REPEAT SAME DATA N TIMES

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16	0001 2232 SCAMEDM EQU X'01'	EXTENDED DISK DATA MAN.	R61
	2233 *		
	00C6 2234 SCADICS@ EQU SCADCFG+2	2 ICS COMMUNICATION AREA ADDR	R41
	2235 *		
17	00CE 2236 SCADRFR EQU SCADICS+8	8 RESERVED	
	2237 *		
	00D6 2238 SCADUCFG EQU SCADRFR+8	8 UDT COMM CONFIGURATION	R31
18	00D5 2239 SCADUDT1 EQU SCADUCFG-1	. LINE 1 CONFIGURATION (BYTE 0)	R31
	00D3 2240 SCADUDT2 EQU SCADUCFG-3	. LINE 2 CONFIGURATION (BYTE 0)	R31
	00D1 2241 SCADUDT3 EQU SCADUCFG-5	. LINE 3 CONFIGURATION (BYTE 0)	R61
19	00CF 2242 SCADUDT4 EQU SCADUCFG-7	. LINE 4 CONFIGURATION (BYTE 0)	R61
	2243 *	NOTE ----->	SEE COMPRESSED UNIT DEFINITION TABLE (UDT)
20	2244 *	DESCRIPTION FOR DEFINITION OF BITS	

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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
		591 *	
		592 *	COMMAND MODIFIER ONLY FOR READ
		593 *	
0003	594	\$FDOVER EQU X'03'	VERIFY COMMAND MODIFIER
		595 *	
		596 *	COMMAND MODIFIER ONLY FOR SCAN
		597 *	
0000	598	\$FDEQUAL EQU X'00'	SCAN EQUAL COMMAND MOD
0001	599	\$FDLOW EQU X'01'	SCAN LOW OR EQUAL COMMAND MOD
0002	600	\$FDHIGH EQU X'02'	SCAN HIGH OR EQUAL COMMAND MOD
	601	*****	
	603	*****	
	604 *	FLAG BYTE TWO (\$IOBDFL2) EQUATES *	
	605	*****	
	606 *	*****	
	607 *	THIS ENTIRE BYTE IS RESERVED FOR SYSTEM FUNCTIONS. ALL BITS MUST *	
	608 *	BE SET TO ZERO. *	
	609 *	*****	
	610 *	*****	
	612	*****	
	613 *	JOB DEFINED CONSTANTS *	
	614	*****	
	615	*** END OF EXPANSTION **	

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01		\$HELP SYSTEM/34 HELP UTILITY		PAGE 15 09/11/81 12:05/81 12:00	
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02		617 *		\$LOGD	01900000
		618 *		SYSLOG PARAMETER LIST FUNCTION BYTE FOR TYPES 1,1R,2,2R,3 AND 4	
03	0000	620	\$LGFNC1	EQU 0	SYSLOG FUNCTION BYTE (BITS 0-3)
	0001	621	\$LGLFNC1	EQU 1	LENGTH
04	0080	622	\$LGMMSGH	EQU X'80'	.ON - OUTPUT FROM MSG MEMBER
		623 *			.OFF- OUTPUT FROM USER PROGRAM
04	0040	624	\$LGMWRT	EQU X'40'	.ON - WORKSTATION ROUTING
		625 *			.OFF- SYSTEM CONSOLE ROUTING
05	0020	626	\$LGMNDR	EQU X'20'	.ON - DATA RESPONSE REQUESTED
		627 *			.OFF- DATA RESPONSE NOT REQUEST
06	0010	628	\$LGMHALT	EQU X'10'	.ON - OPTION RESPONSE REQUESTED
		629 *			.OFF- NO OPTION RESPONSE
06	0008	630	\$LGMFRMT	EQU X'08'	.ON - FORMAT LINE REQUESTED
		631 *			.OFF- FORMAT LINE NOT REQUESTED
07	0004	632	\$LGM8BYT	EQU X'04'	.ON - ADD 8 BYTES TO MESSAGE
		633 *			.OFF- DON'T ADD 8 BYTES TO MSG
08	0002	634	\$LGMHIST	EQU X'02'	.ON - LOG TO HISTORY FILE
		635 *			.OFF- DON'T LOG TO HISTORY FILE
08	0001	636	\$LGMCRT	EQU X'01'	.ON - DISPLAY MESSAGE ON CRT
		637 *			.OFF- DON'T DISPLAY MSG ON CRT
09		639 *		SYSLOG SECOND FUNCTION BYTE FOR TYPES 1,1R,2,2R,3 AND 4	
10	0001	641	\$LGFNC3	EQU \$LGFNC1+1	SECOND FUNCTION BYTE
	0001	642	\$LGLFNC3	EQU 1	LENGTH
11	0080	643	\$LGMTUB	EQU X'80'	.ON - TUB ADDRESS SPECIFIED
		644 *			.OFF- NO TUB ADDRESS SPECIFIED
11	0040	645	\$LGMVARI	EQU X'40'	.ON - VARIABLE INSERT DATA GIVEN
		646 *			.OFF- NO VARIABLE DATA GIVEN
12	0020	647	\$LGMNWT	EQU X'20'	.ON - NOWAIT ON CP AT CONSOLE FOR MSGS
		648 *			NOT REQUIRING A DATA RESPONSE
		649 *			.OFF- SYSLOG WILL WAIT
13	0010	650	\$LGMSSA	EQU X'10'	.ON - # OF SECTOR FOR PUSH GIVEN
		651 *			.OFF- SECTOR ADDRESS NOT GIVEN
14	0008	652	\$LGMSCRI	EQU X'08'	.ON - SPECIAL CONSOLE ROUTING INDICATOR
	0004	653	\$LGMPL3	EQU X'04'	.ON - PULL USER BACK IN IF 3 OPTION TAKEN
	0002	654	\$LGMSUBC	EQU X'02'	.ON - SUBCONSOLE ROUTING (IF \$LGMWRT OFF)
		655 *		EQU X'01'	.RESERVED
15		657 *		EQUATE FOR TYPES 1,1R AND 4	
16	0002	659	\$LGMMEM	EQU \$LGFNC3+1	MESSAGE MEMBER
	0001	660	\$LGLMEM	EQU 1	LENGTH
17	0020	661	\$LGMSSP	EQU X'20'	.SSP MESSAGE MEMBER
	0080	662	\$LGMHED	EQU X'80'	.HEADINGS MESSAGE MEMBER
	0010	663	\$LGMPRG	EQU X'10'	.PROGRAM MESSAGE MEMBER
	0008	664	\$LGMUSE	EQU X'08'	.USER MESSAGE MEMBER
18		666 *		EQUATE FOR TYPES 1,3 AND 4	
19	0003	668	\$LGDPRID	EQU \$LGMMEM+1	PROGRAM ID
	0001	669	\$LGLPRID	EQU 1	LENGTH
20	0001	670	\$LGMESP	EQU X'01'	.SSP

01		\$HELP SYSTEM/34 HELP UTILITY	
02	ERR LOC	OBJECT CODE	ADDR
02		0002	
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16	0025 2320 SVCTEST EQU X'23'	TEST AND SET	16
	0024 2321 SVCPRIQ EQU X'24'	TCB PRIORITY QUEUE	
	0025 2322 SVCRDYCK EQU X'25'	ASYNCHRONOUS TASK READY CHECK.	
	0026 2323 SVCPREP EQU X'26'	PREPARE PRINTER OUTPUT	
17	0027 2324 SVCDSPCH EQU X'27'	DISPATCHER SVC	17
	0028 2325 SVCRPT EQU X'28'	REMOTE PRINTER SET UP.	
	0029 2326 SVCSQ EQU X'29'	SECTOR ENQUEUE/DEQUEUE	
18	002A 2327 SVCMOVEI EQU X'2A'	MOVE DATA BY ID	18
	002B 2328 SVCPOSTI EQU X'2B'	POST TASK BY ID	
	002C 2329 SVCMWAIT EQU X'2C'	QUIESCE COUNTER WAIT	
19	0020 2330 SVCKAF EQU X'20'	TRANSLATED ASSIGN/FREE	19
	002E 2331 SVCTOD EQU X'2E'	RETURN TIME-OF-DAY IN TIMER UNITS	
	2332 *		
20	2333 * *-INDICATES NOT USEABLE FROM MAIN STORE		20

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	0002 671 \$LGRPG EQU X'02'		.RPG
	0003 672 \$LGAUTO EQU X'03'		.AUTO
03	0004 673 \$LGMSEU EQU X'04'		.SOURCE ENTRY UTILITY
	0005 674 \$LGMSORT EQU X'05'		.SOURCE ENTRY UTILITY
	0006 675 \$LGMDFU EQU X'06'		.DATA FILE UTILITY
04	0007 676 \$LGMJSU EQU X'07'		.WORK STATION UTILITY
	0008 677 \$LGMSS EQU X'08'		.ASSEMBLER
	0009 678 \$LGMFOR EQU X'09'		.FORTRAN
05	000A 679 \$LGMUSER EQU X'0A'		.USER DEFINED MESSAGE ACCESS
	000B 680 \$LGMISA EQU X'0B'		.SCREEN DESIGN AID
	000C 681 \$LGMICBL EQU X'0C'		.COBOL
06	000D 682 \$LGMIBASC EQU X'0D'		.BASIC
	000E 683 \$LGMEMU EQU X'0E'		.3270 EMULATION
	000F 684 \$LGMICSU EQU X'0F'		.CHARACTER GENERATING UTILITY
07	0010 685 \$LGMISRT EQU X'10'		.TWO BYTE LANGUAGE SORT
	0011 686 \$LGMESU EQU X'11'		.SNA 3270 EMULATION
	0012 687 \$LGMNRD EQU X'12'		.NETWORK RESOURCE DIRECTORY UTILITY
08	0005 688 \$LGDCCI1 EQU \$LGDCCI+2		COMPONENT ID
	0002 689 \$LGLCCI1 EQU 2		LENGTH
	0007 690 \$LGDCCI1 EQU \$LGDCCI+2		SUBCOMPONENT ID
09	0002 691 \$LGLSUBI EQU 2		LENGTH
	0009 692 \$LGDCCI1 EQU \$LGDCCI+2		MESSAGE IDENTIFICATION CODE
	0002 693 \$LGLMIC EQU 2		LENGTH
10	000A 694 \$LGDCCI1 EQU \$LGDCCI+1		OPTION RESPONSE BYTE
	0001 695 \$LGLACT EQU 1		LENGTH
	696 *		OPTION RESPONSE TAKEN BY USER
11	0080 697 \$LGMIGNR EQU X'80'		.ON - 0 OPTION - IGNORE
	0040 698 \$LGMIGNR EQU X'40'		.ON - 1 OPTION - RETRY
	0020 699 \$LGMIGNR EQU X'20'		.ON - 2 OPTION - CANCEL STEP
12	0010 700 \$LGMIGNR EQU X'10'		.ON - 3 OPTION - CANCEL JOB
	701 *		.OPTION RESPONSES ALLOWED
	0008 702 \$LGMIGNR EQU X'08'		.ON - 0 OPTION - IGNORE
13	0004 703 \$LGMIGNR EQU X'04'		.ON - 1 OPTION - RETRY
	0002 704 \$LGMIGNR EQU X'02'		.ON - 2 OPTION - CANCEL STEP
	0001 705 \$LGMIGNR EQU X'01'		.ON - 3 OPTION - CANCEL JOB
14	000C 706 \$LGDCCI1 EQU \$LGDCCI+2		TUB ADDRESS FOR TYPE 1
	000C 707 \$LGDCCI1 EQU \$LGDCCI+2		SUBCONSOLE 'D' FIELD FOR TYPE 1
	0002 708 \$LGLTUB1 EQU 2		LENGTH OF TUB OR SUBCONSOLE FIELD
15	000D 709 \$LGLTILN EQU \$LGDCCI+1		LENGTH OF TYPE 1 PARAMETER LIST
	711 * MESSAGE LENGTH AND ADDRESS EQUATES FOR TYPE 1 VARIABLE INSERT DATA		
16	000D 713 \$LGDCCI1 EQU \$LGDCCI+1		LENGTH OF MSG (MAX= 132 BYTES)
	0001 714 \$LGLILEN EQU 1		LENGTH
17	000F 715 \$LGDCCI1 EQU \$LGDCCI+2		LEFTMOST ADDR OF MSG BUFFER
	0002 716 \$LGLIADR EQU 2		LENGTH
	0010 717 \$LGLTIVL EQU \$LGDCCI+1		LENGTH TYPE 1 PARAM WITH VARIN
18	719 * DATA RESPONSE EQUATES FOR TYPE 1R ONLY		
19	0008 721 \$LGDCCI1 EQU \$LGDCCI+1		DATA RESPONSE LENGTH
	0001 722 \$LGLDRLN EQU 1		LENGTH
	000D 723 \$LGDCCI1 EQU \$LGDCCI+2		DATA RESPONSE ADDRESS
20	0002 724 \$LGLDRAD EQU 2		LENGTH

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ERR LOC	OBJECT CODE
01	
02	000F 725
	000F 726
03	0002 727
	0010 728
	730
04	0008 732
	0001 733
05	0000 734
	0002 735
	000F 736
06	000F 737
	0002 738
07	0010 739
	741
08	0015 743
	0008 744
09	0017 745
	0017 746
	0002 747
10	0018 748
	750
11	0000 752
	0001 753
	0000 754
12	0001 755
	0001 756
	0002 757
13	0001 758
	00F0 759
	760
14	761
	762
15	0001 763
	0002 764
	0003 765
	0003 766
16	0001 767
	0005 768
17	0002 769
	0007 770
	0007 771
18	0002 772
	0008 773
	775 *
19	0006 777
20	0001 778

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02	000F 725	\$LGD7B1R	EQU	\$LGDORAD+2	TUB ADDRESS FOR TYPE 1R
	000F 726	\$LGDSC1R	EQU	\$LGDORAD+2	SUBCONSOLE ID FIELD FOR TYPE 1R
03	0002 727	\$LGL7B1R	EQU	2	LENGTH OF TUB OR SUBCONSOLE FLD
	0010 728	\$LGL71RL	EQU	\$LGD7B1R+1	LENGTH TYPE 1R PARAMETER LIST
730 * MESSAGE LENGTH AND ADDRESS EQUATES FOR TYPE 3 ONLY					
04	0008 732	\$LGD3LEN	EQU	\$LGDACT+1	LENGTH OF MSG(MAX=132 BYTES)
	0001 733	\$LGL3LEN	EQU	1	LENGTH
05	0000 734	\$LGD3ADR	EQU	\$LGD3LEN+2	LEFTMOST ADDR OF MSG BUFFER
	0002 735	\$LGL3ADR	EQU	2	LENGTH
06	000F 736	\$LGD7UB3	EQU	\$LGD3ADR+2	TUB ADDRESS FOR TYPE 3
	000F 737	\$LGD5BC3	EQU	\$LGD3ADR+2	SUBCONSOLE ID FIELD FOR TYPE 3
	0002 738	\$LGL7UB3	EQU	2	LENGTH OF TUB OR SUBCONSOLE FLD
	0010 739	\$LGL73LN	EQU	\$LGD7UB3+1	LENGTH OF TYPE 3 MESSAGE
741 * EIGHT BYTE ENTRY EQUATES FOR TYPE 4 ONLY					
08	0015 743	\$LGD8BYT	EQU	\$LGDORAD+8	8 BYTES TO ADD TO MESSAGE
	0008 744	\$LGL8BYT	EQU	8	LENGTH
09	0017 745	\$LGD7UB4	EQU	\$LGD8BYT+2	TUB ADDRESS TYPE 4
	0017 746	\$LGD5BC4	EQU	\$LGD8BYT+2	SUBCONSOLE ID FIELD FOR TYPE 4
	0002 747	\$LGL7UB4	EQU	2	LENGTH OF TUB OR SUBCONSOLE FLD
	0018 748	\$LGL74LN	EQU	\$LGD7UB4+1	LENGTH OF TYPE 4 PARAMETER LIST
750 * SYSLOG PARAMETER LIST TYPE 2 AND 2R					
11	0000 752	\$LGD5FNC2	EQU	0	SYSLOG FUNCTION BYTE ONE
	0001 753	\$LGL5FNC2	EQU	1	LENGTH
12	0000 754	\$LGH5YP2	EQU	0	.RESERVED
	0001 755	\$LGD5FNC4	EQU	\$LGD5FNC2+1	FUNCTION BYTE TWO
	0001 756	\$LGL5FNC4	EQU	1	LENGTH
13	0002 757	\$LGD5PAGE	EQU	\$LGD5FNC4+1	PAGE CONTROL BYTE
	0001 758	\$LGL5PAGE	EQU	1	LENGTH
	00F0 759	\$LGH5SKIP	EQU	X'F0'	.ON - (ANY OF 1ST FOUR) CAUSES
14	760 *				.SKIP TO LINE 6 OF NEXT PAGE
	761 *				.BITS 4 AND 5 MUST BE ZERO
	762 *				.BITS 6,7 - SPACE AFTER VALUE
15	0001 763	\$LGH5PC1	EQU	X'01'	.SPACE 1 LINE AFTER PRINTING
	0002 764	\$LGH5PC2	EQU	X'02'	.SPACE 2 LINES AFTER PRINTING
	0003 765	\$LGH5PC3	EQU	X'03'	.SPACE 3 LINES AFTER PRINTING
16	0003 766	\$LGDLEN	EQU	\$LGD5PAGE+1	LENGTH OF MSG (MAX=132 BYTES)
	0001 767	\$LGLLEN	EQU	1	LENGTH
	0005 768	\$LGDADDR	EQU	\$LGDLEN+2	LEFTMOST ADDR OF MSG BUFFER
	0002 769	\$LGLADDR	EQU	2	LENGTH
17	0007 770	\$LGD7UB2	EQU	\$LGDADDR+2	TUB ADDRESS FOR TYPE 2
	0007 771	\$LGD5BC2	EQU	\$LGDADDR+2	SUBCONSOLE ID FIELD FOR TYPE 2
	0002 772	\$LGL7UB2	EQU	2	LENGTH OF TUB OR SUBCONSOLE FLD
18	0008 773	\$LGL72LN	EQU	\$LGD7UB2+1	LENGTH OF TYPE 2 PARAMETER LIST
775 * DATA RESPONSE EQUATES FOR TYPE 2R ONLY					
19	0006 777	\$LGD2DRL	EQU	\$LGDADDR+1	DATA RESPONSE LENGTH
20	0001 778	\$LGL2DRL	EQU	1	LENGTH

ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02	0008 775				
	0002 786				
	000A 781				
03	000A 782				
	0002 783				
	0008 784				
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16	2416 *60	TQE	0003 2469
	2417 *		0080 2471
	2418 *****		0040 2472
	2419 *68 * * * * *		0020 2473
17	2420 * SQBCT * LCKPK * SSTID * TSKID *	* PRIQ * STAT4 * STAT5 *	0010 2474
	2421 *****	*****	0008 2475
	2422 *7OCATH * * * * *		0004 2476
18	2423 * AWJCT * CAT * PRTMK * NSCNT *	* CNCNT * IQCNT * ARQCT * STAT6 *	0002 2477
	2424 *****	*****	2478
	2425 *78 * * * * *		0004 2480
19	2426 * BAT * SUSPS * SMFPT *	* TWAST * X *	0080 2482
	2427 *****	*****	
20			

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
01						01	
02	0008	779	\$LGD2DRA	EQU	\$LGD2ORL+2	02	789 *
	0002	780	\$LGL2DRA	EQU	2		790 *
03	000A	781	\$LGD7B2R	EQU	\$LGD2DRA+2		791 *
	000A	782	\$LGD5C2R	EQU	\$LGD2DRA+2	03	792 *
	0002	783	\$LGL7B2R	EQU	2		793 *
04	0008	784	\$LGL7R2L	EQU	\$LGD7B2R+1		794 *
						04	
					786 * END OF EXPANSION		
					787 *** END OF EXPANSION **		
05						05	
							796 *
06						06	00F1 798 SAID
							00F0 799 SAID
							00F5 800 SAID
07						07	00F4 801 SAID
							00F6 802 SAID
							00F3 803 SAID
08						08	00F8 804 SAID
							00F8 805 SAID
							008D 806 SAID
09						09	00F2 807 SAID
							00FA 808 SAID
							00F2 809 SAID
10						10	0031 810 SAID
							0032 811 SAID
							0033 812 SAID
11						11	0034 813 SAID
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							0036 815 SAID
12						12	0037 816 SAID
							0038 817 SAID
							0039 818 SAID
13						13	003A 819 SAID
							003B 820 SAID
							003C 821 SAID
14						14	003D 822 SAID
							0081 823 SAID
							0082 824 SAID
15						15	0083 825 SAID
							0084 826 SAID
							0085 827 SAID
16						16	0086 828 SAID
							0087 829 SAID
							0088 830 SAID
17						17	0089 831 SAID
							008A 832 SAID
							008B 833 SAID
18						18	008C 834 SAID
							0001 835 SAID
							00FF 836 SAID
19						19	00FE 837 SAID
							00FC 838 SAID
20						20	

		0003 2469 TCBWMSK2 EQU	TCBWMSK+1	SECOND WAIT MASK	
16		0080 2471 TCBPTRWT EQU	X'80'	. PRINTER ALLOCATE FAILURE	16
		0040 2472 TCBLINMT EQU	X'40'	. COMPL. LINE ALLOCATE FAILURE	
17		0020 2473 TCBOKTWT EQU	X'20'	. DISKETTE ALLOCATE FAILURE	17
		0010 2474 TCBDSKWT EQU	X'10'	. DISK SPACE ALLOCATION FAILURE	
		0008 2475 TCBDEVWT EQU	X'08'	. OTHER DEVICES ALLOCATION FAILURE	
18		0004 2476 TCBICKWT EQU	X'04'	. ICS TRANSIENT WAITOR	18
		0002 2477 TCBASRWT EQU	X'02'	. ASSIGN RECOVERY FORCED WAITER	
		2478 *	EQU X'01'	. RESERVED	
19		0004 2480 TCBSTAT3 EQU	TCBWMSK2+1	TCB STATUS BYTE 3	19
20		0080 2482 TCBTERM EQU	X'80'	. TASK IS IN TERMINATION	20

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PAGE 18	V09/11/81	12/05/81	12:00								
				01	SHHELP SYSTEM/34 HELP UTILITY						
				02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT					
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A22

15	2522 * TCBPROR WILL BE TCBPRCNV AND BIT TCBPRCHK WILL BE SET IN TCBBA1.	15
16	0000 2523 TCBPRCNV EQU X'DO' CONVERSATIONAL PRIORITY 0000 2524 TCBPRBCH EQU X'CO' BATCH PRIORITY 2525 * NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRCNV DYNAMICALLY 2526 * CHANGED TO/FROM TCBPRBCH BE THE SYSTEM SUPERVISOR.	16
17	0080 2527 TCBPRUDL EQU X'BO' LOW PRIORITY	17
18	0006 2529 TCBTTIME EQU TCBPRIOR+1 TASK RESIDUAL TIME INTERVAL.	18
19	0007 2531 TCBQCNT EQU TCBTTIME+1 QUIESCE COUNTER 0009 2532 TCBCHPLQ EQU TCBQCNT+2 TASK EVENT CONTROL QUEUE HEADER 2533 *AAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAA	19
20	0008 2535 TCBPUSH EQU TCBCHPLQ+2 PUSH ELEMENT Q-HEADER 000D 2536 TCBCHAIN EQU TCBPUSH+2 SYSTEM EXISTENCE QUEUE CHAINING FIELD	20

B23

9	V09/11/81 12/05/81 12:00
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01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 20	V09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		
03	841 * 842 * TWO BYTE WRITE CONTROL CHARACTER 843 *		
04	0000 845 \$WSErase EQU X'CO' VALUE TO ERASE INPUT FIELDS 0040 846 \$WSErSPDT EQU X'40' VALUE TO RESET ALL MDT BITS 847 * BITS 2-7 NOT USED (MUST BE ZERO) 0080 848 \$WSErBLDS EQU X'80' RESET BLINKING DISPLAY 0040 849 \$WSErBLDS EQU X'40' BLINK THE DISPLAY 0020 850 \$WSErBLCR EQU X'20' RESET BLINKING CURSOR 0010 851 \$WSErBLCUR EQU X'10' BLINK THE CURSOR 0008 852 \$WSErUNLCK EQU X'08' UNLOCK (RESET) THE KEYBOARD 0004 853 \$WSErALARM EQU X'04' SOUND AUDIBLE ALARM 0002 854 \$WSErMSG EQU X'02' RESET MESSAGE WAITING LIGHT 0001 855 \$WSErSTMSG EQU X'01' SET MESSAGE WAITING LIGHT		
09	857 * 858 * SCREEN ATTRIBUTE BITS 859 *		
10	0001 861 \$WSErVING EQU X'01' REVERSE IMAGE 0002 862 \$WSErHTINT EQU X'02' HIGH INTENSITY FIELD 0004 863 \$WSErUNSCR EQU X'04' UNDERSCORE FIELD 0008 864 \$WSErBLINK EQU X'08' BLINK THE FIELD 0010 865 \$WSErCLMKN EQU X'10' COLUMN MARK FIELD 0007 866 \$WSErNODIS EQU X'07' NON-DISPLAY FIELD 867 *		
13	868 * THE FOLLOWING IS A DESCRIPTION OF THE FIELD FORMAT WORDS THAT 869 * FOLLOW THE SF ORDER FOR INPUT FIELDS. THEY OCCUR IN PAIRS AS 870 * FOLLOWS:		
14	871 * (FW1)<FW2> OR, 872 * (FW1)<FW2><RSEQ><RSEQ*> OR, 873 * (FW1)<FW2><MODUL><MOD10> OR, 874 * (FW1)<FW2><MODUL><MOD11> OR, 875 * (FW1)<FW2><RSEQ><RSEQ*><MODUL><MOD10> OR, 876 * (FW1)<FW2><RSEQ><RSEQ*><MODUL><MOD11>		
16	877 * 878 * FIELD BITS BIT DESCRIPTION OR VALUE 879 * FW1 0-1 01		
17	880 * 2 BYPASS FIELD 881 * 3 DUP ALLOWED 882 * 4 MDT BIT (ON IF 1, OFF IF 0)		
18	883 * 5-7 MATRIX OF VALUES 884 * 000 ALPHANUMERIC 885 * 001 ALPHA ONLY (NO NUMERIC)		
19	886 * 010 RESERVED 887 * 011 NUMERIC ONLY 888 * 100 KATAKANA 889 * 101 OVERSTRIKE CHARACTER ALLOWED		

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01	\$HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE
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15	005A 2576 TCBLDISK EQU TCBLDREL+3	TASK ABSOLUTE DISK ADDR FOR LOADER
16	0059 2577 TCBSIAR EQU TCBLDISK-1	SAVE IAR ON ABTERM
	005B 2578 TCBINVCT EQU TCBLDISK+1	TASK INVITE COUNT
	005D 2579 TCBSAGNQ EQU TCBINVCT+2	ASSIGNED ELEMENTS QUEUE
	005F 2580 TCBEEXIT EQU TCBSAGNQ+2	ASYNCHRONOUS EXIT ADDRESS.
17	005F 2581 TCBAFAIL EQU TCBEEXIT	CP ASSIGN FAILURE INDICATOR BYTES
	0067 2582 TCBTQE EQU TCBEEXIT+8	TIMER QUEUE ELEMENT.
	0068 2583 TCBSQBCT EQU TCBTQE+1	COUNT OF SECTOR QUEUE REQUESTS
18	0069 2584 TCBLCKPK EQU TCBSQBCT+1	COUNT OF LOCK REQUESTS
	0080 2585 TCBLCKDI EQU X'80'	INTERLOCK FOR DEDICATION
	0040 2586 TCBLCKSI EQU X'40'	INTERLOCK FOR SCHEDULER
19	0020 2587 TCBLCKVI EQU X'20'	INTERLOCK FOR VTOC
	0010 2588 TCBLCK5I EQU X'10'	INTERLOCK FOR FORMAT 5
	0008 2589 TCBLCKPI EQU X'08'	INTERLOCK FOR PROC NAME
20	0004 2590 TCBLCKHI EQU X'04'	INTERLOCK FOR HISTORY FILE

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				\$HELP SYSTEM/34 HELP UTILITY
02		890 *	110	RESERVED
		891 *	111	SIGNED NUMERIC
03		892 *	FWZ 0	AUTO ENTER WHEN FIELD IS EXITED
		893 *	1	FIELD EXIT REQUIRED
		894 *	2	FORCE UPPERCASE ALPHA
04		895 *	3	RESERVED
		896 *	4	MANDATORY ENTER
		897 *	5-7	MATRIX OF VALUES
05		898 *	000	NO ADJUST
		899 *	001	RESERVED
		900 *	010	RESERVED
06		901 *	011	RESERVED
		902 *	100	RESERVED
		903 *	101	RIGHT ADJUST ZERO FILL
07		904 *	110	RIGHT ADJUST BLANK FILL
		905 *	111	MANDATORY FILL
		906 *	RSEQ 0-7	10000000
08		907 *	RSEQ* 0-7	SEQUENCE NUMBER OF NEXT INPUT FIELD
		908 *	MODUL 0-7	10110001
		909 *	MOD10 0-7	10100000
09		910 *	MOD11 0-7	01000000
		911 *		
		912 *		END OF EXPANSION
		913 ***		END OF EXPANSION **

\$HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR

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15	0080 2631 TCBSHRC EQU X'80'	SHUTDOWN RETURN CODE DELIVERED	15
16	0040 2632 TCBATTCH EQU X'40'	ATTACH YES	16
	0020 2633 TCBSYSTEM EQU X'20'	SYSTEM TASK - NOT SUSPENDABLE	
	0010 2634 TCBABTRM EQU X'10'	TASK IS IN ABNORMAL TERMINATION	
17	0008 2635 TCB22RCS EQU X'08'	RECURSIVE TERMINATION DUE TO SVC 22	17
	0004 2636 TCBCLPD EQU X'04'	CANCEL PENDING	
	0004 2637 TCBTACL EQU X'04'	C.P. CALLED FOR TWA RECOVERY	
18	0002 2638 TCBHDMPT EQU X'02'	ERROR ON DUMP - PARTIAL DUMP TAKEN	18
	0001 2639 TCBMPPD EQU X'01'	DUMP PENDING ON CANCEL	
19	006F 2641 TCBSTAT5 EQU TCBSTAT4+1	STATUS BYTE 5	19
20	0080 2643 TCBTHBIT EQU X'80'	TASK HAS BEEN IN TERMINATION	20
	0040 2644 TCBCLN2PD EQU X'40'	2 OPTION CANCEL PENDING	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	PAGE	22	V09/11/81	12/05/81	12:00
01					\$HELP SYSTEM/34 HELP UTILITY	01				
02					ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	02				
					915 * #EQU 01940000					
					916 *					
03	0001	917	XR1	EQU 1	REGISTER ONE					
	0002	918	XR2	EQU 2	REGISTER TWO					
	0004	919	PSR	EQU 4	PROGRAM STATUS REGISTER					
04	0008	920	ARR	EQU 8	ADDRESS RECALL REGISTER					
	0010	921	IAR	EQU 16	INSTRUCTION ADDRESS REGISTER					
	0001	922	IOB	EQU 1	IOB POINTER					
05	0002	923	DTF	EQU 2	DTF POINTER					
					924 *					
	0000	925	#	EQU 0	ALTERABLE CODE					
	0000	926	#W	EQU 0	ALTERABLE CODE					
06	0002	927	B	EQU 2	LENGTH OF ADDRESSES					
					928 *					
07	0040	929	BLANK	EQU C'	BLANK CHARACTER					
	0000	930	ZERO	EQU 0	**					
	0001	931	ONE	EQU 1	* *					
08	0002	932	TWO	EQU 2	* *					
	0003	933	THREE	EQU 3	* *					
	0004	934	FOUR	EQU 4	* *					
09	0005	935	FIVE	EQU 5	* * SELF DEFINING TERMS					
	0006	936	SIX	EQU 6	* *					
	0007	937	SEVEN	EQU 7	* *					
10	0008	938	EIGHT	EQU 8	* *					
	0009	939	NINE	EQU 9	**					
					940 *					
11	0010	941	TRUE	EQU X'10'	TRUE CONDITION CODE					
	0090	942	FALSE	EQU X'90'	FALSE CONDITION CODE					
	0087	943	UNCOND	EQU X'87'	UNCONDITIONAL CONDITION CODE					
					944 *					
12	0080	945	NOOP	EQU X'80'	NEVER BRANCH					
	0000	946	NOBIT	EQU X'00'	NO BITS MASK					
13	000F	947	NUMBITS	EQU X'0F'	NUMERIC BITS ONLY MASK					
	00F0	948	ZONEBITS	EQU X'F0'	ZONE BITS ONLY MASK					
	00FF	949	ALLBIT	EQU X'FF'	ALL BITS MASK					
14	0080	950	BIT0	EQU X'80'	MASK FOR BIT 0 - X.....					
	0040	951	BIT1	EQU X'40'	MASK FOR BIT 1 - .X.....					
	0020	952	BIT2	EQU X'20'	MASK FOR BIT 2 - ..X....					
15	0010	953	BIT3	EQU X'10'	MASK FOR BIT 3 - ...X...					
	0008	954	BIT4	EQU X'08'	MASK FOR BIT 4 -X..					
	0004	955	BIT5	EQU X'04'	MASK FOR BIT 5 -X.					
16	0002	956	BIT6	EQU X'02'	MASK FOR BIT 6 -X.					
	0001	957	BIT7	EQU X'01'	MASK FOR BIT 7 -X					
					958 *					
17	0008	959	IARX	EQU X'08'	IAR TRANSLATED					
	0004	960	OP2	EQU X'04'	OP2 TRANSLATED					
	0002	961	OP1	EQU X'02'	OP1 TRANSLATED					
18	0000	962	PRV	EQU X'00'	TASK PRIVELEDGED					
	0001	963	MPRV	EQU X'01'	TASK NOT PRIVELEDGED					
	0080	964	DSABL	EQU X'80'	DISPATCHING DISABLED					
19					965 *** END OF EXPANSTON **					
20										

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15	0002 2684 TCBSDTAC EQU X'02'	TASK SUSPENDED DUE TO ADDRESS COMPARE	15
	0001 2685 TCBWIOSP EQU X'01'	TASK SUSPENDED DUE TO WS 1/0 ERROR	
16	007A 2687 TCBWAFLG EQU TCBSUSPS+1	WSMA INITIALIZATION STATUS.	16
22		2689 * SEE TUB MACRO (BYTE TUBWAFLG) FOR BIT DEFINITIONS WITHIN TCBWAFLG.	17
	007C 2691 TCBSMFPT EQU TCBWAFLG+2	SMF POINTER	18
		2692 * THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH	
		2693 * BYTE OF THE SMF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS	
		2694 * A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD.	
	0080 2695 TCBSMFDN EQU X'80'	SMF HAS PROCESSED THIS TCB	19
	2696 *		
	007D 2698 TCBX EQU TCBSMFPT+1	AMOUNT OF TASK SWAPPED OUT	20

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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	01980000	
01							
02	01940000		967 *	FMTIX		01980000	
			968 *	*****			
			969 *	LABELS AND DISPLACEMENTS INTO FORMAT INDEX FOR USER REQUESTS *			
			970 *	*****			
04		0007	972	FMTNME EQU 0+7	FORMAT NAME		
		0008	973	FMTSST EQU FMTNME+1	START OF SYSTEM FORMAT INDEX		
		000A	974	FMTS8 EQU FMTSST+2	SECTOR ADDRESS OF FORMAT		
05		000B	975	FMT#FS EQU FMTS8+1	NUMBER OF FDT SECTORS		
		000C	976	FMT#DS EQU FMT#FS+1	NUMBER OF DATA STREAM SECTORS		
		000E	977	FMTTDL EQU FMT#DS+2	INPUT DATA LENGTH OF FORMAT		
06		000F	978	FMT#RSV EQU FMTTDL+1	* LAST BYTE		
		0080	979	FMTLST EQU X'80'	LAST INDEX ENTRY		
		0040	980	FMTKANJI EQU X'40'	FORMAT CONTAINS KANJI DATA		
07		0010	981	FMTLEN EQU FMTLST	LENGTH OF INDEX		
08			983 *	EQUATE VALUES AND DISPLACEMENTS INTO INDEX FOR SYSTEM REQUESTS			
09		0002	985	FMTSSS EQU FMTS8-FMTSST	DISK ADDRESS OF FDT AND TEXT		
		0003	986	FMTFDL EQU FMT#FS-FMTSST	LENGTH IN SECTORS OF FDT		
		0004	987	FMTTXL EQU FMT#DS-FMTSST	LENGTH IN SECTORS OF TEXT		
10		0006	988	FMTINL EQU FMTTDL-FMTSST	INPUT LENGTH OF SCREEN		
			989	*** END OF EXPANSION **			
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT					
01									
02			991 *	HETBL V-EQU				02000000	
			992 *	*****					
			993 *						
03			994 *	HELP FORMAT TABLE EQUATES					
			995 *						
			996 *	*****					
04		0000	998	HECONTRL EQU 0 CONTROL BYTE					
05		0080	1000	HEPRIME EQU X'80' PRIME FORMAT ENTRY					
		0040	1001	HESPLIT EQU X'40' SPLIT FORMAT					
06		0020	1002	HENTEXEC EQU X'20' FORMAT IS NOT EXECUTABLE					
		0010	1003	HENDINPT EQU X'10' NOT ALLOWED AS INPUT PARAMETER					
		0008	1004	HENOCALL EQU X'08' NON CALLABLE FORMAT					
		0004	1005	HEROLL EQU X'04' ROLL DOWN INTO SPLIT FORMAT OK					
07		0001	1007	HETYPE EQU HECONTRL+1 FORMAT TYPE BYTE					
08		0080	1009	HE\$HELP EQU X'80' PRIVILEGED FORMAT					
09		0010	1011	HESLST#1 EQU X'10' SUB LIST NUMBER 1					
		0020	1012	HESLST#2 EQU X'20' SUB LIST NUMBER 2					
		0030	1013	HESLST#3 EQU X'30' SUB LIST NUMBER 3					
		0040	1014	HESLST#4 EQU X'40' SUB LIST NUMBER 4					
		0050	1015	HESLST#5 EQU X'50' SUB LIST NUMBER 5					
		0060	1016	HESLST#6 EQU X'60' SUB LIST NUMBER 6					
		0070	1017	HESLST#7 EQU X'70' SUB LIST NUMBER 7					
11		0001	1019	HEPROC EQU X'01' SSP PROCEDURES					
		0002	1020	HECMD EQU X'02' SSP COMMANDS					
		0003	1021	HEOCL EQU X'03' OCL STATEMENTS					
		0004	1022	HEPCE EQU X'04' PCE STATEMENTS					
		0005	1023	HEUTIL EQU X'05' UTILITY PROCEDURES					
		0006	1024	HELANG EQU X'06' LANGUAGE PROCEDURES					
		0007	1025	HE\$TP EQU X'07' TP PROCEDURES					
		0008	1026	HE\$VAID EQU X'08' SERVICE AID PROCEDURES					
14		0003	1028	HE\$NDMSK EQU HETYPE+2 MANDATORY FIELD MASK					
		0004	1029	HESUBRD EQU HE\$NDMSK+1 SUBROUTINE TABLE DISPLACEMENT					
15		0007	1030	HEC\$PMSK EQU HESUBRD+3 COMPRESS MASK					
		0008	1031	HETBLLEN EQU HEC\$PMSK+1 LENGTH OF TABLE ENTRY					
16		1033	*	*****					
		1034	*						
		1035	*	THE FOLLOWING EQUATES ARE USED BY #CTPP (// PROMPT)					
17		1036	*						
		1037	*	*****					
18		0000	1039	HEDFUDSP EQU 0 DISP OF 1ST DFU ENTRY IN #HET9					
		0028	1040	HESDADSP EQU HEDFUDSP+5*HETBLLEN DISP OF 1ST SDA ENTRY IN #HET9					
19		0038	1041	HESUDSP EQU HESDADSP+2*HETBLLEN DISP OF 1ST SEU ENTRY IN #HET9					
		0040	1042	HESRTDSP EQU HESUDSP+1*HETBLLEN DISP OF 1ST SORT ENTRY IN #HET9					
		0048	1043	HESRXDSP EQU HESRTDSP+1*HETBLLEN DISP OF 1ST SRTX ENTRY IN #HET9					
20		0068	1044	HEWSUDSP EQU HESRXDSP+4*HETBLLEN DISP OF 1ST WSU ENTRY IN #HET9					

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2746 *****
 2747 * 58 * 59 5A * 5B * 5F *
 2748 * ATTRB * TUBDGTUB * ATTRC * RESERVED *
 2749 *****

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 02000000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	00A0	1045	HEASMDSP EQU	HEASMDSP+7*HETBLEN DISP OF 1ST ASM ENTRY IN #MET9
	00B8	1046	HEBSCDSP EQU	HEASMDSP+3*HETBLEN DISP OF 1ST BSC ENTRY IN #MET9
	00D0	1047	HECBLDSP EQU	HEBSCDSP+3*HETBLEN DISP OF 1ST CBL ENTRY IN #MET9
03	0000	1049	HEFRDTPSP EQU	0 DISP OF 1ST FRT ENTRY IN #META
	0030	1050	HEQLEDSP EQU	HEFRDTPSP+6*HETBLEN DISP OF 1ST OLE ENTRY IN #META
	0038	1051	HERPGDSP EQU	HEQLEDSP+1*HETBLEN DISP OF 1ST RPG ENTRY IN #META
	0060	1052	HESMFDSP EQU	HERPGDSP+5*HETBLEN DISP OF 1ST SMF ENTRY IN #META
05		1055	***	END OF EXPANSTON **

#HELP SYSTEM/34 HELP UTILITY
 ERR LOC OBJECT CODE ADDR STMT
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 0000 1061
 0080 1062
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 0003 1105 \$
 0005 1106 \$
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 0006 1110 \$

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 26 V09/11/81 12/05/81 12:00
02		1057 *		\$INFO	02004000
		1058 *			
03		1059 *		INFORMATION RETRIEVAL PARAMETER LIST EQUATES	
		1060 *			
04	0000	1061	\$INFFUNC EQU 0	FUNCTION BYTE	
	0080	1062	\$INFPUT EQU X'80'	BIT 0 ON - PUT OPERATION	
		1063 *		OFF - GET OPERATION	
05	0040	1064	\$INFTRID EQU X'40'	BIT 1 ON - TERM ID GIVEN	
		1065 *		OFF - TERM ID NOT GIVEN	
06	0001	1066	\$INFREQ EQU \$INFFUNC+1	REQUEST TYPE BYTE	
	0001	1067	\$INFTRM EQU 1	DATE FORMAT REQUEST (GET)	
		1068 *		'D' = DMY FORMAT	
		1069 *		'M' = MDY FORMAT	
		1070 *		'Y' = YMD FORMAT	
07	0002	1071	\$INFPRD EQU 2	PROGRAM DATE REQUEST (GET)	
		1072 *		(3 BYTE FIELD IN YMD FORMAT)	
08	0003	1073	\$INFSDAT EQU 3	SESSION DATA REQUEST (GET)	
		1074 *		(3 BYTE FIELD IN YMD FORMAT)	
09	0004	1075	\$INFUPSI EQU 4	UPSI SWITCH BYTE (GET/PUT)	
		1076 *		(3 BYTE FIELD IN YMD FORMAT)	
10	0005	1077	\$INFIND EQU 5	INQUIRY LATCH INDICATION (GET)	
		1078 *		'Y' = INQUIRY LATCH WAS ON	
		1079 *		(IND LATCH TURNED OFF)	
		1080 *		'N' = INQUIRY LATCH NOT ON	
11	0006	1081	\$INFLANG EQU 6	LANG. COMPILER BYTE (GET/PUT)	
		1082 *		(1 BYTE FIELD)	
12	0007	1083	\$INFPRG1 EQU 7	PROGRAM MESSAGE MEMBER #1 (PUT)	
		1084 *		(8 BYTE FIELD)	
13	0008	1085	\$INFPRG2 EQU 8	PROGRAM MESSAGE MEMBER #2 (PUT)	
		1086 *		(8 BYTE FIELD)	
14	0009	1087	\$INFLOC EQU 9	LOCAL AREA (GET/PUT)	
		1088 *		(VARIABLE SIZE)	
15	000A	1089	\$INFCIBB EQU 10	COMPILER INFO BLOCK ADDR (GET)	
		1090 *		(2 BYTE STORAGE ADDRESS)	
16	000B	1091	\$INFNEP EQU 11	PRG ATTRIBUTE INDICATOR (GET)	
		1092 *		'Y' = NEP PROGRAM	
		1093 *		'N' = NON-NEP PROGRAM	
17	000C	1094	\$INFPRT EQU 12	MAX NUMBER OF REQUESTORS (GET)	
		1095 *		(1 BYTE HEX VALUE)	
18	000D	1096	\$INFLINE EQU 13	NUMBER OF LINES PER PAGE	
		1097 *		(1 BYTE HEX VALUE)	
19	000E	1098	\$INFUSR1 EQU 14	USER MESSAGE MEMBER # 1 (PUT)	
		1099 *		(8 BYTE FIELD)	
20	000F	1100	\$INFUDAT EQU 15	UNPACKED PRG DATE FIELD (GET)	
		1101 *		(6 BYTE FIELD-IN DATE FORMAT)	
	0010	1102	\$INFCD EQU 16	JCB RETURN CODE FIELD (PUT)	
		1103 *		(2 BYTE CODE IN FORM 'XXXX')	
		1104 *			
	0003	1105	\$INFBUFF EQU \$INFREQ+2	USERS BUFFER ADDRESS	
	0005	1106	\$INFID EQU \$INFBUFF+2	TERMINAL ID	
		1107 *		(IF INFO IS TO BE RETRIEVED)	
		1108 *		(FROM OTHER THAN THE PRIMARY)	
		1109 *		(PROGRAM TERMINAL.)	
	0006	1110	\$INFRET EQU \$INFID+1	PARAMETER LIST RETURN CODE	

15	0000 2818 TUBSERP EQU X'80'	. INDICATES USER DEFINED ERP
	0040 2819 TUBSNO2 EQU X'40'	. NO RETURN ON PERMANENT ERROR
	0020 2820 TUBAUT0B EQU X'20'	. AUTO INPUT BUFFER ASSIGNMENT
16	0010 2821 TUBSWH EQU X'10'	. TUB NOT ALLOWED OFF VERTICAL TUBCHAIN
	0008 2822 TUBONL EQU X'08'	. DEVICE ONLINE
	0004 2823 TUBR11SU EQU X'C4'	. READ INPUT ISSUED TO TUB
17	0002 2824 TUBR11CM EQU X'02'	. READ INPUT NOT COMPLETE
	0001 2825 TUBSOTCS EQU X'01'	. DATA IN CONTROL STORE
18	0003 2827 TUBCPND EQU TUBFLAG+1	IOB COMMAND BYTE
	00C0 2829 TUBSDA EQU X'C0'	. LOCAL WORKSTATION DEVICE ADDRESS
19	00E0 2830 TUBSPHW EQU X'E0'	. NATIVE PRINTER DEVICE ADDRESS
	00C0 2831 TUBSEXEC EQU X'C0'	. EXEC I/O OPERATION CODE
	00C1 2832 TUBSPOLL EQU X'C1'	. EXEC INVITE OPERATION
20	00C2 2833 TUBSDLE EQU X'C2'	. QUITESCE

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02004000	0000	1111	\$INFSUC	EQU 0	SUCCESSFUL COMPLETION CODE
	0080	1112	\$INFNTM	EQU X'80'	TERM ID WAS GIVEN AND TH: TERM
		1113	*		IS NOT ATTACHED
	0040	1114	\$INFDM	EQU X'40'	TERM ID WAS GIVEN AND THE TERM
		1115	*		IS ONLY A DATA TERM
	0020	1116	\$INFDMF	EQU X'20'	TERM ID WAS GIVEN AND COULD NOT
		1117	*		BE FOUND IN ANY TUB
	0010	1118	\$INFPR	EQU X'10'	TERM ID WAS GIVEN BUT ID WAS
		1119	*		FOR A PRINTER DEVICE
	0007	1120	\$INFLEN	EQU \$INFRET+1	LENGTH OF 'LOCAL' REQUEST
		1121	*		
	0008	1122	\$INFDISP	EQU \$INFLEN+1	OFFSET OF 'LOCAL' REQUEST
		1123	*		
		1124	***		END OF EXPANSION **

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15	0008 2872 TUBSENS1 EQU TUBSENS0+1	SENSE BYTE 1
	2874 * SCREEN FORMAT ERROR	* REFERENCE GROUP 5 IN TUBSENS4
	2875 * EQU X'80'	. SCREEN FORMAT ERROR
16	2876 * EQU X'40'	. NO RESPONSE TIME OUT
	2877 * EQU X'20'	. TRANSMIT ACTIVITY CHECK
	2878 * EQU X'10'	. ACTIVATE COMMAND FAILURE
17	2879 * EQU X'08'	. RECEIVE PARITY CHECK
	2880 * EQU X'04'	. RECEIVE LENGTH CHECK
	2881 * EQU X'02'	. NOT USED
18	2882 * EQU X'01'	. EVEN/ODD TIME OUT
19	000C 2884 TUBSENS2 EQU TUBSENS1+1	SENSE BYTE 2
	2886 * EQU X'80'	. DEVICE HUNG BUSY
20	2887 * EQU X'40'	. LINE PARITY CHECK

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				SHELP SYSTEM/34 HELP UTILITY
02		1126 *	JCBEQ	02020000
03		1128 *	*****	
		1129 *		*
		1130 *	JOB CONTROL BLOCK	*
		1131 *		*
04		1132 *	*****	
05	0000 1134	JCB0INIT EQU	0	INITIATOR SWITCH BYTE
	0080 1135	JCBINTRA EQU	X'80'	IN INTRA MODE (LOAD STATEMENT RECEIVED)
	0040 1136	JCBIRUNG EQU	X'40'	PROGRAM RUNNING (BETWEEN RUN STATEMENT AND
		1137 *		TERMINATION)
06	0020 1138	JCBINTER EQU	X'20'	IN INTER MODE (BETWEEN TERMINATION AND
		1139 *		LOAD STATEMENT)
07	0010 1140	JCBINHT EQU	X'10'	IGNORE NO-HIT/T PROCEDURE ATTRIBUTE
	0008 1141	JCBINPRT EQU	X'08'	THIS IS A N/T JOB
	0004 1142	JCBINDSC EQU	X'04'	NO SOURCE REQUIRED
08	0002 1143	JCBILDS EQU	X'02'	LOAD STMT RECEIVED THIS SESSION
	0001 1144	JCBILDJ EQU	X'01'	LOAD STMT RECEIVED THIS JOB
09	0001 1146	JCB0INT2 EQU	JCB0INT2+1	INITIATOR SWITCH BYTE TWO
	0080 1147	JCB0REGN EQU	X'80'	JOB REGION RECEIVED
	0040 1148	JCB0RLCL EQU	X'40'	LOCAL DATA AREA IS IN STORAGE
10	0030 1149	JCB0HPR EQU	X'30'	HIGH PRIORITY HAS BEEN SPECIFIED
	0020 1150	JCB0MOPR EQU	X'20'	MEDIUM PRIORITY HAS BEEN SPECIFIED
	0010 1151	JCB0LOPR EQU	X'10'	LOW PRIORITY HAS BEEN SPECIFIED
		1152 *		X'30' BITS OFF = NORMAL PRIORITY
11	0008 1153	JCB0MPAC EQU	X'08'	IN A PROCEDURE
	0004 1154	JCB0MSLB EQU	X'04'	PROGRAM (JCB0PRG) WAS FOUND IN USER
		1155 *		LIBRARY (JCB0RLB)
12	0002 1156	JCB0RSHN EQU	X'02'	ENQUEUE RESOURCES WITH NEP ATTRIBUTE
	0001 1157	JCB0RSTP EQU	X'01'	NRT PROGRAM
13	0002 1159	JCB0SCH1 EQU	JCB0SCH1+1	SCHEDULER BYTE ONE
	0080 1160	JCB0PUCL EQU	X'80'	PROGRAM HAS UTILITY CONTROL STATEMENTS
	0040 1161	JCB0PREF EQU	X'40'	RUN GOREF AT TERMINATION
14	0020 1162	JCB0RTWA EQU	X'20'	FIRST SYSIN RECORD IS IN TWA
	0010 1163	JCB0FLUC EQU	X'10'	FLUSH UTILITY CONTROL STATEMENTS
	0008 1164	JCB0DEAD EQU	X'08'	PROGRAM IS DEDICATED
15	0004 1165	JCB0MTCO EQU	X'04'	DAY DATE - WORLD TRADE
	0002 1166	JCB0DDND EQU	X'02'	MOY DATE - DOMESTIC
	0001 1167	JCB0PYDD EQU	X'01'	YMD DATE - INTERNATIONAL
16	0003 1169	JCB0SCH2 EQU	JCB0SCH1+1	SCHEDULER BYTE TWO
	0080 1170	JCB0PCL EQU	X'80'	OPEN OR CLOSE ERROR
17	0040 1171	JCB0PRTY EQU	X'40'	PRTY COMMAND EXECUTED PRIOR TO START OF
		1172 *		JOB
	0020 1173	JCB0PNEP EQU	X'20'	PROGRAM IS A NEP
18	0010 1174	JCB0BTCH EQU	X'10'	JOB QUEUE PROGRAM
	0008 1175	JCB0ICRC EQU	X'08'	INCLUDE STATEMENT RECEIVED
	0004 1176	JCB0PRD EQU	X'04'	ALLOCATE - DON'T PREPARE THE DISKETTE
19	0002 1177	JCB0INQP EQU	X'02'	INQUIRY LATCH SET
	0001 1178	JCB0NONI EQU	X'01'	NON-INQUIRABLE PROGRAM
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SHELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR

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15	2927 * GROUP 2 - WS CONTROL FILED ERRORS (REFERENCE TUBSENS0 BIT1)	
	2928 * EQU X'01' . INVALID COMMAND MODIFIER	
	2929 * EQU X'02' . INVALID BYTE COUNT (0 OR 4096)	
16	2930 * EQU X'03' . DEVICE ADDRESS NOT FOUND	
	2931 * EQU X'04' . BYTE COUNT ≠ ACTUALLY TRANSFERED	
17	2933 * GROUP 3 - RESOURCES TEMPORARILY NOT AVAILABLE ERRORS (REFERENCE TUBSENS0 BIT2)	
	2934 * EQU X'01' . PRINTER BUSY DURING WRITE ATTEMPT	
18	0002 2937 TUBSDEAD EQU X'02' . WS IN ERROR MODE	
	2938 * EQU X'03' . DEVICE OFFLINE ERROR	
19	2939 * EQU X'04' . PRINTER NEEDS INITIALIZATION	
	0005 2940 TUBSNRMD EQU X'05' . NOT READY DUE TO OPERATOR ERROR MODE OR SYS REQ MODE	
20	2941 * EQU X'05' . NOT READY DUE TO OPERATOR ERROR MODE OR SYS REQ MODE	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	0004	1180	JCBOSCH3	EQU	JCBOSCH2+1 SCHEDULER BYTE THREE
	0000	1181	JCBOSD3	EQU	X'80' SYSLOG - SUPPRESS 2 OPTION HALT
	0040	1182	JCBOSOFF	EQU	X'40' SYSLIST OFF SELECTED BY HALT OPTION
	0020	1183	JCBOSPR1	EQU	X'20' SYSLIST PRINTER SELECTED BY HALT OPTION
	0010	1184	JCBOPREST	EQU	X'10' RESERVE STATEMENT RECEIVED THIS JOB
	0008	1185	JCBOSCRT	EQU	X'08' SYSLIST CRT SELECTED BY HALT OPTION
	0004	1186	JCBOPEDVP	EQU	X'04' END OF OUTER-MOST PROCEDURE
	0002	1187	JCBOPRINQ	EQU	X'02' INQUIRY JOB
	0001	1188	JCBOSARC	EQU	X'01' TERMINATION - DISPLAY RETURN CODE
05	0005	1190	JCBODLNK	EQU	JCBOSCH3+1 SCHEDULER INTERLOCK BYTE
	0000	1191	JCBOSLOG	EQU	X'80' SYSLOG TRANSIENT CALLED
	0040	1192	JCBOSYSN	EQU	X'40' SYSIN TRANSIENT CALLED
	0020	1193	JCBODKAL	EQU	X'20' DISKETTE FILE ALLOCATED, BUT NOT CLOSED
	0010	1194	JCBOPDVC	EQU	X'10' DISKETTE VTOC ON DISK
	0008	1195	JCBOPDVA	EQU	X'08' DISKETTE VTOC UPDATED
	0004	1196	JCBOPCSH	EQU	X'04' RESUME - CALL MCSIN
	0002	1197	JCBOSLST	EQU	X'02' AUTO-LOADER DISKETTE SELECTED
	0001	1198	JCBWRSET	EQU	X'01' RESET STATEMENT RECEIVED
09	0006	1200	JCBUPSI	EQU	JCBODLNK+1 UPSI SWITCH BYTE
	0000	1201	JCBUPSI1	EQU	X'80' UPSI SWITCH ONE
	0040	1202	JCBUPSI2	EQU	X'40' UPSI SWITCH TWO
	0020	1203	JCBUPSI3	EQU	X'20' UPSI SWITCH THREE
	0010	1204	JCBUPSI4	EQU	X'10' UPSI SWITCH FOUR
	0008	1205	JCBUPSI5	EQU	X'08' UPSI SWITCH FIVE
	0004	1206	JCBUPSI6	EQU	X'04' UPSI SWITCH SIX
	0002	1207	JCBUPSI7	EQU	X'02' UPSI SWITCH SEVEN
	0001	1208	JCBUPSI8	EQU	X'01' UPSI SWITCH EIGHT
12	0009	1210	JCBODATE	EQU	JCBUPSI+3 SESSION DATE
	000C	1212	JCBOPDAT	EQU	JCBODATE+3 PROGRAM DATE
13	000E	1214	JCBOSLST	EQU	JCBOPDAT+2 SYSLIST INDICATOR - PRINTER ID
	0000	1215	JCBOSLOFF	EQU	X'0000' = OFF
	EEEE	1216	JCBOSLCRT	EQU	X'EEEE' = CRT
15	0010	1218	JCBDCRLB	EQU	JCBOSLST+2 CURRENT LIBRARY F1 POINTER
	0012	1219	JCBDFSB	EQU	JCBDCRLB+2 LIBRARY FSB CHAIN POINTER
16	0014	1221	JCBDFSBF	EQU	JCBDFSB+2 FILE FSB CHAIN POINTER
	0016	1223	JCBDFSBP	EQU	JCBDFSBF+2 WSB CHAIN POINTER
17	0018	1225	JCBDFSBP	EQU	JCBDFSBP+2 PSB CHAIN POINTER
18	0020	1227	JCB01PRC	EQU	JCBDFSBP+8 NAME OF FIRST LEVEL PROCEDURE
	1228 *				(PRT PROCEDURE NAME IF JCBWPRT IS ON AND
	1229 *				THIS JOB IS POINTED TO BY THE PRT'S TCB)
19	0028	1231	JCBOPROG	EQU	JCB01PRC+8 PROGRAM NAME
20	0029	1233	JCB0STAT	EQU	JCBOPROG+1 STATUS BYTE

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	0016 2906
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17	0017 2908
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19	0018 2904
20	001A 2905

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	0000	1234	J		
	0040	1235	J		
	0020	1236	J		
	0010	1237	J		
	0008	1238	J		
	0004	1239	J		
	0002	1240	J		
	0001	1241	J		
05	002A	1243	J		
06	002B	1245	J		
	002D	1247	J		
07	002F	1249	J		
08	0031	1251	J		
09	0033	1253	J		
	003F	1254	J		
	0037	1255	J		
	0039	1256	J		
	003B	1257	J		
	003D	1258	J		
	003F	1259	J		
	0041	1260	J		
	0043	1262	J		
	0045	1263	J		
	0047	1265	J		
13	0048	1267	J		
14	004C	1269	J		
	004D	1271	J		
15	004E	1273	J		
16	0050	1275	J		
	0052	1277	J		
17	0054	1279	J		
18	0055	1281	J		
	0056	1283	J		
19	0057	1285	J		
20	005E	1287	J		

15	0015 2980 TUBQHDR EQU TUBQVID+1	QUEUE HEADER POINTER PRINTER
	0016 2982 TUBERPCT EQU TUBQHDR+1	ERP CONTROL BYTE
16	2984 *	
	2985 *	SEE THE ERBDCTL FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.
	2986 *	
17	0017 2988 TUBERBFG EQU TUBERPCT+1	ERB F AG BYTE
18	2990 *	
	2991 *	SEE THE ERBDPLG FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.
	2992 *	
19	0018 2994 TUBERAID EQU TUBERBFG+1	ERROR AID FLAG BYTE
20	001A 2995 TUBMTC EQU TUBERAID+2	ERP MESSAGE ID CODE

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SHELP SYSTEM/34 HELP UTILITY		PAGE 30 W09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	SYMT SOURCE STATEMENT
01			
02	0080 1234 JCBMWPNT EQU X'80'		WAITING FOR PRINTER
	0040 1235 JCBMPLIN EQU X'40'		WAITING FOR COMMUNICATION LINE
	0020 1236 JCBMADKT EQU X'20'		WAITING FOR DISKETTE
03	0010 1237 JCBMADSK EQU X'10'		WAITING FOR DISK SPACE
	0008 1238 JCBMINT EQU X'08'		INITIATOR WAITING FOR RESOURCES
	0004 1239 JCBMPPK EQU X'04'		WAITING FOR A PRT OVER PRTMAX
04	0002 1240 JCBMSLOP EQU X'02'		HALT PENDING TO SYSTEM OPERATOR
	0001 1241 JCBMEXTD EQU X'01'		FILE EXTENSION IN PROCESS
05	002A 1243 JCBDRGSZ EQU JCBDRSTAT+1		REGION SIZE (STEP)
06	002B 1245 JCBDRCTAG EQU JCBDRGSZ+1		CURRENT TAG IN PPSA
	002D 1247 JCBDRSLOB EQU JCBDRCTAG+2		SYSLIST IOB ADDRESS
07	002F 1249 JCBDRCTD EQU JCBDRSLOB+2		RETURN CODE (MIC)
08	0031 1251 JCBDRXTA EQU JCBDRCTD+2		JCB EXTENSION ADDRESS
	0033 1253 JCBDRPG1 EQU JCBDRXTA+2		RELATIVE SS OF PROGRAM1 MESSAGE MEMBER
	0035 1254 JCBDRPG2 EQU JCBDRPG1+2		RELATIVE SS OF PROGRAM2 MESSAGE MEMBER
09	0037 1255 JCBDRSR1 EQU JCBDRPG2+2		RELATIVE SS OF USER1 MESSAGE MEMBER
	0039 1256 JCBDRSR2 EQU JCBDRSR1+2		RELATIVE SS OF USER2 MESSAGE MEMBER
	003B 1257 JCBDRG1L EQU JCBDRSR2+2		PROGRAM1 LIBRARY FORMAT-1 ADDRESS
10	003D 1258 JCBDRG2L EQU JCBDRG1L+2		PROGRAM2 LIBRARY FORMAT-1 ADDRESS
	003F 1259 JCBDR1L EQU JCBDRG2L+2		USER1 LIBRARY FORMAT-1 ADDRESS
	0041 1260 JCBDR2L EQU JCBDR1L+2		USER2 LIBRARY FORMAT-1 ADDRESS
11	0043 1262 JCBDRMENU EQU JCBDR2L+2		RELATIVE SS OF MENU MESSAGE MEMBER
	0045 1263 JCBDRMENL EQU JCBDRMENU+2		MENU LIBRARY FORMAT-1 ADDRESS
12	0047 1265 JCBDRJBTID EQU JCBDRMENL+2		JOB NAME (ID)
13	0048 1267 JCBDRLNPG EQU JCBDRJBTID+1		LINES/PAGE
14	004C 1269 JCBDRFIND EQU JCBDRLNPG+4		FORMS NUMBER
	004D 1271 JCBDRSLLC EQU JCBDRFIND+1		SYSLIST CRT LINE COUNTER
15	004E 1273 JCBDRNFTF EQU JCBDRSLLC+1		NUMBER OF FORMATS FOUND
16	0050 1275 JCBDRFINB EQU JCBDRNFTF+2		ADDRESS OF FORMAT INDEX
	0052 1277 JCBDRCIBB EQU JCBDRFINB+2		ADDRESS OF COMPILER INFORMATION BLOCK
17	0054 1279 JCBDRDTF0 EQU JCBDRCIBB+2		ADDRESS OF FIRST DTF ON CHAIN
18	0055 1281 JCBDRSLLR EQU JCBDRDTF0+1		SYSLIST CRT LINES REQUESTED
	0056 1283 JCBDRDFRG EQU JCBDRSLLR+1		REGION SIZE (DEFAULT)
19	0057 1285 JCBDRJBRG EQU JCBDRDFRG+1		REGION SIZE (JOB)
20	005E 1287 JCBDRMENF EQU JCBDRJBRG+7		MENU FORMAT INDEX (NON-RELEASED WS JOBS)

15	0032 301	0034 301
	0035 301	
16	0080 301	0040 301
	0020 301	0010 301
17	0008 301	0004 301
	0002 304	0001 304
18		
19	0036 304	
20		304

SHELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE
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02	005A 1288
	005C 1289
03	0061 1291
04	0062 1293
	0062 1294
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05	0040 1296
	0020 1297
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08	0080 1305
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	0003 1330
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	0006 1335
	0008 1336
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	000F 1338
	0010 1339
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	1340 **

15	0002 3004 TUBLDOS EQU X'02'	. SYSTEM/SYSLOG DISPLAY HAS BEEN SAVED
	0001 3005 TUBIDEL EQU X'01'	. I DELETE FUNCTION IS INACTIVE
16	0074 3007 TUBATTS EQU TUBATTS+1	RELEASE INDICATORS
	0000 3009 TUBDNY EQU X'00'	. RESTORE-Y ON OCL STATEMENT
	0040 3090 TUBDNY EQU X'40'	. RESTORE-N ON OCL STATEMENT
17	002C 3091 TUBLOP EQU X'20'	. LAST OP TO THE TUB HAS A PUT
	0030 3092 TUBRSW EQU X'30'	. RELEASE STOP (BY HAND)
	000F 3093 TUBRSF EQU X'0F'	. RELEASE STOP (BY FAILED)
18	0004 3094 TUBREL EQU X'04'	. TUB HAS BEEN RELEASED
	0002 3095 TUBSNG EQU X'02'	. SRT HAS RELEASED REQUESTOR
19	0001 3096 TUBDTRM EQU X'01'	. CALL TERMINATOR PRIOR TO RELEASE
20	003A 3098 TUBATTS6 EQU TUBATTS+1	

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SHLPL SYSTEM/34 HELP UTILITY		PAGE 32 NOV/11/81 12/05/81 12:00	
ENR LOC	OBJECT CODE	ADDR SYMT	SOURCE STATEMENT
02	1342 *		NCLCQ V-EQU 02040000
	1343 *		MESSAGE CONTROLLER PARAMETER LIST EQUATES
	1344 *		
03	0000 1345 NCLMSGN EQU 0		MESSAGE MEMBER IDENTIFIER BYTE
	1346 *		
04	0004 1347 NCLMEND EQU X'04'		.MENU MESSAGE MEMBER
	0000 1348 NCLMUSER EQU X'00'		.USER MESSAGE MEMBER
	0010 1349 NCLMPLNG EQU X'10'		.PROGRAM PRODUCT MESSAGE MEMBER
	0020 1350 NCLMEMOR EQU X'20'		.SYSTEM ERROR MESSAGE MEMBER
05	0040 1351 NCLMSG99 EQU X'40'		.MSG9 MESSAGE MEMBER
	0000 1352 NCLMHEAD EQU X'00'		.HEADINGS MESSAGE MEMBER
	1353 *		
06	0001 1354 NCLMSGN EQU NCLMSGN+1		MESSAGE LEVEL AND CONT'L BYTE
	1355 *		
07	0000 1356 NCLMLEV1 EQU X'00'		.OFF = FIRST LEVEL MESSAGE
	0001 1357 NCLMLEV2 EQU X'01'		.ON = SECOND LEVEL MESSAGE
	1358 *		
	1359 *		NOTE: NCLMNG2 AND NCLMDOCK ARE ONLY CHECKED ON IEC FEATURED SYSTEMS
	1360 *		
08	0002 1361 NCLMNG2 EQU X'02'		.ON = 2ND LANGUAGE REQUEST
	1362 *		.OFF = 1ST LANGUAGE REQUEST
09	0004 1363 NCLMDOCK EQU X'04'		.ON = RETRIEVE FROM LANG2 IF TCMTAB IN IEC SESSION
	1364 *		
	1365 *		.OFF = RETRIEVE USES NCLMNG2 SETTING AS THE RETRIEVAL INDICATOR
	1366 *		
	1367 *		
11	0003 1368 NCLMIDC EQU NCLMSGN+2		MESSAGE IDENTIFICATION CODE
	1369 *		
	0005 1370 NCLMADDR EQU NCLMIDC+2		ADDRESS OF BUFFER FOR MESSAGE
	1371 *		
12	0006 1372 NCLDLGTH EQU NCLMADDR+1		LENGTH OF MESSAGE ACCESSED
	1373 *		LENGTH EXCLUDES TRAILING BLANKS
13	0040 1374 NCLML1DF EQU 75		.DEFAULT LEVEL 1 MESSAGE LENGTH
	00E1 1375 NCLML2DF EQU 225		.DEFAULT LEVEL 2 MESSAGE LENGTH
	0078 1376 NCLMPLDF EQU 120		.DEFAULT MENU LENGTH
	1377 *		
14	0008 1378 NCLDJCIB EQU NCLDLGTH+2		ADDR OF JOB WHICH CONTAINS SSS
	1379 *		
15	FFFF 1380 NCLDJCID EQU X'FFFF'		.DEFAULT VALUE, MSG RETRIEVE
	1381 *		.WILL USE CURRENT JOB ADDR
	000A 1382 NCLDRETN EQU NCLDJCID+2		RET RN CODE
16	FFFF 1383 NCLDNRN1 EQU X'FFFF'		.NORMAL COMPLETION = 'FFFF'
	1384 *		.OR X'0000'(SEE NOTE BELOW)
	1385 *		.IF RETURN CODE IS NOT 'FFFF'
	1386 *		.OR X'0000' THEN RETURN CODE
17	1387 *		.FIELD WILL CONTAIN A POC #
	1388 *		.DESCRIBING THE ERROR.
	1389 *		
18	0008 1390 NCLDNCTL EQU NCLDRETN+1		ACTUAL LENGTH OF MESSAGE
	1391 *		
19	000C 1392 NCLDCLAS EQU NCLDNCTL+1		RESERVED
	1393 *		
	000D 1394 NCLDINTL EQU NCLDCLAS+1		RESERVED
20	0000 1395 NCLDUSAR EQU NCLDINTL		USER AUTO RESPONSE VALUES

15	0047 3139 TUBHELP1 EQU TUBATTR0+2	HELP KEY MIC AREA
	0047 3140 TUBSCHNR EQU TUBHELP1	OR GAIJI CHARACTER ON AID REQUEST
16	0048 3142 TUBATTR9 EQU TUBHELP1+1	ATTRIBUTE BYTE 8
17	0080 3144 TUBBADGE EQU X'00'	. THIS TUB HAS BADGE SECURITY
	0040 3145 TUB960 EQU X'40'	. THIS TUB IS FOR A 960 CHAR SCREEN
	0020 3146 TUBMENU2 EQU X'20'	. DISPLAY PAGE 2 OF MENU ON 960
18	0010 3147 TUBINTSC EQU X'10'	. INT SECURITY SWITCH
	0008 3148 TUBSVRD EQU X'08'	. REJECT IN READY FUNCTION
	0004 3149 TUBSVR1 EQU X'04'	. ERROR DURING SAVE - STATUS OR CNVL SVRLG
19	0002 3150 TUBSVR2 EQU X'02'	. ERROR DURING SAVE - SYS REQ OR INQUIRY
	0001 3151 TUBRDYPD EQU X'01'	. READY TASK IS PENDING
20	3153 *	REJECT FILE INDEX

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02040000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	0000	1396	MCLMVAR0	EQU X'00'	AUTO RESPONSE VALUE OF 0
	0001	1397	MCLMVAR1	EQU X'01'	AUTO RESPONSE VALUE OF 1
	0002	1398	MCLMVAR2	EQU X'02'	AUTO RESPONSE VALUE OF 2
03	0003	1399	MCLMVAR3	EQU X'03'	AUTO RESPONSE VALUE OF 3
	0004	1400	MCLMVAR0	EQU X'04'	AUTO RESPONSE VALUE OF D
					1401 *
04	000E	1402	MCLDOPTS	EQU MCLDINTL+1	RESERVED
					1403 *
	000F	1404	MCLDPLGH	EQU MCLDOPTS+1	LENGTH OF MCLDQ PARAM LIST
05					1405 *****
	1406 *				NOTE : NORMAL COMPLETION-X'FFFF' (REQ LENGTH >= ACTUAL LENGTH)
	1407 *				NORMAL COMPLETION-X'0000' (REQ LENGTH < ACTUAL LENGTH)
06	1408 *				IF MESSAGE LENGTH REQUESTED IS LESS THAN ACTUAL MESSAGE
	1409 *				RECORD LENGTH, MESSAGE RETRIEVE WILL RETURN X'0000'
07	1410 *				IN PARAM LIST. HOWEVER THE CALLER'S OUTPUT BUFFER
	1411 *				WILL CONTAIN THE MESSAGE REQUESTED TRUNCATED TO THE
	1412 *				LENGTH SPECIFIED BY THE CALLER. ACTUAL MESSAGE RECORD
08	1413 *				LENGTH WILL BE PASSED BACK IN LAST BYTE OF PARAM LIST.
	1414 *				
	1415 *				ON ALL ERROR MIC'S RETURNED BY MESSAGE RETRIEVE
09	1416 *				THE CALLER'S OUTPUT BUFFER WILL NOT CONTAIN ANY PART
	1417 *				OF THE MESSAGE RECORD.
	1418				*****
10	1419				*** END OF EXPANSION ***

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15	0008 3192 TUBHELP EQU X'08'	ENABLE RECORD BACKSPACE KEY
	0004 3193 TUBRCBK EQU X'04'	ENABLE HELP KEY
	3194 * EQU X'02'	RESERVED
	3195 * EQU X'01'	RESERVED
16	0053 3196 TUBDXTa EQU TUBFMSK*2	REMOTE WORKSTATIONS TUB (RMSTB)
	3197 * NOTE: THE ABOVE EQUATE IS THE DISPLAY STATION TUB POINTER	
	3198 * TO THE RMS TUB. SEE PRINTER EQUATES FOR THE PRINTER	
17	3199 * TUB'S POINTER TO THE RMS TUB.	
	0054 3200 TUBATTRA EQU TUBDXTa*1	ATTRIBUTE BYTE 10
	0080 3201 TUBCLRAD EQU X'80'	. CLEAR AIDS
18	0040 3202 TUBSLOCK EQU X'00'	. LOCK CONTROL
	0020 3203 TUBOFF EQU X'20'	. OFF OCL STATEMENT RECEIVED
19	0010 3204 TUBHOLD EQU X'10'	. HOLD PARAMETER FOR OFF COMMAND (ON)
	3205 *	NOTE THAT IF THIS BIT IS NOT ON
	3206 *	IT INDICATES THE DROP PARAMETER
20	0008 3207 TUBSUBCN EQU X'08'	. SUBCONSOLE WORKSTATION

C01

SHE.P SYSTEM/34 HELP UTILITY		PAGE 34 V09/11/81 12/05/81 12:00		SHE.P SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		1421 *	NUCEQ		02060000
		1422 *	*****		
		1423 *	MAIN STORAGE NUCLEUS *		
03		1424 *	*****		
		1425 *	*****		
04		1426 *	ADDR	NAME	SIZE (HEX) SIZE (DEC) LABEL *
		1427 *	*****		
		1428 *	0000	FIXED NUCLEUS	1000 4096 NUFIXNUC *
		1429 *	*****		
05		1430 *	*****		
		1431 *	0000	SYSTEM COMMUNICATION AREA	0100 256 NURSCA *
		1432 *	*****		
06		1433 *	0100	ACE QUEUE HEADERS	00C0 192 NURACEQH *
		1434 *	*****		
		1435 *	01C0	MULTI-PURPOSE IOB	C020 32 NURMPIOB *
		1436 *	*****		
07		1437 *	01E0	CS TRANSIENT LOADER IOB	0020 32 NURCKIOB *
		1438 *	*****		
08		1439 *	0200	COMMAND PROCESSOR TCB	0080 128 NURCPTCB *
		1440 *	*****		
		1441 *	0280	TASK WORK AREA INDEX	0023 35 NURTWAXL *
		1442 *	*****		
09		1443 *	02A3	TASK WORK AREA QUEUE HDR	0005 5 NURTWAPQ *
		1444 *	*****		
10		1445 *	02A8	DISKETTE ERROR LOG AREA	0038 56 NURDRIOB *
		1446 *	*****		
		1447 *	02E0	SYSTEM LIBRARY FORMAT-1	0020 32 NURPLBF1 *
		1448 *	*****		
11		1449 *	0300	A/D TRACE ACE	0010 16 NURTRACE *
		1450 *	*****		
12		1451 *	0310	ALTERNATE SECTION ACE	0010 16 NURERACE *
		1452 *	*****		
		1453 *	0320	STATISTICAL LOGOUT ACE	0010 16 NURLGACE *
		1454 *	*****		
13		1455 *	0330	INTERVAL TIMER ACE	0010 16 NURITACE *
		1456 *	*****		
14		1457 *	0340	MSP ERROR ACE	0010 16 NURMPACE *
		1458 *	*****		
		1459 *	0350	SWAP ACE	0010 16 NURSWACE *
		1460 *	*****		
15		1461 *	0360	MS TRANSIENT LOADER ACE	0010 16 NURMPACE *
		1462 *	*****		
16		1463 *	0370	DISKETTE ERROR ACE	0010 16 NURTEACE *
		1464 *	*****		
		1465 *	0380	ERROR TASK-TASK ACE	0010 16 NURCSETC *
		1466 *	*****		
17		1467 *	0390	DISPATCHER TQE	0008 8 NURDSTQE *
		1468 *	*****		
18		1469 *	0398	MIDNIGHT TQE	0008 8 NURMNTQE *
		1470 *	*****		
19		1471 *	03A0	STATISTICAL LOGGING TQE	0008 8 NURDLTQE *
		1472 *	*****		
		1473 *	03A8	SQS FAILURE TQE	0008 8 NURATQE *
		1474 *	*****		

B01

01	LYC7 - 1364 - 7	IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT		
	29 JANUARY 82	PROGND 5726-SS1	REL: R08-100	
02	COPYRIGHT IBM CORP.	1978	LICENSED MATERIAL - PROPERTY OF IBM	
03	*****	*****	*****	*****

01	SHELP 12/05/81 09:32
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15	3244 *								
16	0026 3246 TUBPEXTA EQU TUBCOPDN+2	RENDE WORKSTATION TUB ADDRESS (PRINTERS)							
	0027 3247 TUBPRESV EQU TUBPEXTA+1	RESERVED BYTE							
	0028 3248 TUBPFIND EQU TUBPRESV+4	FORMS NUMBER							
17	002C 3249 TUBPFILN EQU TUBPFIND+1	FORMS LENGTH (LINES/PAGE)							
	002D 3250 TUBPCRLN EQU TUBPFILN+1	CURRENT LINE							
	002E 3251 TUBPKPP EQU TUBPCRLN+1	MAX PRINT POSITION (HORIZONTAL)							
18	002F 3252 TUBPRST EQU TUBPKPP+1	PRINTER STATUS BYTE							
	0080 3253 TUBSPUM EQU X'80'	. POST USER ON ERROR MESSAGE							
	0040 3254 TUBSDPST EQU X'40'	. PRINTER PAST READY							
19	0020 3255 TUBSEXTD EQU X'20'	. THIS PRINTER TUB HAS AN ADDITION							
	3256 * EQU X'10'	. RESERVED							
	3257 * EQU X'08'	. RESERVED							
20	3258 * EQU X'04'	. RESERVED							

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02600000		1475	* 0380	TERMINATION DUMP IOB	0020	32	NULDPIOB *	
		1476	*				*	
		1477	* 03D0	TERMINATION DUMP ACE	0010	16	NULDSPACE *	
		1478	*				*	
		1479	* 03E0	PERMANENT SWAP ACE	0010	16	NULDSPACE *	
		1480	*				*	
		1481	* 03F0	IPL ASSIGN/FREE AREA	0310	784	NULDPLAF *	
		1482	*				*	
		1483	* 0700	TRACE LOGOUT BUFFER AND	0100	256	NULDTRBUF *	
		1484	*				*	
		1485	* 0700	ALTER/DISPLAY WORK AREA	00C0	192	NULDADARK *	
		1486	*				*	
		1487	* 07C0	IMPL ERROR LOG SAVE AREA	0040	64	NULDADZK *	
		1488	*				*	
		1489	* 0800	MS TRANSIENT AREA	0800	2048	NULDXTENT *	
		1490	*				*	
		1491	*	*****			*	
		1492	*	*****			*	
		1493	* 1000	VARIABLE NUCLEUS			NULDARNUC *	
		1494	*	*****			*	
		1495	*	*****			*	
		1496	* 2000	LOAD ADDRESS FOR IPL DISKETTE			NULDLOADI *	
		1497	*	*****			*	
		1498	*	*****			*	

BO2

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 35	V09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE	ADDR	
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\$HELP 12/05/81 09:32

4500 SYMBOL VERSION OF THE
YOU USED 2423 SYMBOLS.
LENGTH OF MODULE IS 6624

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\$HELP SYSTEM/34 HELP UTILITY

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
		1500	*		*
	0000	1501	NUFIXNUC	EQU	X'000' MAIN STORAGE NUCLEUS - FIXED AREA
		1502	*		
	0000	1503	NUBSCA	EQU	NUFIXNUC SYSTEM COMMUNICATION AREA
	0100	1504	NULSCA	EQU	256 * (LENGTH OF AREA)
		1505	*		
	0100	1506	NUBACEQH	EQU	NUBSCA+NULSCA SYSTEM QUEUE HEADERS
	0000	1507	NULACEQH	EQU	192 * (LENGTH OF AREA)
		1508	*		
	0100	1509	NUMPJOB	EQU	NUBACEQH+NULACEQH MULTI-PURPOSE JOB
	0020	1510	NULENJOB	EQU	32 * (LENGTH OF A DISK JOB)
		1511	*		
	0100	1512	NUMCJOB	EQU	NUMPJOB+NULENJOB CS TRANSIENT LOADER JOB
		1513	*		
	0200	1514	NUMCPTCB	EQU	NUMCJOB+NULENJOB COMMAND PROCESSOR TCB
	0002	1515	NUMCPTH	EQU	X'02' COMMAND PROCESSOR TCB (HIGH)
	0080	1516	NULCPTCB	EQU	128 * (LENGTH OF AREA)
		1517	*		
	0280	1518	NUMTAXL	EQU	NUMCPTCB+NULCPTCB TASK WORK AREA INDEX (LEFT)
	0023	1519	MULTWAX	EQU	35 (LENGTH OF AREA)(280 ENTRIES)
	02A2	1520	NUMTAXR	EQU	NUMTAXL+MULTWAX-1 TASK WORK AREA INDEX (RIGHT)
		1521	*		
	1522	*	NOTE:	TASK WORK AREA SPACE IS INDICATED BY 8 TRACKS PER	
	1523	*		BYTE. THE RIGHT BYTE INDICATES THE START OF THE TASK	
	1524	*		WORK AREA ON THE DISK.	
	1525	*			
	02A3	1526	NUMTWAQ	EQU	NUMTAXL+MULTWAX TASK WORK AREA QUEUE ELEMENT
	0005	1527	MULTWAQ	EQU	5 (LENGTH OF AREA)
		1528	*		
	02A8	1529	NUMRJOB	EQU	NUMTWAQ+MULTWAQ SYSTEM DISKETTE JOB/LOGOUT AREA
	0038	1530	NULRJOB	EQU	56 * (LENGTH OF AREA)
		1531	*		
	02E0	1532	NUMLBF1	EQU	NUMRJOB+NULRJOB *LIBRARY RESIDENT FORMAT-1
	0020	1533	NULLBF1	EQU	32 * (LENGTH OF AREA)
		1534	*		
	0300	1535	NUMTRACE	EQU	NUMLBF1+NULLBF1 TRACE LOGOUT ACE
	0010	1536	NULACE	EQU	16 * (LENGTH OF AN ACE)
		1537	*		
	0310	1538	NUMERACE	EQU	NUMTRACE+NULACE ALTERNATE SECTOR ACE
		1539	*		
	0320	1540	NUMLGACE	EQU	NUMERACE+NULACE STATISTICAL LOGGING ACE
		1541	*		
	0330	1542	NUMTIACE	EQU	NUMLGACE+NULACE INTERVAL TIMER ACE
		1543	*		
	0340	1544	NUMP	EQU	NUMTIACE+NULACE MSP PROC CHECK ERROR HANDLER ACE
		1545	*		
	0350	1546	NUMSWACE	EQU	NUMP+NULACE ACE FOR SWAP JOB
		1547	*		
	0360	1548	NUMXACE	EQU	NUMSWACE+NULACE ACE FOR MS XIENT SCHEDULER
		1549	*		
	0370	1550	NUMTEACE	EQU	NUMXACE+NULACE ACE FOR DISKETTE ERP
		1551	*		
	0380	1552	NUMCSETC	EQU	NUMTEACE+NULACE CS TASK-TASK ERROR ACE
		1553	*		

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4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.	
YOU USED	2423 SYMBOLS.
LENGTH OF MODULE IS	6624

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15	0038 3323 TWAMPXLAT EQU	56	TAG 56- TRANSLATE TABLE AREA
	0039 3324 TWAMPXPRG EQU	57	TAG 57- DUAL MESSAGE ROUTING AREA
	3325 *	58	TAG 58- RESERVED THRU 59
	3326 *		
16	3327 * COMMAND PROCESSOR TAGS		
	3328 *		
	0000 3329 TWAMPXUSE EQU	00	TAG 00- NOT USED
17	0001 3330 TWAMPXSC01 EQU	01	TAG 01- SYSTEM CONSOLE IMAGE
	3331 *	07	TAG 07- END
	0014 3332 TWAMPXCEND EQU	20	NUMBER OF IMAGES
18	0008 3333 TWAMPXQ01 EQU	08	TAG 08- MESSAGE QUEUE
	3334 *	13	TAG 13- END OF MESSAGE QUEUE TAGS
	000E 3335 TWAMPXCURI EQU	14	TAG 14- CURRENT SYSTEM PRINTER IMAGE
19	000F 3336 TWAMPXCSV EQU	15	TAG 15- SYSTEM CONSOLE SAVE/RESTORE AREAS
	000F 3337 TWAMPXCSL EQU	15	CONSOLE SAVE AREA (15-26)
20	001B 3338 TWAMPXSSA EQU	27	WORKSTATION SAVE AREA (27-38)

C04

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		0390 1554	NUMDSTQE EQU	NUMCSETC+MULACE	DISPATCHER TQE	
		0008 1555	MULTQE EQU	8	* (LENGTH OF A TQE)	
		1556 *				
03		0398 1557	NUMMNTQE EQU	NUMDSTQE+MULTQE	MIDNIGHT TQE	
		1558 *				
04		03A0 1559	NUMDLTQE EQU	NUMMNTQE+MULTQE	STATISTICS DATA LOG TIME Q ELEMENT	
		1560 *				
		03A8 1561	NUMATQE EQU	NUMDLTQE+MULTQE	ASSIGN/FREE FAILUTE TIME Q ELEMENT	
		1562 *				
05		03B0 1563	NUMDPTOB EQU	NUMATQE+MULTQE	TERMINATION DUMP IOB	
		1564 *				
06		03D0 1565	NUMDSPACE EQU	NUMDPTOB+NUMENIOB	TERMINATION DUMP ACE	
		1566 *				
		03E0 1567	NUMSPACE EQU	NUMDSPACE+MULACE	PERMANENT SWAP ACE	
		1568 *				
07		03F0 1569	NUMIPLAF EQU	NUMSPACE+MULACE	FIXED NUCLEUS FREE AREA #1	
		1570 *				
		1571			*****	
		1572 *				
08		0800 1573	NUMXIENT EQU	2048	MS TRANSIENT AREA	
		0800 1574	MULXIENT EQU	2048	* (LENGTH OF AREA)	
		1575 *				
09		0100 1576	MULTRBUF EQU	256	LENGTH OF TRACE BUFFER	
		0700 1577	MULTRBUF EQU	NUMXIENT-MULTRBUF	TRACE LOGOUT BUFFER	
		1578 *				
		0700 1579	MULADWRK EQU	MULTRBUF	ALTER/DISPLAY WRK AREA	
		00C0 1580	MULADWRK EQU	192	* (LENGTH OF AREA)	
		1581 *				
		07C0 1582	MULBAD2K EQU	MULTRBUF+MULADWRK	IPL STORAGE ERROR SAVE AREA	
		1583 *				
12		0310 1584	MULIPLAF EQU	MULTRBUF-MULIPLAF	LENGTH OF IPL FREE AREA	
		1585 *				
		1586			*****	
		1587 *				
13		1000 1588	MULARNUC EQU	NUMXIENT+MULXIENT	MAIN STORAGE NUCLEUS - VARIABLE AREA	
		1589 *				
14		1000 1590	MULMSSQS EQU	MULARNUC	FIXED NUCLEUS FREE AREA #2	
		1000 1591	MULMSSQS EQU	4096	DEFAULT LENGTH FREE AREA #2	
		1592 *				
15		2000 1593	MULLOADI EQU	MULMSSQS+MULMSSQS	LOAD ADDRESS WHEN IPL DISKETTE	
		1594 *				
		1595			*** END OF EXPANSION **	

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\$HELP SYSTEM/34 HELP UTILITY				PAGE 1	09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		3	*/		START OF SPECIFICATIONS *****	00040000
		4	*/	8	*/	00050000
03		5	*/		MODULE NAME = \$HELP	00060000
		6	*/			00070000

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\$HELP SYSTEM/34 HELP UTILITY				PAGE 37	09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		0390 1554	NUMDSTQE EQU	NUMCSETC+MULACE	DISPATCHER TQE	
		0008 1555	MULTQE EQU	8	* (LENGTH OF A TQE)	
		1556 *				
03		0398 1557	NUMMNTQE EQU	NUMDSTQE+MULTQE	MIDNIGHT TQE	
		1558 *				
04		03A0 1559	NUMDLTQE EQU	NUMMNTQE+MULTQE	STATISTICS DATA LOG TIME Q ELEMENT	
		1560 *				
		03A8 1561	NUMATQE EQU	NUMDLTQE+MULTQE	ASSIGN/FREE FAILUTE TIME Q ELEMENT	
		1562 *				
05		03B0 1563	NUMDPTOB EQU	NUMATQE+MULTQE	TERMINATION DUMP IOB	
		1564 *				
06		03D0 1565	NUMDSPACE EQU	NUMDPTOB+NUMENIOB	TERMINATION DUMP ACE	
		1566 *				
		03E0 1567	NUMSPACE EQU	NUMDSPACE+MULACE	PERMANENT SWAP ACE	
		1568 *				
07		03F0 1569	NUMIPLAF EQU	NUMSPACE+MULACE	FIXED NUCLEUS FREE AREA #1	
		1570 *				
		1571			*****	
		1572 *				
08		0800 1573	NUMXIENT EQU	2048	MS TRANSIENT AREA	
		0800 1574	MULXIENT EQU	2048	* (LENGTH OF AREA)	
		1575 *				
09		0100 1576	MULTRBUF EQU	256	LENGTH OF TRACE BUFFER	
		0700 1577	MULTRBUF EQU	NUMXIENT-MULTRBUF	TRACE LOGOUT BUFFER	
		1578 *				
		0700 1579	MULADWRK EQU	MULTRBUF	ALTER/DISPLAY WRK AREA	
		00C0 1580	MULADWRK EQU	192	* (LENGTH OF AREA)	
		1581 *				
		07C0 1582	MULBAD2K EQU	MULTRBUF+MULADWRK	IPL STORAGE ERROR SAVE AREA	
		1583 *				
12		0310 1584	MULIPLAF EQU	MULTRBUF-MULIPLAF	LENGTH OF IPL FREE AREA	
		1585 *				
		1586			*****	
		1587 *				
13		1000 1588	MULARNUC EQU	NUMXIENT+MULXIENT	MAIN STORAGE NUCLEUS - VARIABLE AREA	
		1589 *				
14		1000 1590	MULMSSQS EQU	MULARNUC	FIXED NUCLEUS FREE AREA #2	
		1000 1591	MULMSSQS EQU	4096	DEFAULT LENGTH FREE AREA #2	
		1592 *				
15		2000 1593	MULLOADI EQU	MULMSSQS+MULMSSQS	LOAD ADDRESS WHEN IPL DISKETTE	
		1594 *				
		1595			*** END OF EXPANSION **	

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\$HELP SYSTEM/34 HELP UTILITY				PAGE 1	09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		3	*/		START OF SPECIFICATIONS *****	00040000
		4	*/	8	*/	00050000
03		5	*/		MODULE NAME = \$HELP	00060000
		6	*/			00070000

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0000 3392 RSLALC EQU X'0'
000E 3393 RSLALC EQU X'0'
000F 3394 RINFO EQU X'0'
0010 3395 RYFORD EQU X'0'
0011 3396 RSNAP EQU X'0'
0012 3397 RPHALT EQU X'0'
0013 3398 RDPICALL EQU X'0'
0014 3399 RPPALGN EQU X'0'
0015 3400 RCPRT EQU X'0'
0016 3401 RLOPEN EQU X'0'
0017 3402 RASDM EQU X'0'
0018 3403 RASDM EQU X'0'
0019 3404 RFTNDL8 EQU X'0'
001A 3405 RAFA EQU X'0'
001B 3406 RSPDOL EQU X'0'
001C 3407 RSPALC EQU X'0'

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02		1597 *	PPSEQ		02080000
		1598	*****		
03		1599 *			
		1600 *	THE PROCEDURE PARAMETER SAVE AREA	*	
		1601 *		*	
		1602	*****		
04		0000 1604	PPSTAGID EQU 0	SECTOR TAG FOR TUNG/TUNP	
05		0001 1606	PPSFLAG1 EQU PPSFLAG1+1	FLAGE BYTE	
		0080 1607	PPSCPB1T EQU X'80'	PROCEDURE IS SCP	
06		0040 1608	PPSEDFSG EQU X'40'	EDF RECEIVED FROM SOURCE GET	
		0020 1609	PPSNLOG EQU X'20'	DO NOT LOG TO HISTORY FILE	
07		0003 1611	PPSSBEG EQU PPSFLAG1+2	SOURCE-GET BEGINNING ADDRESS	
08		0005 1613	PPSPRG1M EQU PPSBEG+2	PROGRAM1 MESSAGE MEMBER @ SAVE AREA	
		0007 1614	PPSPRG2M EQU PPSBEG+2	PROGRAM2 MESSAGE MEMBER @ SAVE AREA	
		0009 1615	PPSR1M EQU PPSBEG+2	USER1 MESSAGE MEMBER @ SAVE AREA	
		000B 1616	PPSR2M EQU PPSBEG+2	USER2 MESSAGE MEMBER @ SAVE AREA	
09		000D 1617	PPSPRG1L EQU PPSBEG+2	PROGRAM1 LIBRARY F1 @ SAVE AREA	
		000F 1618	PPSPRG2L EQU PPSBEG+2	PROGRAM2 LIBRARY F1 @ SAVE AREA	
		0011 1619	PPSR1L EQU PPSBEG+2	USER1 LIBRARY F1 @ SAVE AREA	
		0013 1620	PPSR2L EQU PPSBEG+2	USER2 LIBRARY F1 @ SAVE AREA	
10		0015 1622	PPSLIBRA EQU PPSBEG+2	CURRENT LIBRARY F1 @ SAVE AREA	
11		0018 1624	PPSSGED0 EQU PPSLIBRA+3	SOURCE-GET END ADDRESS	
		001B 1625	PPSSGCR1 EQU PPSLIBRA+3	SOURCE-GET CURRENT ADDRESS	
12		0019 1626	PPSCRT1 EQU PPSGCR1-2	* FIRST BYTE OF CURRENT ADDRESS	
		001B 1627	PPSCRT2 EQU PPSGCR1	* 2ND 3RD BYTES OF CURRENT ADDR	
		001D 1628	PPSSGBUF EQU PPSGCR1+2	SOURCE-GET CURRENT BUFFER ADDRESS	
		001E 1629	PPSSGLNR EQU PPSGCR1+1	SOURCE-GET LENGTH OF RECORD	
13		001F 1631	PPSUPSI EQU PPSGLNR+1	UPSI SWITCHES	
14		0027 1633	PPSPNAME EQU PPSUPSI+8	PROCEDURE NAME	
15		002F 1635	PPSWAR01 EQU PPSNAME+8	VARIABLE 1	
16		0037 1637	PPSWAR02 EQU PPSWAR01+8	VARIABLE 2	
17		0047 1641	PPSWAR04 EQU PPSWAR03+8	VARIABLE 4	
18		004F 1643	PPSWAR05 EQU PPSWAR04+8	VARIABLE 5	
19		0057 1645	PPSWAR06 EQU PPSWAR05+8	VARIABLE 6	
		005F 1647	PPSWAR07 EQU PPSWAR06+8	VARIABLE 7	
20		0067 1649	PPSWAR08 EQU PPSWAR07+8	VARIABLE 8	

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SHELP SYSTEM/34 HELP UTILITY			
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		006F 1651	PPSWAR09 EQU PPSWAR08+8
03		0077 1653	PPSWAR10 EQU PPSWAR09+8
		007F 1655	PPSWAR11 EQU PPSWAR10+8
04			1657 *** END OF EXPANSION

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02		56 */*	31. PROCESS PARAMETERS FOR ALTERSOL PROCEDURE	HE004500 */	00510000
		57 */*	32. PROCESS PARAMETERS FOR CATALOG PROCEDURE	HE004600 */	00520000
03		58 */*	33. PROCESS PARAMETERS FOR TOLIBR PROCEDURE	HE004700 */	00530000
		59 */*	34. PROCESS PARAMETERS FOR MRJE PROCEDURE	HE004800 */	00540000
		60 */*	35. CONVERT FORMAT NAME	HE004900 */	00550000

SHELP SYSTEM/34 HELP UTILITY			
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		110 */*	
		111 */*	EXTERNAL REFERENCE
03		112 */*	
		113 */*	ROUTINES = END-O
		114 */*	

15	0000 3392 R0ALOC EQU X'00'	DEALLOCATE
	000F 3394 RINFO EQU X'0F'	RETRIEVE SYSTEM INFORMATION
16	0010 3395 RVTORD EQU X'10'	VTOC READ/WRITE RD
	0011 3396 RSNMP EQU X'11'	SNMP DUMP
	0012 3397 RPHHLT EQU X'12'	RPG HALT
17	0013 3398 R0NCALL EQU X'13'	DATA MANAGEMENT CONTROLLER
	0014 3399 R0PALGN EQU X'14'	PRINTER ALIGNMENT
	0015 3400 RCPRT EQU X'15'	COMMAND PROCESSOR ROUTER
18	0016 3401 RLOPEN EQU X'16'	LIMITS OPEN
	0017 3402 RUSDM EQU X'17'	USER USDM REQUEST
	0018 3403 RUSDM EQU X'18'	SYSTEM USDM REQUEST
19	0019 3404 RFLDLTB EQU X'19'	USER LIBRARY FIND REQUEST
	001A 3405 RAFA EQU X'1A'	AFA ACCESS TRANSIENT
	001B 3406 RSP0OL EQU X'1B'	SPOOL INTERCEPT REQUEST
20	001C 3407 RSPALC EQU X'1C'	SPOOL ALLOCATE REQUEST

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ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	006F 1651 PPSWAR09 EQU PPSWAR08+8 VARIABLE 9
03	0077 1653 PPSWAR10 EQU PPSWAR09+8 VARIABLE 10
03	007F 1655 PPSWAR11 EQU PPSWAR10+8 VARIABLE 11
04	1657 *** END OF EXPANSION **

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ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	110 */*
02	111 */* EXTERNAL REFERENCE
03	112 */*
03	113 */* ROUTINES = END-OF-JOB
03	114 */* WORK STATION DATA MANAGEMENT

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*/ 00510000
 */ 00520000
 */ 00530000
 */ 00540000
 */ 00550000

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15	0042 3445 RMDNH EQU X'42'	USDM XIENT	
	0043 3446 RSPQNG EQU X'43'	SPOOL QUEUE MGMT XIENT	
	0043 3447 RXTEND EQU RSPQNG	LAST VALID ENTRY	
16	0110 3449 XFLENBYT EQU RXTEND*4+4	LENGTH OF XFER TABLE (BYTES)	C830 C2 01 2000
	0088 3450 XFLENWRD EQU RXTEND*2+2	LENGTH OF XFER TABLE (WORDS)	C834 C0 07 0900
	3451 *** END OF EXPANSION **		
17			
18			
19			
20			

C07

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					SHELP SYSTEM/34 HELP UTILITY	PAGE 40 V09/11/81 12/05/81 12:00
02		1659 *		PRSF		02100000
		1660 *				
03		1661 *			USER PROFILE DATA RECORD DISPLACEMENTS AND BIT MASKS	
		1662 *				
04	0007	1663	PRSFUSD	EQU 7	USER ID	
	0008	1664	PRSFPRS	EQU 11	PASSWORD	
	000C	1665	PRSFCLS	EQU 12	SECURITY CLASSIFICATION	
	0080	1666	PRSFPS	EQU X'80'	- MASTER SECURITY OFFICER	
	0040	1667	PRSFSD	EQU X'40'	- SECURITY OFFICER	
	0020	1668	PRSFOP	EQU X'20'	- SYSTEM OPERATOR	
	0014	1669	PRSFSC	EQU X'14'	- SUBCONSOLE OPERATOR	
	C310	1670	PRSFAS	EQU X'10'	- ADMINISTRATION OPERATOR	
	0008	1671	PRSFPM	EQU X'08'	- USER RESTRICTED TO MENU	
	0002	1672	PRSFSAID	EQU X'02'	-SERVICE AID AUTHORIZATION	
	0008	1673	PRSFPSK	EQU X'08'	- PSK TO CLR ALL BUT CLASS	
	0020	1674	PRSFUSR	EQU 32	COMMENT FIELD	
	0028	1675	PRSFBDG	EQU 40	USER BADGE ID	
	002E	1676	PRSFMEN	EQU 46	MENU NAME	
	0036	1677	PRSFLIB	EQU PRSFMEN*8	LIBRARY NAME	
	0040	1678	PRSFILG	EQU 64	USER PROFILE RECORD LENGTH	
		1679 *				
09		1680 *			*PRSD PARAMETER LIST DISPLACEMENTS AND BIT MASKS	
		1681 *				
	0000	1682	PRSFCCD	EQU 0	COMPLETION CODE	
	0040	1683	PRSFNPL	EQU X'40'	- NORMAL	
	0041	1684	PRSF1OR	EQU X'41'	- PERMANENT I/O ERROR	
	0042	1685	PRSFNF	EQU X'42'	- RECORD NOT FOUND	
	0043	1686	PRSFPPU	EQU X'43'	- INCORRECT PASSWORD	
	0044	1687	PRSF1ST	EQU X'44'	- PASSWORD SECURITY FILE LOST	
	0045	1688	PRSFBDG	EQU X'45'	- INCORRECT BADGE ID	
	0046	1689	PRSFNSF	EQU X'46'	- RESOURCE SECURITY FILE LOST	
	0001	1690	PRSFCLAS	EQU 1	SECURITY CLASS RETURNED	
	0003	1691	PRSF1OR	EQU 3	I/O AREA ADDRESS	
	0004	1692	PRSFILG	EQU 4	INPUT PARAMETER LIST LENGTH	
		1693 *				
		1694 *			I/O AREA OFFSETS ON INPUT TO *PRSD	
		1695 *				
	0014	1696	PRSFBDG	EQU 20	BADGE ID OFFSET IN *PRSD I/O AREA	
	0009	1697	PRSF1OR	EQU 9	LENGTH OF BADGE ID IN *PRSD I/O AREA	
		1698 *				
		1699 *			I/O AREA OFFSETS ON RETURN FROM *PRSD	
		1700 *				
	0007	1701	PRSFMENR	EQU 7	DEFAULT/MANDATORY MENU NAME	
	000F	1702	PRSF1BR	EQU PRSFMENR*8	DEFAULT SESSION LIBRARY NAME	
		1703	***		END OF EXPANSION **	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					SHELP SYSTEM/34 HELP UTILITY	PAGE 4 V09/11/81 12/05/81 12:00
02	01000000	164	*/		ENTER VALID NUMBER	*/ 01520000
	01010000	165	*/		MIC 2005 - I/O ERROR OCCURRED--PRESS ERROR	*/ 01530000
	01020000	166	*/		RESET TO CONTINUE	*/ 01540000
	01030000	167	*/		MIC 2006 - CANNOT PLACE JOB ON INPUT JOBQ	*/ 01550000
	01040000	168	*/			*/ 01560000

15	3487 * 3488 * 3489 *****	ERROR - SHELF UTILITY MUST BE RUN WITH A REQUESTOR	*	02570000 02590000	15
16	C830 C2 01 2000 C834 C0 87 0500	3491 HE000110 LA HEPC2000,IR1 3492 B HE000000	IR1 --> PIC 2000 CALL THE ERROR ROUTINE	02610000 02620000	16
17					17
18					18
19					19
20					20

C08

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	01
02	02100000	1705 *		SCAEQ		02120000
		1706	*****			
03		1707 *				
		1708 *		SYSTEM		
		1709 *				
04		1710 *		COMMUNICATION AREA		
		1711 *				
		1712	*****			
05		0000 1714	SCASYS	EQU	0 . BEGINNING OF SYSTEM COMM	
		1715 *				
06		0001 1716	SCADDMIC	EQU	SCASYS+1 . ABNORMAL TERMINATION ERROR MIC	0040
		1717 *			(WILL BE SEEN IN DUMP AREA ONLY)	0001
		1718 *				0041
07		0000 1719	SCADPSVC	EQU	SCASYS 3 DUMP SVC (LEFT HAND ADDRESS)	00C7
		0003 1720	SCADRSVC	EQU	SCADPSVC+3 3 TRANSIENT EXIT SVC (LEFT HAND)	00E1
		0005 1721	SCADSSVC	EQU	SCASYS+5 . SYSTEM SVC AREA	0001
		1722 *				
08		0006 1723	SCAVSIZE	EQU	SCADSSVC+1 1 MAIN STORAGE SIZE IN 2K BLOCKS	0010
		0000 1724	SCAV256K	EQU	X'80' . X'80' - 256K MAIN STORAGE (R7)	0005
		0040 1725	SCAV128K	EQU	X'40' . X'40' - 128K MAIN STORAGE	005A
09		0030 1726	SCAV96K	EQU	X'30' . X'30' - 96K MAIN STORAGE	
		0020 1727	SCAV64K	EQU	X'20' . X'20' - 64K MAIN STORAGE	0011
		0018 1728	SCAV48K	EQU	X'18' . X'18' - 48K MAIN STORAGE	0004
10		0010 1729	SCAV32K	EQU	X'10' . X'10' - 32K MAIN STORAGE	
		1730 *				0012
11		0000 1731	SCAZKBD	EQU	SCAVSIZE+2 2 ADDRESS OF BAD 2K BLOCKS SAVE	0000
		0000 1732	SCAZKOK	EQU	X'0000' . NO BAD 2K BLOCKS	
		1733 *				0020
12		000A 1734	SCADSPID	EQU	SCAZKBD+2 2 SPOOL INTERCEPT STORAGE ADDRESS	0010
		1735 *				
		000B 1736	SCADCFSZ	EQU	SCADSPID+1 1 CONFIGURATION RECORD SECTORS	000B
		1737 *				
13		000C 1738	SCAV2KMS	EQU	SCADCFSZ+1 1 NUMBER OF AVAILABLE 2K BLOCKS MS	0004
		1739 *			(MAIN STORAGE SIZE MINUS NUMBER	
		1740 *			OF BAD 2K BLOCKS)	0002
14		1741 *				
		000D 1742	SCAV#2K	EQU	SCAV2KMS+1 1 2K BLOCKS OF USER STORAGE	0001
		1743 *				
15		000E 1744	SCAVXRG	EQU	SCAV#2K+1 1 SWAPPABLE TASK REGION SIZE	0013
		1745 *				0000
16		000F 1746	SCADISK	EQU	SCAVXRG+1 1 DISK CONFIGURATION	0040
		0000 1747	SCADUAL	EQU	X'80' . MULTIPLE SPINDLE DISK (R7)	0020
		0000 1748	SCAZSPIN	EQU	X'80' . 2 SPINDLE DISK (R7)	0010
		0020 1749	SCAZSPIN	EQU	X'20' . 3 SPINDLE DISK (R7)	000B
17		0010 1750	SCAZSPIN	EQU	X'10' . 4 SPINDLE DISK (R7)	0008
		0040 1751	SCADICFG	EQU	X'40' . DISK CONFIG FLAG (R3)	0004
		1752 *			0 - SMALL CAPACITY DISK	
		1753 *			1 - LARGE CAPACITY DISK	
		1754	*****			
18		1755 *			THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL	0002
		1756 *			CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK.	0001
		1757	*****			
19		0081 1758	SCADSKS	EQU	X'81' . DISK STATUS BITS	0014
20						

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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	01
02	01520000	196	*****			01720000
	01530000	197 *				01730000
03	01540000	198 *		EXTRN'S AND ENTRY'S		01740000
	01550000	199 *				01750000

02570000	3527 *	SET INDICATOR IF IDIOGRAPHIC CHARACTER FEATURE NOT SUPPORTED *	02887000
02580000	3528 *		02887000
02590000	3529 *		02887000
02610000	C061 38 80 00D9	3531 HE000125 TBN NUBSCA-SCANDSPFF, SCANDKCF IBC FEATURE SUPPORTED ?	02887000
02620000	C065 F2 10 08	3532 JT HE000130 YES - CONTINUE	02887000
	C068 3C 4C D744	3534 MW1 HEIND** 76 SET FOR INDICATOR 76	02887000
	C06C C0 87 C034	3535 B HE001300 SET ON SFGR INDICATOR	02887000

C09

ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02		0001 1759	SCANDSIZ	EQU	X'01'						X'01' - DISK FILE SIZE
		1760 *									0 - 8 MEGABYTE DISK
		1761 *									1 - 12 MEGABYTE DISK
03		0081 1762	SCAMP27MG	EQU	X'81'						27 MEGABYTE DISK
		0001 1763	SCAMP13MG	EQU	1						13 MEGABYTE DISK
04		0000 1764	SCAMP08MG	EQU	0						8 MEGABYTE DISK
		1765 *									
		1766 *									
05		1767 *									THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A LARGE
		1768 *									CAPACITY DISK, ONE WITH 64 SECTORS PER TRACK.
		1769 *									
06		0040 1770	SCAMP2PC	EQU	X'40'						LARGE CAPACITY DISK (R31)
		0001 1771	SCAMP5MG	EQU	X'01'						65 MEGABYTE DISK (R31)
		0041 1772	SCAMP65M	EQU	X'41'						65 MEGABYTE DISK (R71)
07		00C1 1773	SCAMP130M	EQU	X'C1'						130 MEGABYTE DISK (R71)
		00E1 1774	SCAMP195M	EQU	X'E1'						195 MEGABYTE DISK (R71)
		0001 1775	SCAMP260M	EQU	X'D1'						260 MEGABYTE DISK (R71)
		1776 *									
08		0010 1777	SCADPIND	EQU	SCADISK+1	1					SYSTEM/DUMP INDICATOR
		00A5 1778	SCADPDK	EQU	X'A5'						VALID DUMP
		005A 1779	SCADPUS	EQU	X'SA'						VALID DUMP - HAS BEEN ACCESSED
		1780 *									
09		0011 1781	SCACSIZ	EQU	SCADPIND+1	1					CONTROL STORAGE CONFIGURATION
		0004 1782	SCACS16K	EQU	X'D4'						X'D4' - 16K CONTROL STORAGE
		1783 *									
		0012 1784	SCADCFG1	EQU	SCACSIZ+1	1					SPOOL AND JOB INDICATORS
11		0080 1785	SCANNUTO	EQU	X'80'						X'80' - AUTO WRITER SUPPORTED
		1786 *									X'04' - RESERVED (R81)
		0020 1787	SCANSPP	EQU	X'20'						X'20' - SPOOL ALL PRINTERS (R81)
		0010 1788	SCANSACT	EQU	X'10'						X'10' - SPOOL IS ACTIVE
		1789 *									(SUPPORTED NOT CANCELLED)
		0008 1790	SCANDRAN	EQU	X'08'						X'08' - SPOOL COMPRESS RUN
		1791 *									REFORMAT SPOOL FILE AT IPL
13		0004 1792	SCALQHD	EQU	X'01'						X'04' - HOLD JOB QUEUE
		1793 *									DO NOT START AT IPL
14		0002 1794	SCALJQFH	EQU	X'02'						X'02' - REFORMAT JOBQ AT IPL
		1795 *									IF NOT IPL, INPUT JOB QUEUE
		1796 *									HAS BEEN POSTED
15		0001 1797	SCANSFB	EQU	X'01'						X'01' - ALLOCATE FILE ON 'B'
		1798 *									
		0013 1799	SCADCFG2	EQU	SCADCFG1+1	1					SSP CONFIGURATION OPTIONS
16		0080 1800	SCANDNAT	EQU	X'80'						COMMAND LANGUAGE
		0040 1801	SCAMPUSF	EQU	X'40'						PASSWORD SECURITY
		0020 1802	SCALJOBQ	EQU	X'20'						JOB QUEUE
17		0010 1803	SCANSPOL	EQU	X'10'						SPOOL
		0008 1804	SCANDWK	EQU	X'08'						DISPLAY STATION ON TRANSIENT
		0004 1805	SCANDMR	EQU	X'04'						DISPLAY STATION ON RESIDENT
		1806 *									
		1807 *									NOTE: IF 'DWRK DMR' BOTH =1
		1808 *									THEN RESIDENT/TRANSIENT
											VERSION OF DSM SELECTED.
19		0002 1809	SCANKYSG	EQU	X'02'						KEEP INFO. MESSAGES AT EDJ (R41)
		0001 1810	SCANENDE	EQU	X'01'						COMMAND LANGUAGE IS ENGLISH
		1811 *									
20		0014 1812	SCADCFG3	EQU	SCADCFG2+1	1					COMMUNICATIONS FEATURES (R31)

B09

ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
02		213 *			CYCL V-EQU						
03		215 *			PARAMETER LIST FOR THE COMMAND PROCESSOR SVC INTERFACE						

	02881400	14	
REPORTED *	02882100		
*	02882800		
*****	02883500	15	
?	02884900	16	
	02885600		
	02887000	17	
	02887700		

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	SHELPH SYSTEM/34 HELP UTILITY					PAGE 43 V09/11/81 12/05/81 12:00				
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT						
02		0080 1813	SCAMBSA EQU	X'80' . BSCA						
		0020 1814	SCAMSRJE EQU	X'20' . SRJE						
		0040 1815	SCAMPRIJE EQU	X'40' . PRIJE						
03		0010 1816	SCAMPMA EQU	X'10' . MA						
		0008 1817	SCAMRMS EQU	X'08' . RMS						
		0004 1818	SCAMPICS EQU	X'04' . SSP/ICF (R41						
04		0002 1819	SCAMPICAF EQU	X'02' . PILCA (R61						
		0001 1820	SCAMPITO EQU	X'01' . AUTOCALL (R61						
		1821 *								
05		0015 1822	SCAMBSV EQU	SCADCF63+1 1 SSP CONFIGURATION OPTIONS						
		0080 1823	SCAMPD32 EQU	X'80' X'80' - SINGLE PROGRAM MODE						
		0040 1824	SCAMPVFM EQU	X'40' . X'40' - PILCA SVF ACTIVE (R61						
06		0020 1825	SCAMPVF EQU	X'20' . X'20' - SVF ACTIVE (R41						
		0010 1826	SCAMPLOG EQU	X'10' . X'10' - CONSOLE SYSLOG POSTED						
		0008 1827	SCAMPFLG EQU	X'08' . X'08' - SECURITY						
07		0004 1828	SCAMPF6S EQU	X'04' . X'04' - BUILD CONFIG RECORDS						
		0002 1829	SCAMPFIE EQU	X'02' . X'02' - PID MODEL INDICATOR						
		0001 1830	SCAMPDEAD EQU	X'01' X'01' - DEDICATED EXECUTION						
08		1831 *								
		0016 1832	SCADREL# EQU	SCAMBSV+1 1 SYSTEM RELEASE LEVEL						
		0017 1833	SCAMPD# EQU	SCADREL#+1 1 SYSTEM MODIFICATION LEVEL						
09		1834 *								
		0018 1835	SCAMPCTR EQU	SCAMPD#+1 1 COMMUNICATIONS TRACE INDICATORS						
		0080 1836	SCAML4TX EQU	X'80' . EXTENDED TRACE LINE4 (R61						
10		0040 1837	SCAML3TX EQU	X'40' . EXTENDED TRACE LINE3 (R61						
		0020 1838	SCAML2TX EQU	X'20' . EXTENDED TRACE LINE2 (R41						
		0010 1839	SCAML1TX EQU	X'10' . EXTENDED TRACE LINE1 (R41						
11		0008 1840	SCAML4TR EQU	X'08' . TRACE COMMUNICATIONS LINE 4 (R61						
		0004 1841	SCAML3TR EQU	X'04' . TRACE COMMUNICATIONS LINE 3 (R61						
		0002 1842	SCAML2TR EQU	X'02' . TRACE COMMUNICATIONS LINE 2 (R31						
12		0001 1843	SCAML1TR EQU	X'01' . TRACE COMMUNICATIONS LINE 1						
		1844 *								
13		1845 *		THE FOLLOWING FIELDS DESCRIBE THE DISK ADDRESS (SS) AND						
		1846 *		SIZE (SECTORS) OF VARIOUS WORK AREAS ON THE DISK. WHERE						
		1847 *		POSSIBLE THE SS HAS BEEN DEFINED AS A 2 BYTE FIELD. THESE						
14		1848 *		FIELDS ARE ORDER DEPENDENT AND DESCRIBE A ONE-TO-ONE						
		1849 *		RELATIONSHIP WITH THE SYSTEM CONFIGURATION RECORD, PART-1.						
		1850 *								
15		001A 1851	SCASSMA EQU	SCAMPCTR+2 2 SS OF TASK WORK AREA						
		001C 1852	SCATWSZ EQU	SCASSMA+2 2 SIZE OF TASK WORK AREA						
		1853 *								
16		001E 1854	SCAFVTC EQU	SCATWSZ+2 2 SECTOR ADDRESS OF DISK VTC						
		0020 1855	SCAFVTQN EQU	SCAFVTC+2 2 SIZE OF DISK VTC						
		1856 *								
17		0022 1857	SCAIVTC EQU	SCAFVTQN+2 2 SS OF DISKETTE VTC WORK AREA						
		0023 1858	SCAIVTON EQU	SCAIVTC+1 1 SIZE OF DISKETTE VTC WORK AREA						
		1859 *								
18		0025 1860	SCASSOS EQU	SCAIVTON+2 2 SS OF SID TABLE DIRECTORY						
		0027 1861	SCALOSS EQU	SCASSOS+2 2 SS OF ERROR TABLE DIRECTORY						
		1862 *								
19		0029 1863	SCADSSP EQU	SCALOSS+2 2 SS OF MAIN STORAGE DUMP AREA						
		002B 1864	SCADSSC EQU	SCADSSP+2 2 SS OF CONTROL STORAGE DUMP AREA						
		002D 1865	SCADSS10 EQU	SCADSSC+2 2 SS OF I/O PROCESSOR DUMP AREA						
		1866 *								

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	SHELPH SYSTEM/34 HELP UTILITY					PAGE 7 V09/11/81 12/05/81 12:00				
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT						
02		255 *		\$OTFD WS-Y,FIELD-Y					01860000	
		256 *		*** COMMON DTF OFFSETS ***					0	
		257 *		*** FOR ALL DEVICES ***					0	
03		258 *							0	

SHELPH SYSTEM/34 HELP UTILITY

01	ERR LOC OBJECT CODE	
02		0
03		0

14	CBC4 CO 87 CB72	3999	8	HE002000	LOOK UP AND DISPLAY FORMAT	03500000	14
15							15
16							16
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02F	1867	SCACONFG	EQU	SCADSS10+2	2	SS OF CONFIGURATION RECORD
1868	*					
0031	1869	SCASHIST	EQU	SCACONFG+2	2	START SS OF HISTORY FILE
0033	1870	SCANFS12	EQU	SCASHIST+2	2	SIZE OF HISTORY FILE
0035	1871	SCANFCUR	EQU	SCANFS12+2	2	SS OF CURRENT HISTORY FILE ENTRY
1872	*					
0038	1873	SCASMSG1	EQU	SCANFCUR+3	3	SS-1ST LVL SSP MSG MEMB (**MSG1)
0038	1874	SCASMSG	EQU	SCASMSG1+3	3	SS-SSP HEADINGS MSG MEMB(**MSG2)
003E	1875	SCASMSG	EQU	SCASMSG+3	3	SS-SSP UK STATN MSG MEMB(**MSG9)
0041	1876	SCASMSG2	EQU	SCASMSG+3	3	SS-2ND LVL SSP MSG MEMB (**MSG4)
1877	*					
0044	1878	SCADSSJQ	EQU	SCASMSG2+3	3	SS OF INPUT JOB QUEUE FILE
1879	*					
0047	1880	SCADSSPR	EQU	SCADSSJQ+3	3	SS OF SPOOL PRIMARY FILE [R8]
1881	*					BEFORE SPOOL IS INITIALIZED DURING IPL THIS FIELD WILL
1882	*					BE INITIALIZED TO ONE OF THE FOLLOWING:
1883	*					X'000000'
1884	*					X'FF0000'
1885	*					X'00N' WHERE: N = SPOOL FILE SEGMENT SIZE (BLOCKS-1)
1886	*					*** = NUMBER OF SPOOL FILE SEGMENTS
1887	*					
0049	1888	SCAUSER0	EQU	SCADSSPR+2	2	START ADDRESS OF USER STORAGE
004B	1889	SCADSBFF	EQU	SCAUSER0+2	2	ADDRESS OF SPOOL BUFFER POOL
1890	*					
004D	1891	SCADNERP	EQU	SCADSBFF+2	2	ADDRESS OF PSP ERROR SAVE AREA
004D	1892	SCADCP0B	EQU	SCADNERP	2	ADDRESS OF C.P. DISKETTE IOB
1893	*					
004F	1894	SCADLBF1	EQU	SCADNERP+2	2	ADDRESS OF *LIBRARY FORMAT-1
1895	*					
0051	1896	SCADF1ST	EQU	SCADLBF1+2	2	FIRST ACTIVE FORMAT-1 ON CHAIN
0052	1897	SCADPTUB	EQU	SCADF1ST+1	1	NUMBER OF LOCAL CONFIG. TUBS
1898	*					
0053	1899	SCADBSCT	EQU	SCADPTUB+1	1	NUMBER OF USERS OF BSC ON
1900	*					
0055	1901	SCADVICE	EQU	SCADBSCT+2	2	ADDRESS OF DEVICE ALLOC TABLE
1902	*					
0057	1903	SCADSEUB	EQU	SCADVICE+2	2	ADDRESS SEU MEMBER CHAIN
0059	1904	SCADSEUQ	EQU	SCADSEUB+2	2	SEU QUEUE HEADER
0059	1905	SCADPLW6	EQU	SCADSEUQ	2	IPL WORK AREA
1906	*					
005A	1907	SCADSL0G	EQU	SCADSEUQ+1	1	SYSLOG ASSIGNED INDICATOR
00E0	1908	SCAMPRT	EQU	X'EO'	.	SYSLOG ASSIGNED TO PRINTER
0010	1909	SCAMPRT	EQU	X'10'	.	SYSLOG ASSIGNED TO WORK STATION
1910	*					
005B	1911	SCASYS1	EQU	SCADSL0G+1	1	SYSTEM CONFIGURATION BYTE 5
0080	1912	SCANFERR	EQU	X'80'	.	X'80' - ERROR IN HISTORY FILE
0040	1913	SCANIPLC	EQU	X'40'	.	X'40' - IPL-PROCESSING COMPLETE
0020	1914	SCADVER	EQU	X'20'	.	X'20' - IPL-OVERRIDE RECEIVED
0010	1915	SCANIPL	EQU	X'10'	.	X'10' - IPL-SIGN ON COMPLETE
0008	1916	SCANRDL	EQU	X'08'	.	X'08' - IPL-FILE REBUILD
0004	1917	SCANJECT	EQU	X'04'	.	X'04' - SYSLOG EJECT AT '0J
0002	1918	SCANCLOK	EQU	X'02'	.	X'02' - CONFIG RECORD LOCK [R3]
0001	1919	SCAMPREP	EQU	X'01'	.	X'01' - PREPARE REQUEST ISSUED
1920	*					

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
001F	307	SAUSOUTL	EQU	SAUSOPC+2	OUTPUT DATA LENGTH
001F	308	SAUSEFFL	EQU	SAUSOUTL	EFFECTIVE INPUT LENGTH
0021	309	SAUSRECA	EQU	SAUSEFFL+2	RECORD AREA ADDRESS (POST-OPEN)
0021	310	SAUSINIA	FOR	SAUSRECA	FORMAT INDEX ADDRESS (PRE-OPEN)

01	SHHELP SYSTEM/34 HELP UTILITY	PAGE 44	09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE		
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01	SHHELP SYSTEM/34 HELP UTILITY	PAGE 8	09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE	ADDR	
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03500000	14	C8F5 C0 81 CF9F	3632	BE	HE002700	YES - BRANCH TO JOBQ ROUTINE	03750000	14
	15							15
	16							16
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12/05/81 12:00	01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 45	W09/11/81 12/05/81 12:00	01	\$HELP SYSTEM/34 HELP UTILITY			
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	
02	005C	1921	SCASYS2	EQU SCASYS1+1	1	SYSTEM CONFIGURATION BYTE 6	02	0040	1975
	0080	1922	SCAMTBS	EQU X'80'	.	X'80' - COMM TASK BEING ASSIGNED		0020	1976
	0040	1923	SCAMCHK	EQU X'40'	.	X'40' - MASTER CONSOLE CHECK		0010	1977
03	0020	1924	SCAMHLP	EQU X'20'	.	X'20' - HIGH LEVEL DEDICATION	03	0008	1978
	0010	1925	SCAMPLP	EQU X'10'	.	X'10' - IPL - STARTUP PROC (R4)		0004	1979
	0008	1926	SCAMDATE	EQU X'08'	.	X'08' - SYSTEM DATE RECEIVED		0002	1980
04	0004	1927	SCAMTIC	EQU X'04'	.	X'04' - DDDDDY DATE WORLD TRADE	04	0001	1981
	0002	1928	SCAMDOM	EQU X'02'	.	X'02' - HHHDDY DATE DOMESTIC		1982 *	
	0001	1929	SCAMYYD	EQU X'01'	.	X'01' - YYYYDD DATE SPECIAL		0073	1983
05	1930 *						05	0076	1984
	1931 *					1931 * SYSTEM IPL DATE - IN PACKED FORMAT (YY MM DD)		1985 *	
	005D	1932	SCADYEAR	EQU SCADSYS2+1	1	SYSTEM YEAR		0077	1986
06	005E	1933	SCADMONTH	EQU SCADYEAR+1	1	SYSTEM MONTH	06	1987 *	
	005F	1934	SCADDAY	EQU SCADMONTH+1	1	SYSTEM DAY		0078	1988
	005F	1935	SCADDATE	EQU SCADDAY	3	SYSTEM DATE (YMD)		0080	1989
07	1936 *						07	0040	1990
	0060	1937	SCADCTUT	EQU SCADDATE+1	1	COUNT OF USER TASKS IN SYSTEM		0020	1991
	1938 *							1992 *	
08	0066	1939	SCARDVOL	EQU SCADCTUT+6	6	DISKETTE VOLUME LABEL	08	1993 *	
	1940 *							1994 *	
	0067	1941	SCARDFMT	EQU SCARDVOL+1	1	DISKETTE PHYSICAL FORMAT		1995 *	
09	0080	1942	SCARDPLA	EQU X'80'	.	X'80' - IPL AUTOLOADER FLAG (R3)	09	1996 *	
	1943 *					0 - IPL DISKETTE, AUTO=YES		1997 *	
	1944 *					1 - IPL DISKETTE, AUTO=NO		0079	1998
	0040	1945	SCARD2FFM	EQU X'40'	.	X'40' - 2 SIDED - FFM RECORDING	10	0080	1999
	0020	1946	SCARDFFM	EQU X'20'	.	X'20' - 2 SIDED - FM RECORDING		0040	2000
	0010	1947	SCARD1FM	EQU X'10'	.	X'10' - 1 SIDED - FM RECORDING		2001 *	
11	0008	1948	SCARD1024	EQU X'08'	.	X'08' - RECORD SIZE = 1024	11	2002 *	
	0004	1949	SCARD512	EQU X'04'	.	X'04' - RECORD SIZE = 512		2003 *	
	0002	1950	SCARD256	EQU X'02'	.	X'02' - RECORD SIZE = 256		2004 *	
12	0001	1951	SCARD128	EQU X'01'	.	X'01' - RECORD SIZE = 128	12	2005 *	
	1952 *							2006 *	
	0068	1953	SCARDLRC	EQU SCARDFMT+4	4	DISKETTE VOLUME LRC CHARACTERS		2007 *	
13	1954 *						13	007A	2008
	0060	1955	SCARDPLK	EQU SCADCTUT	.	IPL WORK AREA (START)		2009 *	
	0068	1956	SCARDPLM	EQU SCARDLRC	.	IPL WORK AREA (END)		007B	2010
14	1957 *						14	007D	2011
	0060	1958	SCARDTUB	EQU SCARDLRC+2	2	MASTER CONSOLE TUB ADDRESS		007E	2012
15	006F	1959	SCADPTUB	EQU SCARDTUB+2	2	SYSTEM PRINTER TUB ADDRESS	15	007F	2013
	1960 *							0080	2014
	1961 *					COMMAND PROCESSOR DISPLACEMENTS AND BIT MASKS		0082	2015
	1962 *							2016 *	
16	0070	1963	SCADCP51	EQU SCADPTUB+1	1	SWITCH BYTE ONE	16	0084	2017
	0080	1964	SCADCP1	EQU X'80'	.	STOP COMPLETE MESSAGE SENT		2018 *	
	0040	1965	SCADNLL	EQU X'40'	.	NO JOBS CAN BE INITIATED		0085	2019
17	0020	1966	SCADNJE	EQU X'20'	.	SPOOL WRITER/JOBQ EDJ REQUIRED	17	008A	2020
	0010	1967	SCADNJE	EQU X'10'	.	WSQM SEND EDJ COMPLETION CODE		2021 *	
	0008	1968	SCADNJE	EQU X'08'	.	SPOOL WRITER HAS BEEN STARTED		008B	2022
18	0004	1969	SCADNJE	EQU X'04'	.	JOBQ HAS BEEN STARTED	18	2023 *	
	0002	1970	SCADNJE	EQU X'02'	.	SECURITY IS ACTIVE		008C	2024
	0001	1971	SCADNJE	EQU X'01'	.	CALL I/O ERP TRANSIENT		008D	2025
19	1972 *						19	0040	2026
	0071	1973	SCADCP52	EQU SCADCP51+1		SWITCH BYTE TWO		2027 *	
20	0080	1974	SCADKEYS	EQU X'80'	.	KEY SORT ALL FILES AT SHUT DOWN	20	0010	2028

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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	
02	0014	359	BSURKID	EQU X'14'		INPUT REJECTED-KEYBOARD DISABLED	02	0008	413
	0018	360	BSURNFU	EQU X'18'		ACQUIRE FAILED TEMPORARILY		0009	414
	0024	361	BSURDNW	EQU X'24'		TERMINAL RELEASED BY OPERATOR		0009	415
03	0028	362	BSURDNW	EQU X'28'			03		

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#HELP SYSTEM/34 HELP UTILITY

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ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

02	0040	1975	SCAPCOUT	EQU	X'40'	.	CONSOLE READY TO OUTPUT MESSAGE	
	0020	1976	SCAPHELP	EQU	X'20'	.	HELP FEATURE ACTIVE	IR31
	0010	1977	SCAPCPAF	EQU	X'10'	.	C. P. USQS ASSIGN FAILURE	IR31
03	0008	1978	SCAPMSBL	EQU	X'08'	.	REBUILD - EXECUTE REBUILD	
	0004	1979	SCAPDELE	EQU	X'04'	.	REBUILD - DELETE FILES IN ERROR	
	0002	1980	SCAPTOLD	EQU	X'02'	.	REBUILD - EXAMINE OLD FILES ALSO	
04	0001	1981	SCAPTELL	EQU	X'01'	.	REBUILD - DISPLAY LABELS IN ERROR	
							1982 *	
	0073	1983	SCADMGDI	EQU	SCADCP2+2	2	MESSAGE ORDER INDEX ADDRESS	
05	0076	1984	SCADSEC0	EQU	SCADMGDI+3	3	SSS OF SECURITY FILE	
							1985 *	
	0077	1986	SCADABCT	EQU	SCADSEC0+1	1	AUTO-BUFFER DISABLE COUNT	IR31
06							1987 *	
	0078	1988	SCADXTRA	EQU	SCADABCT+1	1	EXTENDED TRACE INDICATORS	IR41
	0080	1989	SCAPXTRA	EQU	X'80'	.	EXTENDED TRACE ACTIVE	
07	0040	1990	SCAPLOTX	EQU	X'40'	.	EXTENDED TRACE LINE 0 (INTRA)	
	0020	1991	SCAPLOTR	EQU	X'20'	.	LOG TRACE LINE 0 (INTRA)	
							1992 *	
							EQU X'10'	
08							RESERVED	
							EQU X'08'	
							RESERVED	
							EQU X'04'	
							RESERVED	
							EQU X'02'	
09							RESERVED	
							EQU X'01'	
							RESERVED	
							1997 *	
	0079	1998	SCADPCFG	EQU	SCADXTRA+1	1	DATA MANAGEMENT OPTIONS	IR41
10	0080	1999	SCADPREC	EQU	X'80'	.	DELETED RECORD CAPABILITY	IR41
	0040	2000	SCASPARK	EQU	X'40'	.	SEQ. PROC. ADDED REC. BY KEY	IR61
							2001 *	
							EQU X'20'	
							RESERVED	
11							EQU X'10'	
							RESERVED	
							EQU X'08'	
							RESERVED	
							EQU X'04'	
12							RESERVED	
							EQU X'02'	
							RESERVED	
							EQU X'01'	
							RESERVED	
							2007 *	
13	007A	2008	SCADN2K	EQU	SCADPCFG+1	1	NUMBER NUCLEUS 2K BLOCKS	IR41
							2009 *	
	007B	2010	SCADPCTR	EQU	SCADN2K+1	1	COUNTER OF PRT JOBS ACTIVE	
14	007D	2011	SCADSCIM	EQU	SCADPCTR+2	2	ADDRESS SYS CONSOLE IMAGE MATRIX	
	007E	2012	SCADPID#	EQU	SCADSCIM+1	1	MESSAGE ID # FOR SYS CON REPLY	
	007F	2013	SCADRSZ	EQU	SCADPID#+1	1	SIZE OF RESOURCE SECURITY FILE	
15	0080	2014	SCADSEC2	EQU	SCADRSZ+1	1	SIZE OF SECURITY FILE	
	0082	2015	SCADCPMB	EQU	SCADSEC2+2	2	COMMAND PROCESSOR WORKAREA ADDRESS	
							2016 *	
16	0084	2017	SCACSATB	EQU	SCADCPMB+2	2	CONTROL STORE ALLOCATE TABLE	
							2018 *	
	0085	2019	SCADISLT	EQU	SCACSATB+1	1	12 SLOT NUMBER (HEX)	IR31
17	008A	2020	SCADISLOT	EQU	SCADISLT+5	5	12 SLOT NUMBER DECIMAL	IR31
							2021 *	
	008B	2022	SCADQNT	EQU	SCADISLOT+1	1	MESSAGE Q COUNT	
							2023 *	
18	008C	2024	SCADCSPL	EQU	SCADQNT+1	1	CSP ----> PSP INTERFACE BYTE	
	008D	2025	SCAPL255	EQU	X'80'	.	PICR ATTACHMENT ON SYSTEM	IR21
19	0040	2026	SCAPNBR	EQU	X'40'	.	12 DISKETTE ATTACHMENT	IR31
							2027 *	
							EQU X'20'	
							RESERVED FOR ADDR COMPARE DUMP	
20	0010	2028	SCAPNCDV	EQU	X'10'	.	ERROR ON DUMP - PARTIAL DUMP TAKEN	

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#HELP SYSTEM/34 HELP UTILITY

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ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

02	0008	413	9ASACT	EQU	X'08'		ACCEPT INPUT OPERATION CODE	
	0009	414	9ASACQ	EQU	X'09'		ACQUIRE TERMINAL REQUEST	
	0099	415	9ASACQ	EQU	X'99'		SPECIAL ACQUIRE REQUEST	

#HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR STMT

02		0002	467					
			468					
			469					

14		C947 08 40 08
15		C948 F2 90 3A
16		C949 AF 01 2A 3B
17		C951 AF 01 32 3A
18		C955 AD 01 2A 2C
19		C959 F2 02 43
20		C95C AC 01 2A 2E
		C960 AC 01 32 36
		C964 F2 87 38

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
0008	2029	SCAMPACB	EQU	X'08'	. DISPLAY ADDR COMPARE DUMP MESSAGE
0004	2030	SCAMPACD	EQU	X'04'	. ADDRESS COMPARE DUMP WAS TAKEN
0002	2031	SCAMPACSP	EQU	X'02'	. TASK SUSPENDED BY ADDR COMP DUMP
0001	2032	SCAMPACT	EQU	X'01'	. TRACE TO DISK ACTIVE
0080	2034	SCADCSP2	EQU	SCADCSP+1	1 MSP -----> CSP INTERFACE BYTE
0080	2035	SCAMPILGR	EQU	X'80'	. S/32 MODE LOG PRINTER ERROR
0040	2036	SCAMPONK	EQU	X'40'	. PRINTER TRANSLATE FEATURE (R4)
0020	2037	SCAMPORK	EQU	X'20'	. FORTNAN EXECUTION SUPPORT (R4)
0010	2038	SCAMPFAIL	EQU	X'10'	. LAST 2K OF NUCLEUS ASSIGNED (R8)
0008	2039	SCAMPICR1	EQU	X'08'	. MICR SUBROB SSP SUPPORT (R4)
2040	*		EQU	X'04'	. RESERVED
0002	2041	SCAMPICR2	EQU	X'02'	. MICR SUBR25 SSP SUPPORT (R4)
2042	*		EQU	X'01'	. RESERVED
2043	*				
008E	2044	SCADCSP3	EQU	SCADCSP+1	1 CSP <-----> MSP INTERFACE BYTE
0080	2045	SCAMPILCA	EQU	X'80'	. NLCA CONTROLLER ATTACHED (R6)
0040	2046	SCAMPISCB	EQU	X'40'	. WSC 'B' CONTROLLER ATTACHED (R6)
0020	2047	SCAMPICFR	EQU	X'20'	. CONFIG RECORD TUB COUNT ERROR (R7)
2048	*		EQU	X'10'	. RESERVED
2049	*		EQU	X'08'	. RESERVED
2050	*		EQU	X'04'	. RESERVED
0002	2051	SCADTLOK	EQU	X'02'	. TERMINAL UNIT BLOCK CHAIN LOCKED
2052	*		EQU	X'01'	. RESERVED
2053	*				
0090	2054	SCADSNAT	EQU	SCADCSP+2	2 TCB ADDRESS OF SNA TASK
2055	*				
0091	2056	SCADLIMP	EQU	SCADSNAT+1	1 COMMUNICATIONS CONFIGURATION
2057	*				
2058	*				NOTE: THIS BYTE DESCRIBES HOW THE COMMUNICATION HARDWARE IS
2059	*				DEFINED. BITS 0-3 DESCRIBE COMMUNICATION LINES. BITS 4-7
2060	*				DESCRIBE AUTOCALL LINES. BITS 0-7 DESCRIBE X.21 LINES.
2061	*				FOR EXAMPLE:
2062	*				AUTOCALL ON LINE 3 AND COMMUNICATIONS ON LINES
2063	*				1, 2, AND 4 WOULD BE X'02'.
2064	*				X.21 ON LINE 1 AND COMMUNICATIONS ON LINE 2
2065	*				WOULD BE X'08'.
2066	*				AUTOCALL AND X.21 ARE MUTUALLY EXCLUSIVE.
2067	*				
0080	2068	SCAMPLIN1	EQU	X'80'	. COMMUNICATIONS ON LINE 1
0040	2069	SCAMPLIN2	EQU	X'40'	. COMMUNICATIONS ON LINE 2 (R3)
0020	2070	SCAMPLIN3	EQU	X'20'	. COMMUNICATIONS ON LINE 3 (R6)
0010	2071	SCAMPLIN4	EQU	X'10'	. COMMUNICATIONS ON LINE 4 (R6)
2072	*				
0008	2073	SCAMPICL1	EQU	X'08'	. AUTO CALL ON LINE 1 (R6)
0004	2074	SCAMPICL2	EQU	X'04'	. AUTO CALL ON LINE 2 (R6)
0002	2075	SCAMPICL3	EQU	X'02'	. AUTO CALL ON LINE 3 (R6)
0001	2076	SCAMPICL4	EQU	X'01'	. AUTO CALL ON LINE 4 (R6)
2077	*				
0088	2078	SCAMPIC21	EQU	X'88'	. X.21 ON LINE 1 (R8)
0044	2079	SCAMPIC22	EQU	X'44'	. X.21 ON LINE 2 (R8)
0022	2080	SCAMPIC23	EQU	X'22'	. X.21 ON LINE 3 (R8)
0011	2081	SCAMPIC24	EQU	X'11'	. X.21 ON LINE 4 (R8)
2082	*				

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT
0002	467	SWSPLAS	EQU	X'02'	PARAMETER LIST ADDR. SPEC.
468	*				
469	*				*** SWSKMSK EQUATES ***

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14	C947 B8 40 08 C94A F2 90 1A	3717 3718	HE001010 TBN JF	HESEARCHC(XR2),HESRCHBW BACKWARD REQUEST ? HE001020	NO - CONTINUE	04440000 04450000
15	C94D AF 01 2A 38 C951 AF 01 32 3A	3720 3721	SLC	HEUKTBLA(C2,XR2),HECTBLENK(XR2) DECREMENT CURRENT TABLE a HEUKFPTA(C2,XR2),HECFPTLAK(XR2) DECREMENT CURRENT INDEX a		04470000 04480000
16	C955 AD 01 2A 2C C959 F2 02 43	3723 3724	CLC JNL	HEUKTBLA(C2,XR2),HECTBLEG(XR2) CURRENT a < BEGIN a HE001040		04500000 04510000
17						
18	C95C AC 01 2A 2E C960 AC 01 32 36	3726 3727	MVC MVC	HEUKTBLA(C2,XR2),HECTBLEND(XR2) SET CURRENT a TO LAST a HEUKFPTA(C2,XR2),HECFPTEND(XR2) SET CURRENT a TO LAST a		04530000 04540000
19	C964 F2 87 38	3729	J	HE001040	CONTINUE	04560000
20						

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
0095	2083	SCADREJ	EQU	SCADLIM+4	4 END-OF-JOB SVC	
0095	2084	SCADPLUS	EQU	SCADREJ	2 IPL WORK AREA	
0092	2085	SCADREJA	EQU	SCADREJ-3	. START OF END-OF-JOB SVC	
	2086	*				
0093	2087	SCADCON1	EQU	SCADREJA+1	. CONSTANT '01'	
	2088	*				
0097	2089	SCADTRUF	EQU	SCADREJ+2	2 COMMUNICATIONS BUFFER SIZE	
	2090	*				
0098	2091	SCADMSQS	EQU	SCADTRUF+1	1 WORK STATION QUEUE SPACE (1/4K)	
	2092	*				
0099	2093	SCADMSQS	EQU	SCADMSQS+1	1 SYSTEM QUEUE SPACE (1/4K)	
	2094	*				
009A	2095	SCADTRSZ	EQU	SCADMSQS+1	1 TRACE BUFFER SPACE (1/4K)	
	2096	*				
009B	2097	SCADSNM1	EQU	SCADTRSZ+1	1 SMA BATCH TASK USE COUNT (R3)	
009C	2098	SCADSNM7	EQU	SCADSNM1+1	1 SMA REMOTE TASK USE COUNT (R3)	
009D	2099	SCADSDLS	EQU	SCADSNM7+1	1 SOLC SECONDARY TASK USE COUNT (R3)	
009E	2100	SCADSDLP	EQU	SCADSDLS+1	1 SOLC PRIMARY TASK USE COUNT (R3)	
	2101	*				
009F	2102	SCADCFG7	EQU	SCADSDLP+1	1 HISTORY FILE CONFIGURATION (R3)	
0080	2103	SCADHWP	EQU	X'00'	. HISTORY-AUTOMATIC WMAP INDICATOR	
	2104	*			1 - AUTO WMAP HISTORY FILE	
	2105	*			0 - NO HISTORY AUTO WMAP	
0040	2106	SCADHDEL	EQU	X'40'	. HISTORY-OVERFLOW FILE DELETE	
	2107	*			1 - DELETE OVERFLOW FILE	
	2108	*			0 - DONT DELETE OVERFLOW FILE	
0020	2109	SCADHFM1	EQU	X'20'	. HISTORY-REFORMAT OVERFLOW FILE	
	2110	*			1 - REFORMAT OVERFLOW FILE a IPL	
	2111	*			0 - DONT REFORMAT OVERFLOW FILE	
0020	2112	SCADHMLC	EQU	X'20'	. HISTORY-ALLOCATE OVERFLOW FILE	
	2113	*			AFTER IPL	
0010	2114	SCADHFLC	EQU	X'10'	. HISTORY-OVERFLOW FILE PREFERRED	
	2115	*			LOCATION	
	2116	*			1 - SPINDLE A1	
	2117	*			0 - SPINDLE A2	
000F	2118	SCADHVSZ	EQU	X'0F'	. HISTORY-OVERFLOW FILE SIZE (BITS	
	2119	*			4-7 (X'0F') IN MULTIPLES OF THE	
	2120	*			HISTORY FILE (1-8).	
	2121	*				
00A2	2122	SCADRSEC	EQU	SCADCFG7+3	3 RESERVED FOR SECURITY USE	
	2123	*				
00A4	2124	SCADHFK	EQU	SCADRSEC+2	2 SECTOR OFFSET OF VTDC ENTRY: (R3)	
	2125	*			. HISTORY OVERFLOW FILE, #HISTOF	
	2126	*				
00A6	2127	SCADHGA	EQU	SCADHFK+2	2 ADDRESS COMPARE WORKAREA ADDR (R3)	
	2128	*				
00A7	2129	SCADCFGB	EQU	SCADHGA+1	1 SSP CONFIGURATION (R3)	
	2130	*			. RESERVED	
0040	2131	SCADHASP	EQU	X'40'	. USE WORK STATION PRINTER (R6)	
	2132	*			. RESERVED	
	2133	*			. RESERVED	
	2134	*			. RESERVED (R6)	
	2135	*			. RESERVED	
	2136	*			. RESERVED (R6)	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
483	*			\$I0BD V-EQU		01880000
484	*			*****		
485	*			FD TOB DISPLACEMENT EQUATES		*

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C9CE CD 01 C947
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
	2137 *	EQU	X'01'	. RESERVED
	2138 *			IR81
00A8	2139	SCADCF69	EQU	SCADCF68+1 1 REMOTE CONFIGURATION BYTE
00B0	2140	SCAPWISA	EQU	X'80' . REMOTE WORK STATIONS ACTIVE
	2141 *			FOR THIS IPL
0040	2142	SCAPWIAW	EQU	X'40' . PERFORM AUTOWARY ONLINE AT IPL
0020	2143	SCAPWIAW	EQU	X'20' . WARY ONLINE NOT ALLOWED
0010	2144	SCAPWIAW	EQU	X'10' . WARY ON IN PROCESS BY #WARY
0008	2145	SCAPWISV	EQU	X'08' . WIS HAS SET 'SCAPWIAW'
0004	2146	SCAPWISV	EQU	X'04' . REMOTE TASK IS SAMPPABLE
0002	2147	SCAPWISV	EQU	X'02' . AT LEAST ONE REMOTE CONFIGURED
0001	2148	SCAPWISV	EQU	X'01' . AT LEAST ONE REMOTE CONFIGURED
	2149 *			FOR IPL AUTO WARY ONLINE
	2150 *			
00A4	2151	SCADTKSZ	EQU	SCADCF69+2 2 DISK SECTORS PER TRACK
	2152 *			IR81
00A8	2153	SCADCF6S	EQU	SCADTKSZ+1 1 SECURITY FEATURES
00B0	2154	SCAPRSEC	EQU	X'80' . RESOURCE SECURITY
0040	2155	SCAPBADG	EQU	X'40' . BUDGE READER SECURITY
	2156 *	EQU	X'20'	. RESERVED
	2157 *	EQU	X'10'	. RESERVED
	2158 *	EQU	X'08'	. RESERVED
	2159 *	EQU	X'04'	. RESERVED
	2160 *	EQU	X'02'	. RESERVED
	2161 *	EQU	X'01'	. RESERVED
	2162 *			
00A8	2163	SCADMBT	EQU	SCADCF6S+1 . WSDM BRANCH TABLE (LOW SIDE)
00A0	2164	SCAP4DB0	EQU	SCADMBT+1 ---> #4DB0 STORAGE ADDRESS
00A8	2165	SCAP4DB1	EQU	SCADMBT+3 ---> #4DB1 STORAGE ADDRESS
00B1	2166	SCAP4DB2	EQU	SCADMBT+5 ---> #4DB2 STORAGE ADDRESS
00B3	2167	SCAP4DBM	EQU	SCADMBT+7 ---> #4DBM STORAGE ADDRESS
00B3	2168	SCAP4DBM	EQU	SCAP4DBM ---> #4DBM STORAGE ADDRESS
	2169 *			THIS ADDRESS WILL BE THE ADDRESS
	2170 *			OF ICS DATA MANAGEMENT IF ICS
	2171 *			IS ACTIVE, OTHERWISE IT WILL BE
	2172 *			THE ADDRESS OF THE WORK STATION
	2173 *			DATA MANAGEMENT ROUTER, #WADPL
00B5	2174	SCAP4DB3	EQU	SCADMBT+9 ---> #4DB3 STORAGE ADDRESS
	2175 *	EQU	SCADMBT+11	RESERVED
00B7	2176	SCADWDR	EQU	SCADCF6S+12 12 WSDM BRANCH TABLE (HIGH SIDE)
	2177 *			
00B7	2178	SCADRSPC	EQU	SCADWDR+8 8 RESERVED
	2179 *			
00C0	2180	SCADCP54	EQU	SCADRSPC+1 1 COMMAND PROCESSOR SWITCH 4
00B0	2181	SCAPWILD	EQU	X'80' . VERY HIGH LEVEL DEDICATION
	2182 *	EQU	X'40'	. RESERVED
	2183 *	EQU	X'20'	. RESERVED
	2184 *	EQU	X'10'	. RESERVED
	2185 *	EQU	X'08'	. RESERVED
	2186 *	EQU	X'04'	. RESERVED
	2187 *	EQU	X'02'	. RESERVED
	2188 *	EQU	X'01'	. RESERVED
	2189 *			
00C2	2190	SCADPTD	EQU	SCADCP54+2 2 EXT. ADDRESS MAPPING (EXTND)

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
	537 *			A COMPLETION CODE BYTE OF X'41' - ALL OTHER BITS ARE OFF.
	538 *			THIS EQUATES ARE TO BE USED IN BYTE COMPARES OF
	539 *			COMPLETION CODE (AS OPPOSED TO USED AS BIT MASK IN TBNL FOR

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05140000	14	CA02 CO 01 C947	3821	BNE	HE001010	NO - FIND NEXT FORMAT	05480000	14	CA3A B5 01 2A
05160000 05170000	15	CA06 F2 87 31	3823	J	HE001090	CONTINUE	05500000	15	CA3D B4 01 28
	16							16	CA40 AC 01 30 32
	17							17	CA44 9C 07 07 07
	18							18	CA48 B5 01 32
	19							19	CA4B 9C 07 44 07
	20							20	CA4F AF 01 09 09

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01		#HELP SYSTEM/34 HELP UTILITY PAGE 51 W09/11/81 12/05/81 12:00						01		#HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			ERR LOC	OBJECT CODE	ADDR	SOURCE
		2245 *			WITHIN THE INDIVIDUAL CONFIGURATION						
		2246 *			BYTES. EACH ENTRY IS TWO BYTES LONG.						
		2247 *			BYTE 0: SEE LABEL 'UDTD0F1'						
03		2248 *			BYTE 1: SEE LABEL 'UDTD0F3' FOR BITS 0-3.						
		2249 *			BITS 4-7 (X'0F') MAP THE DEVICE						
04		2250 *			ADDRESS (PRIORITY) OF THE UDT LINE						0002 2
		2251 *			ENTRY. FOR EXAMPLE X'80' MAPS TO						0001 2
		2252 *			X'08'. SEE EQUATES BELOW.						0002 2
05		0008 2253 SCAPPR80 EQU	X'08'		UDT DEVICE ADDRESS X'80'	IR31					0004 2
		0004 2254 SCAPPR40 EQU	X'04'		UDT DEVICE ADDRESS X'40'	IR61					0005 2
		0002 2255 SCAPPR20 EQU	X'02'		UDT DEVICE ADDRESS X'20'	IR31					0006 2
06		0001 2256 SCAPPR10 EQU	X'01'		UDT DEVICE ADDRESS X'10'	IR61					0007 2
		2257 *									0008 2
		0008 2258 SCADKKG6 EQU	SCADUCFG+2	2	KATAKANA/KANJI COMP AREA	IR61					0009 2
		2259 *									000A 2
07		0009 2260 SCADSSPF EQU	SCADKKG+1	1	SSP FEATURE INDICATORS	IR61					000B 2
		0080 2261 SCADKGGF EQU	X'80'	.	KATAKANA/KANJI FEATURE	IR61					000C 2
08		2262 *	EQU	X'40'	.	RESERVED					000D 2
		2263 *	EQU	X'20'	.	RESERVED					000E 2
		2264 *	EQU	X'10'	.	RESERVED					000F 2
09		2265 *	EQU	X'08'	.	RESERVED					0010 2
		2266 *	EQU	X'04'	.	RESERVED					0011 2
		2267 *	EQU	X'02'	.	RESERVED					0012 2
10		0001 2268 SCAPR21 EQU	X'01'	.	X.21 FEATURE	IR81					0013 2
		2269 *									0014 2
		00FF 2270 SCADCPYR EQU	255	38	COPYRIGHT						0015 2
		2271 *									0016 2
11		00ED 2272 SCADPATR EQU	SCADCPYR-31	32	TERMINATION DUMP ATR STACK.						0017 2
		2273 *			USED BY ABNORMAL TERMINATION						0018 2
12		2274 *			WHEN DUMPING MORE THAN 64K OF						0019 2
		2275 *			MAIN STORAGE. COPYRIGHT WILL BE						001A 2
		2276 *			RESTORED WHEN DUMP IS COMPLETE.						001B 2
		2277 *									23
13		2278 ***			END OF EXPANSION **						001D 2

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01		#HELP SYSTEM/34 HELP UTILITY PAGE 15 W09/11/81 12/05/81 12:00						01		#HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			ERR LOC	OBJECT CODE	ADDR	STMT
02		617 *			SLOGD		01900000	02		0002	671
		618 *			SYSLOG PARAMETER LIST FUNCTION BYTE FOR TYPES 1, 1R, 2, 2R, 3 AND 4					0003	672

05480000
05500000

14	CA3A B5 01 2A CA3D B4 01 28	3855 HE001090 L 3856 ST	HEWKTBLA(C, XR2), XR1 HETABLE(C, XR2), XR1	XR1 --> CURRENT TABLE ENTRY SAVE PRIME TABLE ENTRY a	05850000 05860000
15	CA40 AC 01 30 32	3858 MVC	HEFMTBLA(C, XR2), HEWFMTC(C, XR2)	SAVE INDEX ENTRY ADDRESS	05880000
16	CA44 9C 07 07 07	3860 HE001095 MVC	HETBLLEN-1(HETBLLEN, XR2), HETBLLEN-1(C, XR1)	SAVE TBL ENTRY	05900000
17	CA48 B5 01 32 CA48 9C 07 44 07	3862 L 3863 MVC	HEWFMTC(C, XR2), XR1 HEFORMAT(C, XR2), FMTTME(C, XR1)	XR1 --> CURRENT INDEX ENTRY a SAVE CURRENT FORMAT NAME	05920000 05930000
18	CA4F AF 01 09 09	3865 HE001097 SLC	HESRCHDP(C, XR2), HESRCHDP(C, XR2)	RESET SEARCH PARAMETERS	05950000
19	0002 3867	DROP 2		DROP BASE REGISTER	05970000
20	CA53 C0 87 0000	3869 HE001099 B		RETURN TO CALLER	05990000

CA71 AF 07 55 55 3900
CA75 AC 02 50 07 3900
CA79 AC 02 53 70 3900
CA7D AF 02 53 50 3900
CA81 AB 03 12 01 3911

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		2280 *		SVEQU	02140000
		2281 *			
03		2282 *		SVC R-BYTE EQUATES	
		2283 *			
04		0000 2284	SVCWAIT	EQU X'00'	GENERAL WAIT
		0001 2285	SVCPOST	EQU X'01'	GENERAL POST
		0002 2286	SVCWAIT	EQU X'02'	WAIT
		0003 2287	SVCPOST	EQU X'03'	POST
		0004 2288	SVCXFER	EQU X'04'	TRANSFER CONTROL/SYSTEM TRANSIENT
		0005 2289	SVCINSTK	EQU X'05'	STACK MANIPULATION
		0006 2290	SVCASSGN	EQU X'06'	ASSIGN
		0007 2291	SVCFREE	EQU X'07'	FREE
		0008 2292	SVCISEC	EQU X'08'	INCREMENT SYSTEM EVENT COUNTERS
		0009 2293	SVCNSMSW	EQU X'09'	SENSE CONSOLE DATA SWITCHES
		000A 2294	SVCASGN	EQU X'0A'	ASSIGN SYSTEM QUEUE SPACE SVC
		000B 2295	SVCPPSVC	EQU X'0B'	PSEUDO DELAYED SVC POST ACR FUNCTION
		000C 2296	SVCLDATR	EQU X'0C'	LOAD ATRIS
		000D 2297	SVCPIR	EQU X'0D'	ALTER PROGRAM MODE REGISTER (PIR)
		000E 2298	SVCQUEUE	EQU X'0E'	QUEUE / DEQUEUE SYSTEM CONTROL BLOCKS
		000F 2299	SVCSCB	EQU X'0F'	SYSTEM CONTROL BLOCK ACCESS
		0010 2300	SVCXENT	EQU X'10'	TRANSIENT/TRANSFER-USER SPECIFIED
		0011 2301	SVCEXIT	EQU X'11'	TRANSIENT/TRANSFER EXIT SVC
		0012 2302	SVCGETP	EQU X'12'	GETPAGE
		0013 2303	SVCFREEP	EQU X'13'	FREEPAGE
		0014 2304	SVCITN	EQU X'14'	* INTERNAL TIMER ENQUEUE
		0015 2305	SVCITD	EQU X'15'	* INTERNAL TIMER DEQUEUE
		0016 2306	SVCITR	EQU X'16'	* INTERNAL TIMER REMAINDER
		0017 2307	SVCITWT	EQU X'17'	ASYNCHRONOUS TASK WAIT
		0018 2308	SVCINTOF	EQU X'18'	SET TRANSIENT AREA NOT BUSY
		0019 2309	SVCPOSTA	EQU X'19'	POST ACE SVC
		001A 2310	SVCLOG	EQU X'1A'	LOG TRACE INFORMATION
		001B 2311	SVCQSCAN	EQU X'1B'	SCAN SYSTEM QUEUE ROUTINE
		2312 *		EQU X'1C'	RESERVED
		001D 2313	SVCPOST	EQU X'1D'	TASK POST
		001E 2314	SVCWAIT	EQU X'1E'	TASK WAIT
		001F 2315	SVCITH	EQU X'1F'	* TIMER INTERRUPT HANDLER
		0020 2316	SVCQIS	EQU X'20'	ALTER QUIESCE COUNTER
		0021 2317	SVCRENQ	EQU X'21'	RESOURCE ENQUEUE
		0022 2318	SVCRENQ	EQU X'22'	RESOURCE DEQUEUE
		0023 2319	SVCQDUMP	EQU X'23'	DUMP MAIN STORAGE/TERMINATE TASK
		0024 2320	SVCTEST	EQU X'24'	TEST AND SET
		0025 2321	SVCPRIO	EQU X'25'	TCB PRIORITY QUEUE
		0026 2322	SVCNDYCK	EQU X'26'	ASYNCHRONOUS TASK READY CHECK.
		0027 2323	SVCPRP	EQU X'27'	PREPARE PRINTER OUTPUT
		0028 2324	SVCDSPPCH	EQU X'28'	DISPATCHER SVC
		0029 2325	SVCNPT	EQU X'29'	REMOTE PRINTER SET UP.
		002A 2326	SVCSSQ	EQU X'2A'	SECTOR ENQUEUE/DEQUEUE
		002B 2327	SVCNWEI	EQU X'2B'	MOVE DATA BY ID
		002C 2328	SVCNPT	EQU X'2C'	POST TASK BY ID
		002D 2329	SVCQWAIT	EQU X'2D'	QUIESCE COUNTER WAIT
		002E 2330	SVCRAF	EQU X'2E'	TRANSLATED ASSIGN/FREE
		002F 2331	SVC TOD	EQU X'2F'	RETURN TIME-OF-DAY IN TIMER UNITS
		2332 *			
		2333 *			* -INDICATES NOT USEABLE FROM MAIN STORE

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ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02 2335
0040 2336
0041 2337
0042 2338
0043 2339
0044 2340
0045 2341
004C 2342
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0050 2344
0051 2345
0052 2346
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005C 2348
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0001 2352
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0001 2354
0002 2355
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0004 2357
0004 2358
0008 2359
0008 2360
0008 2361
0010 2362
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0020 2364
0040 2365
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0080 2367
0019 2368
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00F4 2372
00F5 2373
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		0002 671	SLGRPPG	EQU X'02'	.RPG
		0003 672	SLGRAUTO	EQU X'03'	.AUTO
		0004 673	SLGRPFI	EQU X'04'	

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ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02 000F 725 SLGR
000F 726 SLGR

05850000	14	CA71 AF 07 55 55	3905	SLC	HEWORK+7(8, XR2), HEWORK+7(, XR2) CLEAR WORK AREA	06190000	14	CAN6 BA 80 4E	39
05860000								CAN7 F2 90 03	39
05880000	15	CA75 AC 02 50 07 CA79 AC 02 53 70 CA7D AF 02 53 50	3907 3908 3909	PNC PNC SLC	HEWORK+2(3, XR2), HECPYMSK(, XR2) SAVE COMPRESS MASK HEWORK+5(3, XR2), HEREWMSK(, XR2) MOVE IN REVERSE MASK HEWORK+5(3, XR2), HEWORK+2(, XR2) REVERSE COMPRESS MASK	06210000 06220000 06230000	15	CAN8 BA 80 51 CANF AE 06 54 54	39
05900000	16	CAB1 AB 03 12 01	3911	MNN	HETYP(SVC, XR2), HETYPE(, XR2) SAVE TYPE CODE	06270000	16	CAB3 AF 00 55 73 CAB7 CO 01 C9D	39
05920000									
05930000	17							CAB8 AC 02 53 52	39
05950000									
05970000	18								
05990000	19								
	20								

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			ERR LOC	OBJECT CODE	ADDR ST
02140000	02		2335 *	DELAYED SVC R-BYTE EQUATES				02		23
			0040 2336	SVCDF EQU X'40'	DISK IOS			02		23
			0041 2337	SVCIO EQU X'41'	DISKETTE IOCS			02		23
			0042 2338	SVC* T EQU X'42'	WORKSTATION IOCH (PRINTER)			03		23
			0043 2339	SVC* S EQU X'43'	WORKSTATION IOCH (TERMINAL)			03		23
			0044 2340	SVC* CPM EQU X'44'	COMMUNICATIONS IOCH			04		23
			0045 2341	SVC* IOWT EQU X'45'	I/O TRANSIENT REQUEST			04		23
			004C 2342	SVC* QSVC EQU X'4C'	PSEUDO I/O REQUEST			04		23
			2343 *	X'46' -> X'4F' RESERVED FOR I/O SVC'S				05		23
			0050 2344	SVC* CNT EQU X'50'	CONTROL STORE TRANSIENT SCHEDULER			05		23
			0051 2345	SVC* TWA EQU X'51'	TASK WORK AREA ACCESS			05		23
			0052 2346	SVC* LOAD EQU X'52'	MAIN STORAGE RELOCATING LOADER			06		23
			2347 *	X'53' -> X'5C' RESERVED FOR DELAYED SVC'S				06		23
			005C 2348	SVC* KTR EQU X'5C'	KEYBOARD TRACE			06		23
			2349 *					07		23
			2350 *	SVC Q CODE EQUATES				07		23
			2351 *					07		23
			0001 2352	Q1 EQU X'01'	SVC SIGNIFICANT INDICATOR			08		23
			0001 2353	Q*AIT EQU X'01'	WAIT ON THIS SVC INDICATOR			08		23
			0001 2354	Q*REFRESH EQU X'01'	REFRESH TRANSIENT/TRANSFER INDICATOR			08		23
			0002 2355	Q*REF EQU X'02'	NON-REFRESHABLE SVC INDICATOR			09		23
			0004 2356	Q*LOFF EQU X'04'	TRANSLATE OFF-IOB/PANN LIST-INDICATOR			09		23
			0004 2357	Q*SYSREQ EQU X'04'	SPECIAL SYSTEM REQUEST FOR ASSIGN REC			09		23
			0004 2358	Q*FR*EM EQU X'04'	FOR MOVEI - FROM ID IN EXAM 6			10		23
			0008 2359	Q*TO*EM EQU X'08'	FOR MOVEI - TO ID IN EXAM 6			10		240
			0008 2360	Q*MAIT EQU X'08'	MULTIPLE WAIT I/O REQUEST			10		240
			0008 2361	Q*CP*AIT EQU X'08'	ASYNCR ERROR WAIT REQUEST			11		240
			0010 2362	Q*CT EQU X'10'	SUBSYSTEM CONFIG TABLE 00145			11		240
			0010 2363	Q*NR EQU X'10'	NON-QUITSCABLE REQUEST INDICATOR			11		240
			0020 2364	Q*RR2 EQU X'20'	RETURN XR2 FROM POSTER ON WAIT.			12		240
			0040 2365	Q*U EQU X'40'	USE USERS TCB ON EXAM I/O REQUEST 6			12		240
			0000 2366	Q EQU X'00'	IMMEDIATE SVC EQUATE			12		240
			0080 2367	C*CALL EQU X'80'	CS SVC INDICATOR			13		240
			0019 2368	Q*Q*V EQU Q*Q*MAIT+Q*AIT NON-VOLUNTARY SWAPPABLE WAIT				13		240
			0018 2369	Q*Q*P*RI EQU Q*Q*MAIT NOT CHANGE PRIORITY ON WAIT 8				13		241
			0009 2370	Q*SPEC EQU Q*MAIT+Q*AIT SPECIFIC WAIT ON NON-ECL.				14		241
			2371 *					14		241
			00F4 2372	SVC* OP EQU X'F4'	SVC OP CODE VALUE			15		241
			00F5 2373	SVC* X*FR EQU X'F5'	SVC TRANSFER OP CODE			15		241
			2374 ***	END OF EXPANSION **				16		241
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			ERR LOC	OBJECT CODE	ADDR ST
	02		000F 725	\$LGD*BI EQU \$LGD*RD+2	TUB ADDRESS FOR TYPE 1R			02	0008	779
			000F 726	\$LGD*SC*1R EQU \$LGD*RD+2	SUBCONSOLE ID FIELD FOR TYPE 1R				0002	780

SCREEN	06197000	14	CAAG BB 80 4E	3944	TBN	HEWORD(,XR2),X'80'	BIT ON IN ORIGINAL MASK ?	06314800
	06198000	14	CAAF F2 90 03	3945	JF	HE001140	NO - CONTINUE	06315100
SK	06210000	15	CAAC BA 80 51	3947	SBN	HEWORD*3(,XR2),X'80'	SET ORIGINAL BIT INTO REV MASK	06315700
*MASK	06220000	15	CAAF AE 06 54 54	3949	HE001140	ALC	HEWORD*6(7,XR2),HEWORD*6(,XR2) SHIFT BITS TO LEFT	06316300
MASK	06230000	16	CAB3 AF 00 55 73	3951	SLC	HEWORD*7(1,XR2),HECONE(,XR2)	ANY MORE BITS TO SHIFT ?	06316900
	06270000	16	CAB7 C0 01 CA9D	3952	BNZ	HE001130	YES - CHECK NEXT BIT	06317200
		17	CABB AC 02 53 52	3954	MVC	HEWORD*5(3,XR2),HEWORD*4(,XR2)	RE-POSITION REVERSED MASK	06317800
		18						
		19						
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E 53	V09/11/81	12/05/81	12:00	01	#HELP SYSTEM/34 HELP UTILITY				PAGE 54	V09/11/81	12/05/81	12:00	01	#HELP SYSTEM/34 HELP UTILITY	
				02	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT				02	ERR LOC OBJECT CODE	
				03		2376 *		TCB					02160000		
				04		2377 *		*****							
				05		2378 *		T C B							
				06		2379 *		*****							
				07		2380 *	00	*	*	*	*	*	*	*	
				08		2381 *	STAT1	STAT2	WMASK	WMSK2	*	STAT3	PRIOR	TTIME	QCNT
				09		2382 *	*****								
				10		2383 *	08	*	*	*	*	*	*	*	
				11		2384 *	CMPLO	PUSH		CHAIN	RDYQ	*			
				12		2385 *	*****								
				13		2386 *	10	*	*	*	*	*	*	*	
				14		2387 *	XNTQ	RTUB	*	JCB	CRB	*			
				15		2388 *	*****								
				16		2389 *	18	*	*	*	*	*	*	*	
				17		2390 *	AXR1	AXR2	*	ARR	AR	*			
				18		2391 *	*****								
				19		2392 *	20	*	*	*	*	*	*	*	
				20		2393 *	PWR	PSR	R	Q	*	INL1	INL2	INL3	INL4
						2394 *	*****								
						2395 *	28	*	*	*	*	*	*	*	
						2396 *	TSSN	BEGL	*	MSIZ	MSIZ	SPOOL	*		
						2397 *	*****								
						2398 *	30	*							
						2399 *									
						2400 *	*****								
						2401 *	38	*							
						2402 *				ATRS					
						2403 *	*****								
						2404 *	40	*							
						2405 *									
						2406 *	*****								
						2407 *	48	*							
						2408 *									
						2409 *	*****								
						2410 *	50	*	*	*	*	*	*	*	
						2411 *	TTC	TWA	*	WSMA	LDREL	*			
						2412 *	*****								
						2413 *	58	*	*	*	*	*	*	*	
						2414 *	LDSK	INCT	*	ASGQ	EXIT	*			
						2415 *	*****								
						2416 *	60	*							
						2417 *				TOE					
						2418 *	*****								
						2419 *	68	*	*	*	*	*	*	*	
						2420 *	SOBCT	LCKPK	SSTID	TSKID	*	PRIQ	STAT4	STAT5	
						2421 *	*****								
						2422 *	70CATH	*	*	*	*	*	*	*	
						2423 *	AWSCY	CAT	PRTPK	MSCNT	*	CNDCT	IQCNT	ARQCT	STAT6
						2424 *	*****								
						2425 *	78	*	*	*	*	*	*	*	
						2426 *	BAT	SUSPS	SNFPT	*	THRST	X	*	*	
						2427 *	*****								

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				02	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT				02	ERR LOC OBJECT CODE
						0008	779	SLGDZORA	EQU	SLGDZORL*2		DATA RESPONSE ADDRESS		
						0002	780	SLGDZORA	EQU	2		LENGTH		

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					\$HELP SYSTEM/34 HELP UTILITY PAGE 56 V09/11/81 12/05/81 12:00
02	0040	2483	TCBCHKPT	EQU	X'40' . THIS TASK IS BEING CHECKPOINTED
02	0020	2484	TCBEXTRA	EQU	X'20' . EXTENDED TRACE ACTIVE
03	0010	2485	TCBCCALL	EQU	X'10' . CLOSE HAS BEEN CALLED INDICATOR
03	0008	2486	TCBKCALL	EQU	X'08' . KEYSORT HAS BEEN CALLED INDICATOR
03	0004	2487	TCBSUSPD	EQU	X'04' . SUSPEND FROM SYS OPERATOR PENDING
04	0002	2488	TCBNEPD	EQU	X'02' . DATA MODE ESCAPE PENDING
04	0001	2489	TCBINQPD	EQU	X'01' . INQUIRY PENDING
05	0005	2491	TCBPRIOR	EQU	TCBSTAT3+1 QUEUEING PRIORITY
05	00FF	2493	TCBPRIN	EQU	X'FF' INVALID PRIORITY(CAN NOT BE USED)
06	00FC	2494	TCBPRCP	EQU	X'FC' COMMAND PROCESSOR PRIORITY
06	00FO	2495	TCBPRSP	EQU	X'FO' SPOOL PRIORITY
06	00FO	2496	TCBPRMR	EQU	X'FO' MRJE PRIORITY
07	00F4	2497	TCBPRBSC	EQU	X'F4' BCS PRIORITY
07	00F3	2498	TCBPREM	EQU	X'F3' 3270 EMULATION PRIORITY
07	00FO	2499	TCBPREXT	EQU	X'FO' EXTENDED TRACE PRIORITY
08	00F4	2500	TCBPRITH	EQU	X'F4' BCS PRIORITY FOR 3270 I/H
08	00F8	2501	TCBPRSDP	EQU	X'F8' SOLC PRIORITY (PRIMARY)
08	00F9	2502	TCBPRSDS	EQU	X'F9' SOLC PRIORITY (SECONDARY)
09	00FO	2503	TCBPRSN1	EQU	X'FO' SNA 1 PRIORITY
09	00FO	2504	TCBPRSNR	EQU	X'FO' SNA 2 PRIORITY
09	00FO	2505	TCBPRBLD	EQU	X'FO' REBUILD PRIORITY
10	00FO	2506	TCBPRSRJ	EQU	X'FO' SRJE PRIORITY
10	00FO	2507	TCBPRSNF	EQU	X'FO' SNAF SUBSYSTEM PRIORITY
10	00FO	2508	TCBPRPER	EQU	X'FO' SNA PEER SUBSYSTEM PRIORITY
11	00FO	2509	TCBPRCCP	EQU	X'FO' CCP SUBSYSTEM PRIORITY
11	00FO	2510	TCBPRCIC	EQU	X'FO' CICS SUBSYSTEM PRIORITY
11	00FO	2511	TCBPRINS	EQU	X'FO' IMS SUBSYSTEM PRIORITY
12	00FO	2512	TCBPRBEL	EQU	X'FO' BSCCL SUBSYSTEM PRIORITY
12	00FO	2513	TCBPRINT	EQU	X'FO' INTRA SUBSYSTEM PRIORITY
12	00FO	2514	TCBPRBTS	EQU	X'FC' BSC 3270 PRIORITY
13	00FO	2515	TCBPRGCE	EQU	X'FO' HLCA CONTROLLER CHECK ERROR ROUTINE
13	00FB	2516	TCBPRSNF	EQU	X'FB' SNF PRIORITY
13	00F1	2517	TCBPRODF	EQU	X'F1' SOURCE DIFF PRIORITY *KEEP UNIQUE*
14	0000	2518	TCBPRSWT	EQU	X'00' SNF WAIT TASK PRIORITY
14	00E0	2519	TCBPRUDH	EQU	X'E0' USER DEFINED HIGH PRIORITY
14	0001	2520	TCBPRUDL	EQU	X'D1' MEDIUM PRIORITY
15					2521 * USE TCBPRUDH FOR THE SMCPRIO (CHMP) SVC. IN THE TCB, THE VALUE IN
15					2522 * TCBPRIOR WILL BE TCBPRCNV AND BIT TCBUDMPR WILL BE SET IN TCBBAT.
16	0000	2523	TCBPRCNV	EQU	X'D0' CONVERSATIONAL PRIORITY
16	00C0	2524	TCBPRBCH	EQU	X'C0' BATCH PRIORITY
16					2525 * NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRCNV DYNAMICALLY
16					2526 * CHANGED TO/FROM TCBPRBCH BE THE SYSTEM SUPERVISOR.
17	00B0	2527	TCBPRUDL	EQU	X'B0' LOW PRIORITY
18	0006	2529	TCBTTIME	EQU	TCBPRIOR+1 TASK RESIDUAL TIME INTERVAL.
18	0007	2531	TCBQCNT	EQU	TCBTTIME+1 QUIESCE COUNTER
18	0009	2532	TCBQPLQ	EQU	TCBQCNT+2 TASK EVENT CONTROL QUEUE HEADER
19					2533 *AAAAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAAA
19	000B	2535	TCBPUSH	EQU	TCBQPLQ+2 PUSH ELEMENT Q-HEADER
20	000D	2536	TCBCHAIN	EQU	TCBPUSH+2 SYSTEM EXISTENCE QUEUE CHAINING FIELD

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13 CB5C 3C 01 CB68
CB60 02 01 01
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15 CB63 C0 07 CB4A
16 CB67 7A 00 00
CB6A C2 01 0000
17 CB6E C0 07 0000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					\$HELP SYSTEM/34 HELP UTILITY PAGE 57 V09/11/81 12/05/81 12:00
02	000F	2537	TCBRDQ	EQU	TCBCHAIN+2 SYSTEM READY QUEUE CHAINING FIELD
	000F	2538	TCBSANPQ	EQU	TCBRDQ SYSTEM READY QUEUE SPECIAL EQUATE
03	0011	2539	TCBXNTQ	EQU	TCBRDQ+2 SYSTEM TRANSIENT QUEUE CHAINING FIELD
	0013	2540	TCBRTUB	EQU	TCBXNTQ+2 TUB ADDRESS OF REQUESTOR
04		2542	*XXXXXXXXXX		THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
	0015	2543	TCBJCBA	EQU	TCBRTUB+2 ADDRESS OF TASK JOB CONTROL BLOCK
	0017	2544	TCBCRB	EQU	TCBJCBA+2 CURRENT REQUEST BLOCK POINTER
05	0018	2545	TCBGRSE	EQU	TCBCRB+1 REGISTER SAVE ELEMENT (LEFT BYTE)
	0019	2546	TCBGR1	EQU	TCBCRB+2 . CURRENT XR1
	001B	2547	TCBGR2	EQU	TCBGR1+2 . CURRENT XR2
06	001D	2548	TCBGRAR	EQU	TCBGR2+2 . CURRENT ARR
	001F	2549	TCBGRAR	EQU	TCBGRAR+2 . CURRENT IAR
	0021	2550	TCBGRPSR	EQU	TCBGRAR+2 . CURRENT PRR/PSR
07	0023	2551	TCBGRQ	EQU	TCBGRPSR+2 . CURRENT R AND Q BYTES
	0024	2552	TCBGR1	EQU	TCBGRQ+1 . INLINE PARM 1
	0025	2553	TCBGR2	EQU	TCBGR1+1 . INLINE PARM 2
08	0026	2554	TCBGR3	EQU	TCBGR2+1 . INLINE PARM 3
	0027	2555	TCBGR4	EQU	TCBGR3+1 . INLINE PARM 4
	0027	2556	TCBGRSE	EQU	TCBCRB+16 CURRENT REGISTER SAVE ELEMENT
09		2557	*XXXXXXXXXX		THE ABOVE FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
10		2559	*XXXXXXXXXX		THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
	002A	2560	TCBTSSN	EQU	TCBGRSE+3 TASK DISK ADDR IN SWAP AREA.
	002B	2561	TCBEG1	EQU	TCBTSSN+1 LOGICAL PROGRAM BEGIN ATR NUMBER.
	002B	2562	TCBEGW	EQU	TCBEG1 FOUR BYTE ECH FOR CP USGS FAILURES
11	002C	2563	TCBSS1Z	EQU	TCBEG1+1 CURRENT SIZE OF MAIN STORE ALLOCATED.
	002D	2564	TCBSS2Z	EQU	TCBSS1Z+1 TASK REGION SIZE (MAX. TCBSS1Z)
	2565	*XXXXXXXXXX			THE ABOVE FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
12	002F	2567	TCBSP00L	EQU	TCBSS2Z+2 SPOOL WORK AREA ADDR
	002F	2568	TCBECHEM	EQU	TCBSP00L SPECIAL ECH FOR CP ERRORS.
	002F	2569	TCBQH0R	EQU	TCBSP00L USED AS SPECIAL SYSTEM Q HEADER.
13	004F	2570	TCBATRS	EQU	TCBSP00L+32 ATR STACK SAVE AREA
	0051	2571	TCBTTC	EQU	TCBATRS+2 TASK-TASK COMMUNICATIONS AREA
14	0053	2572	TCBTWA	EQU	TCBTTC+2 DISK ADDRESS OF TASK WORK AREA
	0055	2573	TCBWSWA	EQU	TCBTWA+2 DISK ADDRESS OF SESSION WORK AREA
	0057	2574	TCBLDREL	EQU	TCBWSWA+2 TASK RELOCATION FACTOR FOR LOADER
15	0057	2575	TCBLDREL	EQU	TCBLDREL ALTERN ERR MIC
	005A	2576	TCBLDISK	EQU	TCBLDREL+3 TASK ABSOLUTE DISK ADDR FOR LOADER
	0059	2577	TCBSIAR	EQU	TCBLDISK-1 SAVE IAR ON ALTERN
16	005B	2578	TCBINACT	EQU	TCBLDISK+1 TASK INVITE COUNT
	005D	2579	TCBASGNQ	EQU	TCBINACT+2 ASSIGNED ELEMENTS QUEUE
	005F	2580	TCBEXIT	EQU	TCBASGNQ+2 ASYNCHRONOUS EXIT ADDRESS.
17	005F	2581	TCBAFAIL	EQU	TCBEXIT CP ASSIGN FAILURE INDICATOR BYTES
	0067	2582	TCBTQE	EQU	TCBAFAIL+8 TIMER QUEUE ELEMENT.
	0068	2583	TCBSQCT	EQU	TCBTQE+1 COUNT OF SECTOR QUEUE REQUESTS
18	0069	2584	TCBLCKRQ	EQU	TCBSQCT+1 COUNT OF LOCK REQUESTS
	0080	2585	TCBLCKDI	EQU	X'80' INTERLOCK FOR DEDICATION
	0040	2586	TCBLCKSI	EQU	X'40' INTERLOCK FOR SCHEDULER
19	0020	2587	TCBLCKVI	EQU	X'20' INTERLOCK FOR VTDC
	0010	2588	TCBLCKSI	EQU	X'10' INTERLOCK FOR FORMAT 5
	0008	2589	TCBLCKPI	EQU	X'08' INTERLOCK FOR PROC NAME
	0004	2590	TCBLCKHI	EQU	X'04' INTERLOCK FOR HISTORY FILE

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01					\$HELP SYSTEM/34 HELP UTILITY PAGE 21 V09/11/81 12/05/81 12:00
02		890	*	110	RESERVED

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13									
14	CB5C 3C 01 CB68	4076	PW1	HE001330+1,ONE	RESET INDICATOR MASK	07116800			
	CB60 D2 01 01	4077	LA	1C,XR1),XR1	XR1 --> NEXT INDICATOR BYTE	07117000			
15	CB63 C0 87 CB4A	4079	HE001320 B	HE001310	CHECK NEXT INDICATOR	07117400			
16	CB67 7A 00 00	4081	HE001330 SBN	0C,XR1),#	SET ON THE INDICATOR	07117800			
	CB6A C2 01 0000	4083	HE001390 LA	#,XR1	RESTORE REGISTER 1	07118200			
17	CB6E C0 87 0000	4085	HE001399 B	#	RETURN TO CALLER	07118600			
18									
19									
20									

13	CB89 5F 57 7F 7F								
	CB80 4C 07 2F D778								
14	CB92 3C 00 0741								
15	CB96 3C 40 ED67								
	CB9A 0C 76 ED66 ED67								
16	CBAD C2 02 D683								
	CBAA 0C 07 36 D778								
17	CBAB 0C 00 1C								
	CBAC 38 04 D781								
18	CBBO F2 90 08								
19	CB83 38 44 D734								
	CB87 C0 10 CA57								
20									

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				\$HELP SYSTEM/34 HELP UTILITY
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02	0002 2591	TCBLCKSP EQU	X'02'	INTERLOCK FOR SPOOL FILE
	2592 *	EQU	X'01'	INTERLOCK FOR RESERVED
03	006A 2594	TCBSSTID EQU	TCBLCKM+1	SHARED STORAGE TASK IDSK BITS
04	006B 2596	TCBTSKID EQU	TCBSSTID+1	TASK ID
05	00E4 2598	TCBIDACT EQU	X'E4'	AUTOCALL TASK ID 6
	00E5 2599	TCBIDITH EQU	X'E5'	BSC IH FOR 3270 EMULATION TASK ID
	00E6 2600	TCBIDOTS EQU	X'E6'	BSC 3270 SUBSYSTEM TASK ID
	00E7 2601	TCBIDSNE EQU	X'E7'	SNA 3270 SUBSYSTEM TASK ID
06	00E8 2602	TCBIDGCE EQU	X'E8'	HLCA CONTROLLER CHECK ERROR TASK ID
	00E9 2603	TCBIDSNF EQU	X'E9'	SNUF SUBSYSTEM TASK ID
	00EA 2604	TCBIDPER EQU	X'EA'	SNA PEER SUBSYSTEM TASK ID
07	00EB 2605	TCBIDCCP EQU	X'EB'	CCP SUBSYSTEM TASK ID
	00EC 2606	TCBIDIC EQU	X'EC'	CICS SUBSYSTEM TASK ID
	00ED 2607	TCBIDIMS EQU	X'ED'	IMS SUBSYSTEM TASK ID
08	00EE 2608	TCBIDBEL EQU	X'EE'	BSCCL SUBSYSTEM TASK ID
	00EF 2609	TCBIDINT EQU	X'EF'	INTRA SUBSYSTEM TASK ID
	00F0 2610	TCBIDCP EQU	X'FO'	COMMAND PROCESSOR TASK ID
09	2611 *	EQU	X'F1'	RESERVED
	00F2 2612	TCBIDJ EQU	X'F2'	JOB QUEUE TASK ID
	00F3 2613	TCBIDSFS EQU	X'F3'	SNA FINANCE SUPPORT ID
10	00F4 2614	TCBIDMR EQU	X'F4'	MRJE TASK ID
	00F5 2615	TCBIDBSC EQU	X'F5'	BSC TASK ID
	00F6 2616	TCBIDSDP EQU	X'F6'	SDLC TASK ID
11	00FB 2617	TCBIDSOS EQU	X'FB'	SDLC TASK ID
	00F7 2618	TCBIDSN1 EQU	X'F7'	SNA TASK ID
	00FB 2619	TCBIDSNR EQU	X'F8'	SNA TASK ID
12	00F9 2620	TCBIDBLD EQU	X'F9'	REBUILD TASK ID
	00FA 2621	TCBIDSRJ EQU	X'FA'	SRJE TASK ID
	00FD 2622	TCBIDIBS EQU	X'FD'	INTERACTIVE BSC TASK ID
13	00FC 2623	TCBIDS44 EQU	X'FC'	SNA 44 TASK ID
	00FE 2624	TCBIDGA EQU	X'FE'	GAIGI TASK ID
	00E0 2625	TCBMAXID EQU	X'EO'	MAXIMUM USER ID
14	006D 2627	TCBPRIQ EQU	TCBTSKID*2	TCB PRIORITY QUEUE CHAINING FIELD
15	006E 2629	TCBSTAT4 EQU	TCBPRIQ+1	ADDITIONAL TCB STATUS
16	0080 2631	TCBSHRC EQU	X'80'	SHUTDOWN RETURN CODE DELIVERED
	0040 2632	TCBATTCH EQU	X'40'	ATTACH YES
	0020 2633	TCBSYSTEM EQU	X'20'	SYSTEM TASK - NOT SUSPENDABLE
	0010 2634	TCBABTRM EQU	X'10'	TASK IS IN ABNORMAL TERMINATION
17	0008 2635	TCB2RCS EQU	X'08'	RECURSIVE TERMINATION DUE TO SVC 22
	0004 2636	TCBCLNPD EQU	X'04'	CANCEL PENDING
	0004 2637	TCBTWCL EQU	X'04'	C.P. CALLED FOR TWA RECOVERY
18	0002 2638	TCBHDPT EQU	X'02'	ERROR ON DUMP - PARTIAL DUMP TAKEN
	0001 2639	TCBHDPPD EQU	X'01'	DUMP PENDING ON CANCEL
19	006F 2641	TCBSTAT5 EQU	TCBSTAT4+1	STATUS BYTE 5
	0080 2643	TCBTHBIT EQU	X'80'	TASK HAS BEEN IN TERMINATION
20	0040 2644	TCBENZPD EQU	X'40'	2 OPTION CANCEL PENDING

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				\$HELP SYSTEM/34 HELP UTILITY
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02	915 *	#E01		

\$HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE

07116800	13	CB89 5F 57 7F 7F	4118	SLC	PPSWAR11(88,XR1),PPSWAR11C,XR1) CLEAR PPSA	07430000	13	CB8F C2 02 D683
07117000	14	CB8D 4C 07 2F D778	4119	MVC	PPSWAR01(8,XR1),HEFORMAT MOVE NAME TO PPSA	07440000	14	CBF3 OF 77 ED67 ED6 CBF9 BC 00 1C
07117400	15	CB92 3C 00 D741	4121	MVI	HEPRMCTR,ZERO RESET PARAMETER COUNTER	07460000	15	CBFC BC 01 1D CBFF C2 01 0058
07117800	16	CB96 3C 40 ED67	4123	MVI	HEUSBUFF+119,BLANK CLEAR OUT WORK	07480000	16	CC03 B4 01 38 CC06 C2 01 ECF0
07118200	17	CB9A 0C 76 ED66 ED67	4124	MVC	HEUSBUFF+118(119),HEUSBUFF+119 STATION BUFFER	07490000	17	CC0A B4 01 21 CC0D BC 40 38
07118600	18	CB9D C2 02 D683	4126	LA	HEUSDTF,XR2 XR2 --> WORKSTATION DTF	07510000	18	CC10 F4 01 04 CC13 13
	19	CB9A BC 00 1C	4129	MVI	HEUSOPMC,XR2),ZERO RESET OP CODE MODIFIER	07540000	19	CC14 C0 87 D65D
	20	CBAC 38 04 D781	4131	TBN	HESWITCH,HERDN960 960 ROLL DOWN LAST REQUEST ?	07551000		
		CBBO F2 90 08	4132	JF	HEO02020 NO - CONTINUE	07552000		
		CB83 38 44 D734	4134	TBN	HETBLSAW+HECONTRL,HESPLIT+HEROLL SPLIT AND ROLL OK ?	07554000		
		CB87 C0 10 CA57	4135	BT	HEO01100 YES - SHOW 2ND HALF OF FORMAT	07555000		

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58 W09/11/81 12/05/81 12:00	01	#HELP SYSTEM/34 HELP UTILITY					PAGE 59 W09/11/81 12/05/81 12:00	01	#HELP SYSTEM/34 HELP UTILITY
		ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT			ERR LOC OBJECT CODE	
	02		0020 2645	TCBNSPD EQU	X'20' 3 OPTION CANCEL PENDING		02		
			0010 2646	TCBMBATH EQU	X'10' TASK IS IN ABNORMAL TERMINATION:				
			0008 2647	TCBMSAFL EQU	X'08' 2 OPTION-FLUSH PROC				
	03		0004 2648	TCBMSAB EQU	X'04' 2 OPTION-CONTINUE PROC		03		
			0002 2649	TCBMOED EQU	X'02' TAKE ASYNC EXIT ON ERROR ONLY				
			0001 2650	TCBOKO EQU	X'01' DISKETTE ORIENT HAS BEEN PROCESSED				
	04		0070 2652	TCBMSCT EQU	TCBSTAT5+1 ALLOCATED WORK STATION COUNT		04		
			0070 2653	TCBCATH EQU	TCBMSCT CURRENT ACTIVE TERMINAL COUNT				
	05		0071 2654	TCBCAT EQU	TCBMSCT+1 CURRENT ACTIVE TERMINAL VARIABLE		05		
			0072 2655	TCBMRTRK EQU	TCBCAT+1 MPT MAXIMUM REQUESTORS ALLOWED				
			0073 2656	TCBNSCNT EQU	TCBMRTRK+1 NOT SHIPPABLE COUNTER				
	06		0074 2657	TCBNCNT EQU	TCBNSCNT+1 NOT CANCELABLE COUNT		06		
			0075 2659	TCBIQNT EQU	TCBNCNT+1 NOT INQUIRABLE COUNT				
	07		0076 2661	TCBARQCT EQU	TCBIQNT+1 ACTIVE REQUESTOR COUNT		07		
			0077 2662	TCBSTAT6 EQU	TCBARQCT+1 STATUS BYTE 6				
	08		0080 2664	TCBATNS EQU	X'80' TASK ATTACHED NON-SHIPPABLE		08		
			0040 2665	TCBOSKTR EQU	X'40' DISKETTE CANCEL RECURSION INDICATOR				
	09		0020 2666	TCBDUMP EQU	X'20' DUMP SHOULD BE TAKEN INDICATOR		09		
			0010 2667	TCBSFILK EQU	X'10' SECURITY-INITIATOR INTERLOCK.				
			0008 2668	TCBNDUMP EQU	X'08' NO DUMP WAS TAKEN FOR ERROR CONDITION				
	10		0004 2669	TCBSILK EQU	X'04' WORKSTATION QUEUE SPACE INTERLOCK		10		
			0002 2670	TCBSMREQ EQU	X'02' SNA REQUIRED				
			0001 2671	TCBDED0 EQU	X'01' DEDICATION OVERRIDE INDICATOR.				
	11		0078 2673	TCBBAT EQU	TCBSTAT6+1 BATCH ACTIVE TIMEOUT COUNT		11		
			0080 2674	TCBDUMPR EQU	X'80' MEDIUM PRIORITY (SEE TCBPRIOR)				
	12		0005 2675	BATCOUNT EQU	5 NUMBER OF TIMEOUTS ALLOWED.		12		
			2676 *		ONLY BITS 1-7 APPLY TO BATCOUNT.				
	13		0079 2678	TCBSUSPS EQU	TCBBAT+1 SUSPENSION STATUS INDICATOR		13		
			0080 2680	TCBSPUNK EQU	X'80' TASK SUSPENDED DUE TO UNLOCK				
	14		0040 2681	TCBSOTSD EQU	X'40' TASK SUSPENDED DUE TO SYSTEM OPERATOR		14		
			0020 2682	TCBINQSP EQU	X'20' TASK SUSPENDED DUE TO INQUIRY				
			0010 2683	TCBSPLSP EQU	X'10' TASK SUSPENDED DUE TO SPOOL SUS/RES				
	15		0002 2684	TCBSOTAC EQU	X'02' TASK SUSPENDED DUE TO ADDRESS COMPARE		15		
			0001 2685	TCBWIOSP EQU	X'01' TASK SUSPENDED DUE TO WS I/O ERROR				
	16		007A 2687	TCBWFGL EQU	TCBSUSPS+1 WSWA INITIALIZATION STATUS.		16		
			2689 *		SEE TUB MACRO (BYTE TUBWFLG) FOR BIT DEFINITIONS WITHIN TCBWFLG.				
	17		007C 2691	TCBSHFPT EQU	TCBWFGL+2 SHF POINTER		17		
			2692 *		THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH				
	18		2693 *		BYTE OF THE SHF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS		18		
			2694 *		A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD.				
	19		0080 2695	TCBSHFDM EQU	X'80' SHF HAS PROCESSED THIS TCB		19		
			2696 *						
	20		007D 2698	TCBX EQU	TCBSHFPT+1 AMOUNT OF TASK SHIPPED OUT		20		

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22 W09/11/81 12/05/81 12:00	01	#HELP SYSTEM/34 HELP UTILITY					PAGE 23 W09/11/81 12/05/81 12:00	01	#HELP SYSTEM/34 HELP UTILITY
		ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT			ERR LOC OBJECT CODE	

07430000 07440000	13	CBF3 OF 77 ED67 ED67 CBF9 BC 00 1C	4169 4170	SLC MVI	HEWSBUFF+119(120),HEWSBUFF+119 ZERO WORKSTATION BUFFER \$WSOPPK,XR2,ZERO RESET OP CODE MODIFIER	07760000 07790000	13
07480000 07490000	15	CBFC BC 01 10 CBFF C2 01 0058	4172 * 4173 4174	\$WSTO OPC-GET, INLEN=88, READ=HEWSBUFF, ROLL-Y MVI \$WSOPC(,2),01 SET SPECIFIED OPERATION CODE LA 88,1 LOAD MAXIMUM INPUT LENGTH IN XR1	07810000	15	
07510000	16	CC03 B4 01 38 CC06 C2 01 ECF0 CC0A B4 01 21	4175 4176 4177	ST \$WSTNL(,2),1 STORE INPUT LENGTH IN DTF LA HEWSBUFF,1 LOAD RECORD AREA ADDRESS IN XR1 ST \$WSRECAK(,2),1 STORE RECORD AREA ADDRESS IN DTF		16	
07530000 07540000	17	CC0D BC 40 38 CC10 F4 01 04 CC13 13	4178 4179 4180	MVI \$WSKMSK(,2),0+64+0+0+0+0 MOVE KEY MASK TO DTF SVC X'04',X'01' CALL WORK STATION DATA MGMT. DC AL1(19) RIB FOR DATA MANAGEMENT		17	
07551000 07552000	18		4181 ***	END OF EXPANSION **		18	
07554000 07555000	19	CC14 C0 87 D65D	4183	B HEO09100	CHECK FOR ERROR RETURN CODE	07830000	19
	20						20

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01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	007E 2700 TCBSTAT7 EQU TCBX+1 TCB STATUS BYTE 7 2701 *	02	
03	0080 2702 TCBSPWTR EQU X'80' SPOOL WRITER ID 0040 2703 TCBSPLRS EQU X'40' SPOOL TERMINATION	03	
04	0080 2705 TCBLN EQU TCBSTAT7+2 LENGTH OF TCB + EXPANSION. 2706 *** END OF EXPANSION **	04	
05		05	
06		06	
07		07	
08		08	
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PAGE 23 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 24 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
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07780000
07790000
07810000
07830000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					\$HELP SYSTEM/34 HELP UTILITY PAGE 61 V09/11/81 12/05/81 12:00
02		2708	*	TUB	02180000
03		2710	*		
04		2711	*	TERMINAL UNIT BLOCK FOR TERMINALS	
05		2712	*		
06		2713	*		
07		2714	*	00 * 01 * 02 * 03 * 04 * 05 * 06 * 07 *	
08		2715	*	ECH * COMPL * FLAG * CMD * CMOO * UNIT@ * DATA@ *	
09		2716	*		
10		2717	*	08 * 09 * 0A	OF *
11		2718	*	COUNT * SENSE BYTES	
12		2719	*		
13		2720	*	10 * 11 * 12 * 13 * 14 * 15 * 16 * 17 *	
14		2721	*	TCB@ * CHAIN * DEVID * QHOR * ERPCT * ERBFG *	
15		2722	*		
16		2723	*	18 * 19 * 1A * 1B * 1C * 1D * 1E * 1F *	
17		2724	*	ERAID * MIC * OPTS * SIOCT * ERNCT * WS- *	
18		2725	*		
19		2726	*	20 * 21 * 22 * 23 * 24 * 25 * 26 * 27 *	
20		2727	*	ID * USWA * TCB * AID * CPAID * RESVD *	
01		2728	*		
02		2729	*	28	2F *
03		2730	*	USER ID	
04		2731	*		
05		2732	*	30 * 31 * 32 * 33 * 34 * 35 * 36 * 37 *	
06		2733	*	OPSTS * JCB@ * TUBTUB * ATTR1 * ATTR2 * ATTR3 *	
07		2734	*		
08		2735	*	38 * 39 * 3A * 3B * 3C * 3D * 3E * 3F *	
09		2736	*	ATTR4 * ATTR5 * ATTR6 * CTSW * APYNT * MSGCT *	
10		2737	*		
11		2738	*	40 * 41 * 42 * 43 * 44 * 45 * 46 * 47 *	
12		2739	*	ASGNL * ASGN@ * ATTR7 * ATTR8 * HELPM *	
13		2740	*		
14		2741	*	48 * 49 * 4A * 4B * 4C * 4D * 4E * 4F *	
15		2742	*	ATTR9 * RFSS * RFN * RFSS * RFDSP * TUBCMK ... *	
16		2743	*		
17		2744	*	50 * 51 * 52 * 53 * 54 * 55 * 56 * 57 *	
18		2745	*	CMK * FMSK * DEXT@ * ATTR@ * MSGID * TUBDMATX *	
19		2746	*		
20		2747	*	58 * 59 * 5A * 5B * 5C * 5D * 5E * 5F *	
01		2748	*	ATTRB * TUBDGTUB * ATTRC * RESERVED	
02		2749	*		

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					\$HELP SYSTEM/34 HELP UTILITY PAGE 25 V09/11/81 12/05/81 12:00
02					

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR S

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12/05/81 12:00	01 SHELV SYSTEM/34 HELP UTILITY	PAGE 62 W09/11/81 12/05/81 12:00	01 SHELV SYSTEM/34 HELP UTILITY
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02 02180000	2751 ***** 2752 * 2753 * TERMINAL UNIT BLOCK FOR PRINTERS * 2754 * 2755 *****		02 2781 ***** 2782 * 2783 *****
04	2756 * 00 * 01 * 02 * 03 * 04 * 05 * 06 * 07 * 2757 * ECM * COMPL * FLAG * CPND * CPDD * UNIT@ * DATA@ * 2758 *****		04 2785 ***** 2786 * 2787 *****
05	2759 * 08 * 09 * 0A * OF * 2760 * COUNT * SENSE BYTES * 2761 *****		05 2789 * 2790 * 2791 *
06	2762 * 10 * 11 * 12 * 13 * 14 * 15 * 16 * 17 * 2763 * TCBD * CHAIN * DEVID * QHDR * ERPCT * ERBFG * 2764 *****		06 0000 2793 TUBEC@
07	2765 * 18 * 19 * 1A * 1B * 1C * 1D * 1E * 1F * 2766 * ERAID * MIC * OPTS * SIOCT * ERRICT * WS- * 2767 *****		07 0080 2795 TUBSS@ 0040 2796 TUBSN@ 0020 2797 TUBSN@
08	2768 * 20 * 21 * 22 * 23 * 24 * 25 * 26 * 27 * 2769 * ID * CFG@ * TCB * PEXTA * RESVD * 2770 *****		08 2798 * 2799 *
09	2771 * 28 * 29 * 2A * 2B * 2C * 2D * 2E * 2F * 2772 * FORMS NUMBER * FPLN * CRLN * MAPP * DPRST * 2773 ***OPTIONAL ADDITION BELOW*****OPTIONAL ADDITION BELOW*****		09 2800 * 2801 * 2802 *
10	2774 * 30 * 31 * 32 * 33 * 34 * 35 * 36 * 37 * 2775 * TUBPSUBC * TUBPGTUB * PATRI * PLPI * RESERVED * 2776 ***OPTIONAL ADDITION ABOVE*****OPTIONAL ADDITION ABOVE*****		10 0001 2804 TUBCO@
11	2777 * 38 * 39 * 3A * 3B * 3C * 3D * 3E * 3F * 2778 * RESERVED * RESERVED * RESERVED * 2779 ***OPTIONAL ADDITION ABOVE*****OPTIONAL ADDITION ABOVE*****		11 0080 2806 TUBSA@ 0040 2807 TUBSC@ 2808 * 2809 * 2810 * 0004 2811 TUBSE@ 2812 *
12			0001 2813 TUBSF@ 0000 2814 TUBSG@
13			0002 2816 TUBFLA@
14			0080 2818 TUBSUE@ 0040 2819 TUBSUD@ 0020 2820 TUBSUT@ 0010 2821 TUBSVA@ 0008 2822 TUBSVM@ 0004 2823 TUBSVE@ 0002 2824 TUBSVE@ 0001 2825 TUBSDT@
15			0003 2827 TUBSVA@
16			0000 2829 TUBSDA@ 0000 2830 TUBSPW@ 0000 2831 TUBSEN@ 0001 2832 TUBSPD@ 0002 2833 TUBSDI@
17			
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12/05/81 12:00	01 SHELV SYSTEM/34 HELP UTILITY	PAGE 26 W09/11/81 12/05/81 12:00	01 SHELV SYSTEM/34 HELP UTILITY
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02	2751 ***** 2752 * 2753 * TERMINAL UNIT BLOCK FOR PRINTERS * 2754 * 2755 *****		02 2781 ***** 2782 * 2783 *****

13		13	CCCA 70 00 04	4
14		14	CCD0 1C 00 CCD0 04	4
15		15	CCD5 C2 01 DA31	4
16		16	CCD9 1C 01 CCE7 00	4
17		17	CCE0 0C 01 D74E CCE7	4
18		18	CCE4 C0 87 0000	4
19		19		
20		20		

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		2781	*		*****
03		2782	*	TERMIN	UNIT BLOCK (TUB) *
04		2783	*		*****
05		2785	*		*****
06		2786	*	COMMON	SECTION OF THE TUB *
07		2787	*		*****
08		2789	*		
09		2790	*	TERMINAL	IOB / PRINTER DCB
10		2791	*		
11	0000	2793	TUBECH	EQU 0	EVENT CONTROL MASK
12	0080	2795	TUBSKIP	EQU X'80'	. NO SKIP BIT
13	0040	2796	TUBREAL	EQU X'40'	. DATA ADDRESS IS REAL
14	0020	2797	TUBSNO	EQU X'20'	. NON I/O EVENT
15	2798	*	EQU	X'10'	. RESERVED (MUST BE ZERO)
16	2799	*	EQU	X'08'	. RESERVED (MUST BE ZERO)
17	2800	*	EQU	X'04'	. RESERVED (MUST BE ZERO)
18	2801	*	EQU	X'02'	. RESERVED (MUST BE ZERO)
19	2802	*	EQU	X'01'	. RESERVED (MUST BE ZERO)
20	0001	2804	TUBCOMPL	EQU TUBECH+1	IOB COMPLETION CODE
21	0080	2806	TUBACTV	EQU X'80'	. IOB REQUEST ACTIVE
22	0040	2807	TUBSCMPL	EQU X'40'	. IOB REQUEST COMPLETE
23	2808	*	EQU	X'20'	. RESERVED (MUST BE ZERO)
24	2809	*	EQU	X'10'	. RESERVED (MUST BE ZERO)
25	2810	*	EQU	X'08'	. NOT USED
26	0004	2811	TUBASGND	EQU X'04'	. INPUT BUFFER ASSIGNED
27	2812	*	EQU	X'02'	. RESERVED FOR PRINTER
28	0001	2813	TUBERR	EQU X'01'	. ERROR FOUND INDICATOR
29	0000	2814	TUBSRCT	EQU X'00'	. REMOTE ACTIVE
30	0002	2816	TUBFLAG	EQU TUBCOMPL+1	FLAG BYTE
31	0080	2818	TUBSERP	EQU X'80'	. INDICATES USER DEFINED ERP
32	0040	2819	TUBSNO2	EQU X'40'	. NO RETURN ON PERMANENT ERROR
33	0020	2820	TUBAUTOB	EQU X'20'	. AUTO INPUT BUFFER ASSIGNMENT
34	0010	2821	TUBSVH	EQU X'10'	. TUB NOT ALLOWED OFF VERTICAL TUBCHAIN
35	0008	2822	TUBONL	EQU X'08'	. DEVICE ONLINE
36	0004	2823	TUBRTISU	EQU X'04'	. READ INPUT ISSUED TO TUB
37	0002	2824	TUBRINCM	EQU X'02'	. READ INPUT NOT COMPLETE
38	0001	2825	TUBSDTCS	EQU X'01'	. DATA IN CONTROL STORE
39	0003	2827	TUBCMD	EQU TUBFLAG+1	IOB COMMAND BYTE
40	00C0	2829	TUBSDA	EQU X'C0'	. LOCAL WORKSTATION DEVICE ADDRESS
41	00E0	2830	TUBSPAW	EQU X'E0'	. NATIVE PRINTER DEVICE ADDRESS
42	00C0	2831	TUBSEXEC	EQU X'C0'	. EXEC I/O OPERATION CODE
43	00C1	2832	TUBSPOLL	EQU X'C1'	. EXEC INVITE OPERATION
44	00C2	2833	TUBSDLE	EQU X'C2'	. QUITSCD

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		00C3	2804		
03		0080	2806		
04		0081	2807		
05		0083	2808		
06		0040	2809		
07		00C0	2811		
08		0003	2813		
09		0004	2814		
10		00A7	2816		
11		0027	2818		
12		0002	2820		
13		0006	2822		
14		0062	2824		
15		0C42	2826		
16		0007	2828		
17		0022	2830		
18		0005	2832		
19		0009	2834		
20		000A	2836		
21		285			
22		286			
23		286			
24		286			
25		286			
26		286			
27		286			
28		286			
29		286			
30		286			
31		0008	287		
32		287			
33		287			
34		287			
35		287			
36		287			
37		287			
38		287			
39		288			
40		288			
41		000C	288		
42		288			
43		288			

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
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13	CCCA 7D 00 04 CCCD F2 81 0E	4270 4271	CLI JE	HESUBR@K,XR1),ZERO HE002090	ANY SUBROUTINE ADDRESS ? NO - CONTINUE	08660000 08670000	13	CCF7 35 01 0750 CCFB 02 01 30
14	CCDO 1C 00 CCDD 04	4273	PMC	HE002080+4(1),HESUBR@K,XR1)	SET SUBR @ TABLE DISP	08690000	14	CCFE 34 01 0754 CD02 35 01 0754 CD06 C2 02 ECF0
15	CCD5 C2 01 DA31 CCD9 1C 01 CCE7 00	4275 4276	LA HE002080 PMC	HESBRTBL,XR1 HE002099+3(2),#(,XR1)	XR1 --> SUBR ADDRESS TABLE SET TO RETURN TO SUBROUTINE	08710000 08720000	15	CD0A 3D 08 0741 CODE F2 84 28
16	CCDE 0C 01 074E CCE7 CCE4 C0 87 0000	4278 4280	HE002090 PMC HE002099 B	#	HELSTRNK(2),HE002099+3 RETURN	08740000 08760000	16	
17							17	
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE	
02	***** *	00C3 2834 TUBSCNCL EQU X'C3'	. CANCEL INVITE OPERATION	02	
	*****	00B0 2835 TUBREXEC EQU X'80'	. REMOTE EXEC I/O OPERATION CODE		
03	***** *	0081 2836 TUBRPOLL EQU X'81'	. REMOTE INVITE OPERATION	03	
	*****	0083 2837 TUBRCNCL EQU X'83'	. REMOTE CANCEL INVITE OPERATION		
04	***** *	0040 2838 TUBMLOCL EQU X'40'	. THIS TUB IS A LOCAL TUB	04	
	*****	00C0 2839 TUBMSUB EQU X'CO'	. (OFF) IF OFF, THIS IS A SUB		
	*****	0003 2840 TUBDEVIC EQU TUBCMD	DEVICE ADDRESS		
05		0004 2842 TUBCMD EQU TUBCMD+1	IOB COMMAND MODIFIER CODE	05	
06		00A7 2844 TUBSPWI EQU X'A7'	. PUT WITH INVITE OPERATION	06	
		0027 2845 TUBSOUPRT EQU X'27'	. OUTPUT OPERATION		
07		0002 2846 TUBSSAVE EQU X'02'	. SAVE TABLE OPERATION	07	
		0006 2847 TUBSSAVS EQU X'06'	. SAVE SCREEN OPERATION		
		0062 2848 TUBSHDSN EQU X'62'	. READ SCREEN INPUT OPERATION		
08		0042 2849 TUBSRDIN EQU X'42'	. READ INPUT FIELDS OPERATION	08	
		0007 2850 TUBSRSTR EQU X'07'	. RESTORE OPERATION		
		0022 2851 TUBSRDMD EQU X'22'	. READ MODIFIED IMMEDIATE		
09		0005 2853 TUBUNIT@ EQU TUBCMD+1	UNIT ADDRESS	09	
		0007 2854 TUBDAT@ EQU TUBUNIT@+2	DATA BUFFER ADDRESS		
		0009 2855 TUBCOUNT EQU TUBDAT@+2	DATA TRANSFER BYTE COUNT		
10		000A 2857 TUBSENS0 EQU TUBCOUNT+1	SENSE BYTE 0	10	
		2859 * DATA STREAM REJECT	* REFERENCE GROUP 1 IN TUBSENS4		
11		2860 * EQU X'80'	. DATA STREAM REJECT	11	
		2861 * WS CONTROL FIELD ERROR	* REFERENCE GROUP 2 IN TUBSENS4		
		2862 * EQU X'40'	. WS CONTROL FIELD ERROR		
12		2863 * RESOURCES NOT AVAILABLE	* REFERENCE GROUP 3 IN TUBSENS4	12	
		2864 * EQU X'20'	. RESOURCES TEMPORARILY NOT AVAILABLE		
		2865 * EQU X'10'	. WS CONTROLLER DBO/OBI PARITY CHECK		
13		2866 * EQU X'08'	* REFERENCE GROUP 4 IN TUBSENS4	13	
		2867 * EQU X'04'	. OPERATION CHECK		
		2868 * EQU X'02'	. WS CONTROLLER STORAGE PARITY CHECK		
14		2869 * EQU X'01'	. RESERVED	14	
		2870 * EQU X'01'	. WS CONTROLLER LONG TIME OUT		
15		0008 2872 TUBSENS1 EQU TUBSENS0+1	SENSE BYTE 1	15	
		2874 * SCREEN FORMAT ERROR	* REFERENCE GROUP 5 IN TUBSENS4		
16		2875 * EQU X'80'	. SCREEN FORMAT ERROR	16	
		2876 * EQU X'40'	. NO RESPONSE TIME OUT		
		2877 * EQU X'20'	. TRANSMIT ACTIVITY CHECK		
17		2878 * EQU X'10'	. ACTIVATE COMMAND FAILURE	17	
		2879 * EQU X'08'	. RECEIVE PARITY CHECK		
		2880 * EQU X'04'	. RECEIVE LENGTH CHECK		
18		2881 * EQU X'02'	. NOT USED	18	
		2882 * EQU X'01'	. EVEN/ODD TIME OUT		
19		000C 2884 TUBSENS2 EQU TUBSENS1+1	SENSE BYTE 2	19	
		2886 * EQU X'80'	. DEVICE HUNG BUSY		
20		2887 * EQU X'40'	. LINE PARITY CHECK	20	

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

09090000	13
09100000	14
09120000	15
09140000	16
09150000	17
09170000	18
09180000	19
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CD55 00 40 00	13
CD50 F2 81 25	14
CD50 1C 07 0789 07	15
CD60 C2 01 0782	16
CD64 7D 60 00	17
CD67 F2 81 07	18
CD6A 02 01 01	19
CD60 C0 87 CD64	20

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HELP SYSTEM/34 HELP UTILITY		PAGE 66 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
	0006 2942 TUB\$ROUK EQU X'06' . READ ISSUED TO UNLOCKED KEYBOARD ERROR	
	0007 2943 TUB\$POFF EQU X'07' . MS IS POWERED OFF	
	2944 * EQU X'08' . RESERVED	
	2945 * EQU X'09' . SAVE OR RESTORE ERROR	
	2947 * GROUP 4 - OPERATION CHECK ERRORS	
	2948 * (REFERENCE TUBSEN50 BIT4)	
	2950 * EQU X'01' . SERDES TIME OUT	
	2951 * EQU X'02' . TIME OUT ON CYCLE STEAL DATA	
	2952 * EQU X'05' . ATOM NOT PROCESSING KEYSTROKES	
	2954 * GROUP 5 - SCREEN FORMAT ERRORS	
	2955 * (REFERENCE TUBSEN51 BIT0)	
	2957 * EQU X'01' . INVALID FIELD LENGTH ERROR	
	2958 * EQU X'02' . RESEQUENCE ERROR IN FORMAT TABLE	
	2959 * EQU X'03' . CHECK DIGIT ERROR	
	000F 2961 TUBSEN55 EQU TUBSEN54+1 SENSE BYTE 5	
	2962 * EQU X'08'	
	000F 2963 TUBSENSE EQU TUBSEN5+6 SENSE BYTES	
	0011 2964 TUBTCB# EQU TUBSENSE+2 TCB ADDRESS FOR DATA BUFFER ATR5	
	2966 * ERROR RECOVERY BLOCK (ERB)	
	2967 *	
	2968 *	
	0013 2970 TUBCHAIN EQU TUBTCB#+2 TUB CHAIN FIELD	
	0014 2972 TUBDEVID EQU TUBCHAIN+1 TUB DEVICE ID FOR ERP	
	00E0 2974 TUBSTANZ EQU X'E0' . 5211 LINE PRINTER	
	00E1 2975 TUBSPRPA EQU X'E1' . 5256 WORKSTATION SERIAL PRINTER	
	00E2 2976 TUBSINGLD EQU X'E2' . 650 LPM LINE PRINTER	
	00E3 2977 TUB\$MTR EQU X'E3' . MTR PRINTER	
	00C0 2978 TUB\$KBC? EQU X'C0' . KEYBOARD DISPLAY WORKSTATION	
	0015 2980 TUBQHDR EQU TUBDEVID+1 QUEUE HEADER POINTER FOR PRINTER	
	0016 2982 TUBERPCT EQU TUBQHDR+1 ERP CONTROL BYTE	
	2984 *	
	2985 * SEE THE ERBDCTL FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.	
	2986 *	
	0017 2988 TUBERBFG EQU TUBERPCT+1 E.B FLAG BYTE	
	2990 *	
	2991 * SEE THE ERBDFLG FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.	
	2992 *	
	0018 2994 TUBERAID EQU TUBERBFG+1 ERROR AID FLAG BYTE	
	001A 2995 TUBMIC EQU TUBERAID+2 ERP MESSAGE ID CODE	

HELP SYSTEM/34 HELP UTILITY	01
ERR LOC OBJECT CODE	02
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HELP SYSTEM/34 HELP UTILITY		PAGE 30 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	

HELP SYSTEM/34 HELP UTILITY	01
ERR LOC OBJECT CODE	

13	CD55 00 40 00 CD58 F2 81 25	4384 4385	CL1 JE	0C, XR2), BLANK HE002240	HILL PARAMETER ? YES - CONTINUE	09800000 09810000
14	CD58 1C 07 0789 07 CD60 C2 01 0782	4387 4388	PWC LA	HEWOK+7(CB), 7C, XR1) HEWOK, XR1	MOVE KEYWORD TO WORK AREA XR1 --> WORK AREA	09830000 09840000
15	CD64 7D 60 00 CD67 F2 81 07	4390 4391	HE002220 CL1 JE	0C, XR1), HECDASH HE002230	THIS A DASH ? YES - CONTINUE	09860000 09870000
16	CD6A D2 01 01 CD60 C0 87 CD64	4393 4394	LA B	1C, XR1), XR1 HE002220	XR1 --> NEXT CHAR IN KEYWORD CHECK THIS CHARACTER	09890000 09900000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					SHHELP SYSTEM/34 HELP UTILITY
02					ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
03					001R 2997 TUBOPTS EQU TUBMIC+1 ERP MESSAGE OPTIONS
04					2999 * 3000 * SEE THE ERBOPT FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS. 3001 *
05					3003 * 3004 * MISCELLANEOUS DATA 3005 *
06					001D 3007 TUBSIOCT EQU TUBOPTS+2 START IO COUNT 001E 3008 TUBERRCT EQU TUBSIOCT+1 ERROR RETRY COUNT 0020 3009 TUBASID EQU TUBERRCT+2 LOGICAL ID OF THE TERMINAL OR PRINTER
07					0022 3010 TUBASMA EQU TUBASID+2 SS OF WORK STATION WORK AREA 0022 3011 TUBPCFGa EQU TUBASMA SS OF PRINTER CONFIGURATION RECORD 0024 3012 TUBTCB EQU TUBPCFGa+2 TUB OWNER TCB ADDRESS AND ... 3013 * PRINTER QHDR
08					0024 3014 TUBCOMON EQU TUBTCB END OF COMMON PORTION OF TUB
09					
10					3016 ***** 3017 * DEVICE DEPENDENT SECTION OF THE TUB * 3018 *****
11					
12					3020 * 3021 * DISPLAY DATA 3022 *
13					0025 3024 TUBAID EQU TUBCOMON+1 AID BYTE (CENTER, REC ADV , ETC.)(DISPLAYS) 0026 3025 TUBCPAID EQU TUBAID+1 AID BYTE (INQUIRY, SYS REQ) (DISPLAYS) 0027 3026 TUBRESV EQU TUBCPAID+1 RESERVED BYTE
14					002F 3027 TUBUSER EQU TUBRESV+8 OPERATOR ID 0030 3028 TUBOPSTS EQU TUBUSER+1 OPERATOR STATUS 0032 3029 TUBJCBa EQU TUBOPSTS+2 ADDRESS OF JCB 0034 3030 TUBTUB EQU TUBJCBa+2 TUBCHAIN FOR SYS REQ AND INQUIRY
15					0035 3032 TUBATTR1 EQU TUBTUB+1 ATTRIBUTE BYTE 1
16					0080 3034 TUBMCH EQU X'80' . MASTER CONSOLE 0040 3035 TUBACN EQU X'40' . ALTERNATE CONSOLE
17					0020 3036 TUBCHDT EQU X'20' . COMMAND TERMINAL(OND-DATA TERM(OFF)) 0010 3037 TUBSGN EQU X'10' . TERMINAL SIGNED ON 0008 3038 TUBTSRQ EQU X'08' . TEST REQUEST MODE
18					0004 3039 TUBSTPJ EQU X'04' . JOB INITIATION NOT ALLOWED 0002 3040 TUBLIOFR EQU X'02' . LASHA FORMATTED WITH LIO DISPLAY 0001 3041 TUBFCNSL EQU X'01' . CONSOLE MODE FORCED BY I/O ERROR
19					0036 3043 TUBATTR2 EQU TUBATTR1+1 TERMINAL MODE AND DISPLAY
20					3045 *****

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					SHHELP SYSTEM/34 HELP UTILITY
02					ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

09800000	09810000
09830000	09840000
09860000	09870000
09890000	09900000

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ASSOCIATED TASKS.			
OF PRINTER			
RECORD			
ETC.(DISPLAYS)			
(DISPLAYS)			
QUIRY			
TERMKOFF)			
DISPLAY			
D ERROR			

01	HELP SYSTEM/34 HELP UTILITY	PAGE 68	09/11/81	12/05/81	12:00
02	ERR LOC OBJECT CODE	ADDR	SYMT	SOURCE STATEMENT	
03	3046 *			TERMINAL NODE INDICATORS	*
04	3047 *			*****	
05	3048 *	1000		- STANDBY NODE	*
06	3049 *	0000		- CONSOLE NODE	*
07	3050 *	0110		- COMMAND NODE	*
08	3051 *			*****	
09	0000	3052	TUBSTBY	EQU X'80'	- TERMINAL IN STANDBY MODE (ON)
10	004C	3053	TUBCONS	EQU X'40'	- TERMINAL IN CONSOLE MODE (OFF)
11	0040	3054	TUBHSTN	EQU X'40'	- TERMINAL IN HORIZN/STN MODE (ON)
12	0020	3055	TUBCMD	EQU X'20'	- TERMINAL IN COMMAND MODE (ON)
13	0010	3056	TUBDATA	EQU X'10'	- TERMINAL IN DATA MODE (ON)
14	0070	3057	TUBDPE	EQU X'70'	- TERMINAL IN DATA MODE ESCAPE (ON)
15	0030	3058	TUBINIT	EQU X'30'	- TERMINAL IN INITIAL MODE (OFF)
16	0008	3060	TUBEMEA	EQU X'08'	- MENU DISPLAY ACTIVE
17	0004	3061	TUBSTAT	EQU X'04'	- STATUS DISPLAY ACTIVE
18	0002	3062	TUBDPA	EQU X'02'	- SYSIN/SYSLOG DISPLAY ACTIVE
19	0001	3063	TUBDGA	EQU X'01'	- MSG DISPLAY ACTIVE
20	0037	3065	TUBATTR3	EQU TUBATTR2+1	INVITE INDICATORS
21	0000	3067	TUBIIS	EQU X'80'	- INVITE SCHEDULED TO TUB
22	0040	3068	TUBIME	EQU X'40'	- IMPLICIT INVITE TO TUB
23	0020	3069	TUBIPS	EQU X'20'	- TUB INVITED VIA PRUF
24	0010	3070	TUBIARF	EQU X'10'	- AUTO RUF INVITE
25	0008	3071	TUBIIS	EQU X'08'	- SAVE FOR TUBIIS STATUS
26	0004	3072	TUBIMI	EQU X'04'	- SAVE FOR TUBIMI STATUS
27	0002	3073	TUBIPS	EQU X'02'	- SAVE FOR TUBIPS STATUS
28	0001	3074	TUBIARF	EQU X'01'	- SAVE FOR TUBIARF STATUS
29	0038	3076	TUBATTR4	EQU TUBATTR3+1	INQUIRY/SYS REQ AND MISC
30	0000	3078	TUBHQ	EQU X'80'	- TUB ON HORIZONTAL QUEUE
31	0040	3079	TUBINQ1	EQU X'40'	- INQUIRY1 TUB
32	0020	3080	TUBINQ2	EQU X'20'	- INQUIRY2 TUB
33	0010	3081	TUBIQP	EQU X'10'	- INQUIRY MENU IS PENDING
34	0008	3082	TUBRST1	EQU X'08'	- RESTORE SCREEN - INQ OR SYS REQ
35	0004	3083	TUBRST2	EQU X'04'	- RESTORE SCREEN - MSG OR SYSLOG
36	0002	3084	TUBLOS	EQU X'02'	- SYSIN/SYSLOG DISPLAY HAS BEEN SAVED
37	0001	3085	TUBDEL	EQU X'01'	- I DELETE FUNCTION IS ACTIVE
38	0039	3087	TUBATTR5	EQU TUBATTR4+1	RELEASE INDICATORS
39	0000	3089	TUBORY	EQU X'80'	- RESTORE-Y ON OCL STATEMENT
40	0040	3090	TUBORW	EQU X'40'	- RESTORE-W ON OCL STATEMENT
41	0020	3091	TUBLOP	EQU X'20'	- LAST OP TO THE TUB WAS A PUT
42	0010	3092	TUBRSV	EQU X'10'	- RELEASE STOP INV WORKED
43	0008	3093	TUBRSF	EQU X'08'	- RELEASE STOP INV FAILED
44	0004	3094	TUBREL	EQU X'04'	- TUB HAS BEEN RELEASED
45	0002	3095	TUBSAQ	EQU X'02'	- SRT HAS RELEASED REQUESTOR
46	0001	3096	TUBATTR6	EQU X'01'	- CALL TERMINATOR PRIOR TO RELEASE
47	003A	3098	TUBATTR6	EQU TUBATTR5+1	

01	HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE
03	3046 *
04	3047 *
05	3048 *
06	3049 *
07	3050 *
08	3051 *
09	0000
10	004C
11	0040
12	0020
13	0010
14	0070
15	0030
16	0008
17	0004
18	0002
19	0001
20	0037
21	0000
22	0040
23	0020
24	0010
25	0008
26	0004
27	0002
28	0001
29	0038
30	0000
31	0040
32	0020
33	0010
34	0008
35	0004
36	0002
37	0001
38	0039
39	0000
40	0040
41	0020
42	0010
43	0008
44	0004
45	0002
46	0001
47	003A

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01	HELP SYSTEM/34 HELP UTILITY	PAGE 32	09/11/81	12/05/81	12:00
02	ERR LOC OBJECT CODE	ADDR	SYMT	SOURCE STATEMENT	

01	HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE

13	CDAB 35 01 D75C CDAC 1C 00 D735 01	4444 4445	L MVC	HETABLE@,XR1 HETBL SAV+HETYPE(1),HETYPE<,XR1>	XR1 --> CURRENT TABLE ENTRY RESTORE TYPE CODE	10390000 10400000
14	CDB1 C2 01 2004 CDB5 C0 87 D5DD	4447 4448	LA B	HEMC2004,XR1 HE009000	XR1 --> MIC 2004 CALL THE ERROR ROUTINE	10420000 10430000
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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	0080 3100 TUBUSUP EQU	X'80'			. USER DISPLAY IS UP	
	0040 3101 TUBUSSV EQU	X'40'			. USER DISPLAY SAVED	
	0020 3102 TUBSYLST EQU	X'20'			. SYSLIST DISPLAY UP	
03	0010 3103 TUBMBDCF EQU	X'10'			. BROADCAST FAILURE	
	0008 3104 TUBMROTA EQU	X'08'			. MRT PROC WITH DATA ENTERED	
	0004 3105 TUBSRTLK EQU	X'04'			. SAVE/RESTORE INTERLOCK	
04	0002 3106 TUBHPND EQU	X'02'			. HELP FUNCTION PENDING	
	0001 3107 TUBKBULK EQU	X'01'			. KEYBOARD UNLOCKED	
	003C 3109 TUBCTSAV EQU	TUBATTR6+2			SAVEAREA FOR TUBCOUNT	
	003E 3110 TUBAPRNT EQU	TUBCTSAV+2			ID OF ASSOCIATED PRINTER	
	003F 3111 TUBMSGCT EQU	TUBAPRNT+1			MESSAGE COUNT	
06	0080 3112 TUBMSGRT EQU	X'80'			. LEVEL 0 INQ MSG HAS BEEN REROUTED(REL4)	
	0040 3113 TUBMSGR2 EQU	X'40'			. LEVEL 1 INQ MSG HAS BEEN REROUTED(REL4)	
	0041 3114 TUBASGNL EQU	TUBMSGCT+2			ASSIGNED BUFFER LENGTH	
07	0043 3115 TUBASGNB EQU	TUBASGNL+2			ASSIGNED BUFFER ADDRESS	
	0044 3117 TUBATTR7 EQU	TUBASGNB+1			ATTRIBUTE BYTE 7	
08	0080 3119 TUBSRQPD EQU	X'80'			. SYS REQ IS PENDING	
	0040 3120 TUBIOERR EQU	X'40'			. PERMANENT I/O ERROR ON THIS TUB	
09	0020 3121 TUBIQRD EQU	X'20'			. INQUIRY DISABLED ON THIS TUB	
	0010 3122 TUBCHDRJ EQU	X'10'			. COMMAND REJECT ON THIS TUB	
	0008 3123 TUBREADY EQU	X'08'			. TUB IN READY MODE	
10	0004 3124 TUBLIOER EQU	X'04'			. LOGICAL I/O ERROR	
	0002 3125 TUBLIOIP EQU	X'02'			. LOGICAL I/O IN PROGRESS	
	0001 3126 TUBRDYTP EQU	X'01'			. READY FUNCTION IN PROGRESS	
	0045 3128 TUBATTR8 EQU	TUBATTR7+1			ATTRIBUTE BYTE 8	
12	0080 3130 TUBALRM EQU	X'80'			. SOUND ALARM AND TURN ON LIGHT	
	0040 3131 TUBLTOFF EQU	X'40'			. TURN OFF MESSAGE LIGHT	
	0020 3132 TUBASENT EQU	X'20'			. ALARM HAS BEEN SENT	
13	0010 3133 TUBMDOTA EQU	X'10'			. MODIFIED DATA TAG	
	3134 * EQU	X'08'			. RESERVED FOR WSTOCH	
	3135 * EQU	X'04'			. RESERVED FOR WSTOCH	
14	3136 * EQU	X'02'			. RESERVED FOR WSTOCH	
	3137 * EQU	X'01'			. RESERVED FOR WSTOCH	
15	0047 3139 TUBHELPM EQU	TUBATTR8+2			HELP KEY HIC AREA	
	0047 3140 TUBGCHAR EQU	TUBHELPM			OR GAIJI CHARACTER ON AID REQUEST	
16	0048 3142 TUBATTR9 EQU	TUBHELPM+1			ATTRIBUTE BYTE 8	
	0080 3144 TUBBADGE EQU	X'80'			. THIS TUB HAS BADGE SECURITY	
17	0040 3145 TUB960 EQU	X'40'			. THIS TUB IS FOR A 960 CHAR SCREEN	
	0020 3146 TUBMENU2 EQU	X'20'			. DISPLAY PAGE 2 OF MENU ON 960	
	0010 3147 TUBMRTSC EQU	X'10'			. MRT SECURITY SWITCH	
18	0008 3148 TUBCVRD EQU	X'08'			. REJECT IN READY FUNCTION	
	0004 3149 TUBSVER1 EQU	X'04'			. ERROR DURING SAVE - STATUS OR CNL SYSLG	
	0002 3150 TUBSVER2 EQU	X'02'			. ERROR DURING SAVE - SYS REQ OR INQUIRY	
19	0001 3151 TUBRDYPD EQU	X'01'			. READY TASK IS PENDING	
20	3153 *				REJECT FILE INDEX	

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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	

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15	CE0A 6C 02 18 00	4502	MVC
16	CE0E F4 01 40	4504	SVC
17	CE11 75 01 07	4506	L
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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	004A	3154	TUBRFSS EQU TUBATTR9+2	REJECT FILE - SS			
	004B	3155	TUBRFN EQU TUBRFSS+1	REJECT FILE - NUMBER SECTORS			
	004C	3156	TUBRFSS EQU TUBRFN+1	REJECT FILE - CURRENT SECTOR			
03	004D	3157	TUBRFDSP EQU TUBRFSS+1	REJECT FILE - RELATIVE DISPLACEMENT			
		3158 *					
04	004E	3159	TUBCMSK1 EQU TUBRFDSP+1	FIRST COMMAND KEY MASK BYTE			
	0080	3160	TUBCMD8 EQU X'80'	ENABLE COMMAND KEY 8			
	0040	3161	TUBCMD7 EQU X'40'	ENABLE COMMAND KEY 7			
	0020	3162	TUBCMD6 EQU X'20'	ENABLE COMMAND KEY 6			
05	0010	3163	TUBCMD5 EQU X'10'	ENABLE COMMAND KEY 5			
	0008	3164	TUBCMD4 EQU X'08'	ENABLE COMMAND KEY 4			
	0004	3165	TUBCMD3 EQU X'04'	ENABLE COMMAND KEY 3			
06	0002	3166	TUBCMD2 EQU X'02'	ENABLE COMMAND KEY 2			
	0001	3167	TUBCMD1 EQU X'01'	ENABLE COMMAND KEY 1			
07	004F	3168	TUBCMSK2 EQU TUBCMSK1+1	SECOND COMMAND KEY MASK BYTE			
	0080	3169	TUBCMD12 EQU X'80'	ENABLE COMMAND KEY 12			
	0040	3170	TUBCMD11 EQU X'40'	ENABLE COMMAND KEY 11			
	0020	3171	TUBCMD10 EQU X'20'	ENABLE COMMAND KEY 10			
08	0010	3172	TUBCMD9 EQU X'10'	ENABLE COMMAND KEY 9			
	0008	3173	TUBCMD24 EQU X'08'	ENABLE COMMAND KEY 24			
	0004	3174	TUBCMD23 EQU X'04'	ENABLE COMMAND KEY 23			
09	0002	3175	TUBCMD22 EQU X'02'	ENABLE COMMAND KEY 22			
	0001	3176	TUBCMD21 EQU X'01'	ENABLE COMMAND KEY 21			
	0050	3177	TUBCMSK3 EQU TUBCMSK2+1	THIRD COMMAND KEY MASK BYTE			
10	0080	3178	TUBCMD20 EQU X'80'	ENABLE COMMAND KEY 20			
	0040	3179	TUBCMD19 EQU X'40'	ENABLE COMMAND KEY 19			
	0020	3180	TUBCMD18 EQU X'20'	ENABLE COMMAND KEY 18			
11	0010	3181	TUBCMD17 EQU X'10'	ENABLE COMMAND KEY 17			
	0008	3182	TUBCMD16 EQU X'08'	ENABLE COMMAND KEY 16			
	0004	3183	TUBCMD15 EQU X'04'	ENABLE COMMAND KEY 15			
12	0002	3184	TUBCMD14 EQU X'02'	ENABLE COMMAND KEY 14			
	0001	3185	TUBCMD13 EQU X'01'	ENABLE COMMAND KEY 13			
	0050	3186	TUBCMSK EQU TUBCMSK3	COMMAND KEY MASK			
13	0051	3187	TUBFMSK EQU TUBCMSK+1	FUNCTION KEY MASK			
	0080	3188	TUBPRT EQU X'80'	ENABLE PRINT KEY			
	0040	3189	TUBRLUP EQU X'40'	ENABLE ROLL UP KEY			
14	0020	3190	TUBRLDN EQU X'20'	ENABLE ROLL DOWN KEY			
	0010	3191	TUBCLR EQU X'10'	ENABLE CLEAR KEY			
	0008	3192	TUBHELP EQU X'08'	ENABLE HELP KEY			
15	0004	3193	TUBRCBK EQU X'04'	ENABLE RECORD BACKSPACE KEY			
		3194 *	EQU X'02'	RESERVED			
		3195 *	EQU X'01'	RESERVED			
16	0053	3196	TUBDXTA EQU TUBFMSK+2	REMOTE WORKSTATIONS TUB (RWSTB)			
		3197 *	NOTE: THE ABOVE EQUATE IS THE DISPLAY STATION TUB POINTER				
		3198 *	TO THE RWS TUB. SEE PRINTER EQUATES FOR THE PRINTER				
		3199 *	TUB'S POINTER TO THE RWS TUB.				
17	0054	3200	TUBATTR EQU TUBDXTA+1	ATTRIBUTE BYTE 10			
	0080	3201	TUBCLRAD EQU X'80'	. CLEAR AIDS			
18	0040	3202	TUBSLOCK EQU X'40'	. LOCK CONTROL			
	0020	3203	TUBDFF EQU X'20'	. OFF OCL STATEMENT RECEIVED			
	0010	3204	TUBHOLD EQU X'10'	. HOLD PARAMETER FOR OFF COMMAND (OND)			
19		3205 *		NOTE THAT IF THIS BIT IS NOT ON			
		3206 *		IT INDICATES THE DROP PARAMETER			
20	0008	3207	TUBSUBCN EQU X'08'	. SUBCONSOLE WORKSTATION			

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0004	3208	TUBPCOUT EQU				
	0002	3209	TUBINDSUB EQU				
03	0001	3210	TUBRMODE EQU				
	0055	3211	TUBSGID EQU				
	0057	3212	TUBDPATX EQU				
04	0058	3214	TUBATTR EQU				
	0080	3216	TUBCOPY EQU				
	0040	3217	TUBKORD EQU				
	0020	3218	TUBKORL EQU				
	0010	3219	TUBGATJ EQU				
06	0008	3220	TUBRFOV EQU				
		3221 *	EQU				
		3222 *	EQU				
		3223 *	EQU				
07	005A	3224	TUBDGTUB EQU				
		3225 *	EQU				
08	005B	3226	TUBATTR EQU				
	0080	3226	TUBDLEJ EQU				
	0040	3229	TUBDUNG EQU				
	0020	3230	TUBDUNFL EQU				
	0010	3231	TUBDUN EQU				
	0008	3232	TUB21G EQU				
	0018	3233	TUB21G EQU				
	0004	3234	TUBDHELP EQU				
	0002	3235	TUBDLOPT EQU				
	0001	3236	TUBDOPER EQU				
	005F	3237	TUBDSD EQU				
	0060	3238	TUBLEN EQU				
		3240 *					
		3241 *****					
		3242 *	PRIN				
		3243 *****					
		3244 *					
	0026	3246	TUBPEXTA EQU				
	0027	3247	TUBPRESV EQU				
	0028	3248	TUBPPFLN EQU				
	002C	3249	TUBPPFLM EQU				
	002D	3250	TUBPCRLN EQU				
	002E	3251	TUBPPMPP EQU				
	002F	3252	TUBPPMST EQU				
	0080	3253	TUBPPMPP EQU				
	0040	3254	TUBDOPST EQU				
	0020	3255	TUBDXTD EQU				
		3256 *	EQU				
		3257 *	EQU				
		3258 *	EQU				

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	1421 *		NUCEQ	02060000	1475 *	0380	TEMP
	1422		*****		1476 *		
	1423 *		MAIN STORAGE NUCLEUS		1477 *	0380	TEMP
03	1424		*****		1478 *		
	1425		*****		1479 *	0380	PERM
	1426 *	ADDR	NAME	SIZE (HEX) SIZE (DEC)	1480 *		
	1427		*****				

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	1475 *	0380	TEMP				
	1476 *						
	1477 *	0380	TEMP				
	1478 *						
	1479 *	0380	PERM				
	1480 *						

15	CE0A 6C 02 18 00	4502	MVC	\$IOBDS\$(3,XR1),0C,XR2)	MOVE FORMAT @ TO IOB	10890000
16	CE0E F4 01 40	4504	SVC	SVCFD,QAUIT		10910000
17	CE11 75 01 07	4506	L	\$IOBDDAT(,XR1),XR1	XR1 --> IOB BUFFER	10930000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	0004	3208	TUBMCDUT	EQU	X'04' . ENTER HAS BEEN PRESSED AT THE SUBCONS
	0002	3209	TUBNOSUB	EQU	X'02' . ASSIGN NOSUB ACTIVE ON THIS DEVICE
	0001	3210	TUBRDMOD	EQU	X'01' . PERFORM READ MODIFIED
	0055	3211	TUBMSGID	EQU	TUBATTR+1 NEXT REPLY ID TO USE AT SUBCONSOLE
	0057	3212	TUBMATX	EQU	TUBMSGID+2 ADDRESS OF SUBCONSOLE MATRIX
	0058	3214	TUBATTRB	EQU	TUBMATX+1 ATTRIBUTE BYTE 11
	0080	3216	TUBKOPLY	EQU	X'80' . IGC CAPABLE DISPLAY
	0040	3217	TUBKKB0	EQU	X'40' . IGC CAPABLE KEYBOARD
	0020	3218	TUBKANJ	EQU	X'20' . THIS SESSION IN IGC MODE
	0010	3219	TUBGALJD	EQU	X'10' . EXTD PROCESSING ON
	0008	3220	TUBRJFOV	EQU	X'08' . FILE OVERFLOW OF THE REJECT FILE
	3221	*	EQU	X'04' . RESERVED	
	3222	*	EQU	X'02' . RESERVED	
	3223	*	EQU	X'01' . RESERVED	
	005A	3224	TUBDGTUB	EQU	TUBATTRB+2 DISPLAY STATION POINTER TO GALJI TUB
	3225	*	EQU	X'01' REFERENCE GEXTB MACRO FOR DESCRIPTION	
	0058	3226	TUBATTRC	EQU	TUBDGTUB+1 ATTRIBUTE BYTE 12
	0080	3228	TUBOILGJ	EQU	X'80' . 0 OPTION TAKEN ON INVALID EXTN CHAR
	0040	3229	TUBOUNGJ	EQU	X'40' . 0 OPTION ON AN UNDEFINED EXTN CHAR
	0020	3230	TUBORPFL	EQU	X'20' . 0 OPTION ON A RAM FULL ERROR
	0010	3231	TUBZRF	EQU	X'10' . 2 OPTION TAKEN ON A RAM FULL ERROR
	0008	3232	TUBZ1G	EQU	X'08' . 2 OPTION ON AN INVALID EXTN CHAR
	0018	3233	TUBZUG	EQU	X'18' . 2 OPTION ON AN UNDEFINED EXTN CHAR
	0004	3234	TUBMHELP	EQU	X'04' . HIGH LEVEL HELP AID IN PROGRESS
	0002	3235	TUBLOPT	EQU	X'02' . 1 OPTION TAKEN ON ABOVE ERROR
	0001	3236	TUBRAMER	EQU	X'01' . SET OFF USQS INTLK ON LOAD RAM ERROR
	005F	3237	TUBRSVD	EQU	TUBATTRC+4 RESERVED
	0060	3238	TUBLEN	EQU	TUBRSVD+1 LENGTH OF A DISPLAY TUB
	3240	*	EQU	X'01' RESERVED	
	3241	*	EQU	X'01' RESERVED	
	3242	*	EQU	X'01' RESERVED	
	3243	*	EQU	X'01' RESERVED	
	3244	*	EQU	X'01' RESERVED	
	0026	3246	TUBPEXT@	EQU	TUBCOMON+2 REMOTE WORKSTATION TUB ADDRESS (PRINTERS)
	0027	3247	TUBPRESV	EQU	TUBPEXT@+1 RESERVED BYTE
	002B	3248	TUBPFMND	EQU	TUBPRESV+4 FORMS NUMBER
	002C	3249	TUBPFMLN	EQU	TUBPFMND+1 FORMS LENGTH (LINES/PAGE)
	002D	3250	TUBPCRLN	EQU	TUBPFMLN+1 CURRENT LINE
	002E	3251	TUBPKRPP	EQU	TUBPCRLN+1 MAX PRINT POSITION (HORIZONTAL)
	002F	3252	TUBPRST	EQU	TUBPKRPP+1 PRINTER STATUS BYTE
	0080	3253	TUBSPUM	EQU	X'80' . POST USER ON ERROR MESSAGE
	0040	3254	TUBSDPST	EQU	X'40' . PRINTER PAST READY
	0020	3255	TUBBEXTD	EQU	X'20' . THIS PRINTER TUB HAS AN ADDITION
	3256	*	EQU	X'10' . RESERVED	
	3257	*	EQU	X'08' . RESERVED	
	3258	*	EQU	X'04' . RESERVED	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02060000	1475	* 0380	TERMINATION DUMP IOB	0020	32	NURDIOB *
	1476	*				*
	1477	* 03D0	TERMINATION DUMP ACE	0010	16	NURDSPACE *
	1478	*				*
	1479	* 03E0	PERMANENT SWAP ACE	0010	16	NURSPACE *
	1480	*				*
	1481	* 03F0	IPL ASSIGN/FREE AREA	0310	784	NURDPLAF *

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
		3285 *		TWAEQ		02200000
		3286 *				
		3287 *		GENERAL TASK WORK AREA ACCESS EQUATES		
		3288 *				
	0001	3289	TWAPUT	EQU	X'01'	PUT TO TASK WORK AREA
	0000	3290	TWAGET	EQU	X'00'	GET FROM TASK WORK AREA
	0002	3291	TWASYS	EQU	X'02'	SYSTEM REQUEST (XRI = TCB @)
	0004	3292	TWASIA	EQU	X'04'	USE WORKSTATION WORK AREA
	0000	3293	TWATWA	EQU	X'00'	USE ALLOCATED TASK WORK AREA
	0040	3294	TWAREAL	EQU	X'40'	DATA AREA IN REAL STORAGE
	0000	3295	TWAXLATE	EQU	X'00'	DATA AREA IN TRANSLATED STORAGE
		3296 *				
		3297 *		WORKSTATION WORK AREA - ONE PER COMMAND WORKSTATION		
		3298 *				
	0000	3299	TPP#EOV	EQU	0	TAG 0 - SAVE AREA FOR RD EDV
	0001	3300	TWAPPS12	EQU	1	TAG 1 - PROCEDURE PARM SAVE AREA
	0002	3301	TWAPPS34	EQU	2	TAG 2 - PROCEDURE PARM SAVE AREA
	0003	3302	TWAPPS56	EQU	3	TAG 3 - PROCEDURE PARM SAVE AREA
	0004	3303	TWAPPS78	EQU	4	TAG 4 - PROCEDURE PARM SAVE AREA
	0005	3304	TWAPPS9A	EQU	5	TAG 5 - PROCEDURE PARM SAVE AREA
	0006	3305	TWAPPSBC	EQU	6	TAG 6 - PROCEDURE PARM SAVE AREA
	0007	3306	TWAPPSDE	EQU	7	TAG 7 - PROCEDURE PARM SAVE AREA
	0008	3307	TWAPPSFO	EQU	8	TAG 8 - PROCEDURE PARM SAVE AREA
	0009	3308	TWAPLCL	EQU	9	TAG 9 - LOCAL AREA
	000A	3309	TWAPPSINS	EQU	10	TAG 10- SYSIN SAVE AREA
	000B	3310	TWAPPSA	EQU	11	TAG 11- MPT DATA SAVE AREA
	000C	3311	TWAPSAVE	EQU	12	TAG 12- SAVE/RESTORE AREA (LENGTH=33)
	000C	3312	TWAPUSER	EQU	12	USER SAVE AREA (12-22)
	0017	3313	TWAPINQ	EQU	23	INQUIRY SAVE AREA (23-33)
	0022	3314	TWAPLGT0	EQU	34	LOGICAL I/O RESERVED AREA (34-44)
		3315 *		44		TAG 44- END OF SAVE/RESTORE AREAS
	002D	3316	TWAPSSSS	EQU	45	TAG 45- WORK STATION CONFIGURATION
	002E	3317	TWAPCOMM	EQU	46	TAG 46- COMMUNICATIONS CONFIGURATION
	002F	3318	TWAPLOGR	EQU	47	TAG 47- SYSLOG RESPONSE DATA
	0030	3319	TWAPLOGC	EQU	48	TAG 48- SYSLOG COMMUNICATIONS TO CONSOLE
	0031	3320	TWAPTKMQ	EQU	49	TAG 49- TASK MESSAGE QUEUE AREA
		3321 *		54		TAG 54- END OF MESSAGE QUEUE AREA
	0037	3322	TWAPOCLE	EQU	55	TAG 55- OCL COMMAND SAVE AREA
	0038	3323	TWAPXLAT	EQU	56	TAG 56- TRANSLATE TABLE AREA
	0039	3324	TWAPRRMG	EQU	57	TAG 57- DUAL MESSAGE ROUTING AREA
		3325 *		58		TAG 58- RESERVED THRU 59
		3326 *				
		3327 *		COMMAND PROCESSOR TAGS		
		3328 *				
	0000	3329	TWAPNUSE	EQU	00	TAG 00- NOT USED
	0001	3330	TWAPSCO1	EQU	01	TAG 01- SYSTEM CONSOLE IMAGE
		3331 *		07		TAG 07- END
	0014	3332	TWAPCEND	EQU	20	NUMBER OF IMAGES
	0008	3333	TWAPMQ01	EQU	08	TAG 08- MESSAGE QUEUE
		3334 *		13		TAG 13- END OF MESSAGE QUEUE TAGS
	000E	3335	TWAPCURT	EQU	14	TAG 14- CURRENT SYSTEM PRINTER IMAGE
	000F	3336	TWAPSCSV	EQU	15	TAG 15- SYSTEM CONSOLE SAVE/RESTORE AREAS
	000F	3337	TWAPCNLS	EQU	15	CONSOLE SAVE AREA (15-26)
	001B	3338	TWAPUSSA	EQU	27	WORKSTATION SAVE AREA (27-38)

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
	0390	1554	NUMDSTQE	EQU	NUMCSETC+MULACE	DISPATCHER TQE
	0008	1555	MULTQE	EQU	8	* (LENGTH OF A TQE)
		1556 *				
	0398	1557	NUMMNTQE	EQU	NUMDSTQE+MULTQE	MIDNIGHT TQE
		1558 *				
	03A0	1559	NUMDLTQE	EQU	NUMMNTQE+MULTQE	STATISTICS DATA LOG TIME Q ELEMENT
		1560 *				

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0027 3339	TWAMPSTAT EQU 39	. STATUS SAVE AREA (39-50)
	0033 3340	TWAMPERS EQU 51	TAG 51- I/O ERP SAVE AREA FOR MSG BUILD
	3341 *		TAG 52- RESERVED THRU 59
03	003C 3342	TWAMCSMQ EQU 60	TAG 60- CONSOLE SYSLOG MESSAGE QUEUE.
	3343 *	119	TAG 119- END OF CONSOLE MESSAGE QUEUE.
	3344 *		
04	3345 *		TWA EXTENSION ELEMENT EQUATES
	3346 *		
05	0002 3347	TWAMPAP EQU 02	TWA AVAILABLE TRACKS MAP
	0003 3348	TWAMPAPL EQU 03	LENGTH OF MAP FIELD
	0004 3349	TWAMPNEXT EQU TWAMPAP+2	CHAIN FIELD
06	0006 3350	TWAPXSS EQU TWAMPNEXT+2	DISK ADDRESS OF THIS ELEMENT
	0007 3351	TWAPXN EQU TWAPXSS+1	CONTAINS LENGTH OF MAP FIELD
	0008 3352	TWAPXLEN EQU TWAPXN+1	LENGTH OF TWAPE
	3353 ***		END OF EXPANSION **

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	1597 *	PPSEQ	02080000
	1598 *		*****
	1599 *		*****
03	1600 *		THE PROCEDURE PARAMETER SAVE AREA *
	1601 *		*
	1602 *		*****

04

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	3355 *		
	3356 *		*****
	3357 *		*****
03	3358 **		MA
	3359 *		*****
	3360 *		*****
	3362 *		*****
05	3363 *		GENERAL
	3364 *		*****
06	0080 3365	XENAPID E	
	0040 3366	XENOFF E	
	0020 3367	XENOFF E	
	0010 3368	XENACTL E	
07	0020 3369	XENPRIV E	
	0008 3370	XENAREAS E	
	000F 3371	XENAREAE E	
08	0008 3372	XENIADN E	
	0004 3373	XENIADN E	
	0002 3374	XENEBON E	
09	0001 3375	XENAMPON E	
	3376 *		*****
	3377 *		'SYSTEM'
	3378 *		*****
	0000 3379	RRSVD00 E	
11	0001 3380	RFIND E	
	0002 3381	ROPEN E	
	0003 3382	RCLOSE E	
12	0004 3383	REDJ E	
	0005 3384	RSLOG E	
	0006 3385	RSLIST E	
13	0007 3386	RSIN E	
	0008 3387	RSGET E	
	0009 3388	RSMSG E	
	000A 3389	RLIBRY E	
14	0008 3390	RVTOCFD E	
	000C 3391	RALLOC E	
15	0000 3392	RDALOC E	
	000E 3393	RSALOC E	
	000F 3394	RINFO E	
16	0010 3395	RVTORD E	
	0011 3396	RSNAP E	
	0012 3397	RPGHLT E	
	0013 3398	RDPICALL E	
17	0014 3399	RPRALGN E	
	0015 3400	RCPRT E	
18	0016 3401	RLOPEN E	
	0017 3402	RMSDM E	
	0018 3403	RSMSDM E	
19	0019 3404	RFINDLIB E	
	001A 3405	RAFA E	
	001B 3406	RSPool E	
	001C 3407	RSPALC E	

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	006F 1651	PPSWAR09 E	
	0077 1653	PPSWAR10 E	
03	007F 1655	PPSWAR11 E	
04	1657 ***		END OF

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15	CF36 C0 87 D65D	46
16	CF3A 0C 07 D73B D789	46
17	CF40 0C 07 D778 D791	46
18	CF46 39 0F D735	46
19	CF4A F2 90 07	46
20	CF4D 35 01 D74A	46
	CF51 78 04 4E	45

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\$HELP SYSTEM/34 HELP UTILITY

01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		3355 *	XNTEQ
03		3356	
03		3357	
03		3358 **	MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES **
03		3359	
04		3360	
05		3362	
05		3363 *	GENERAL EQUATES FOR TRANSIENT/TRANSFER TABLE ENTRIES *
05		3364	
06		0080 3365	XEXAMID EQU X'80' EXAM ID TRANSFER ROUTINE
06		0040 3366	XEADFF EQU X'40' SET EA CYCLE XLATE OFF INDICATOR
06		0020 3367	XEBOFF EQU X'20' SET EB CYCLE XLATE OFF INDICATOR
07		0010 3368	XFERCTL EQU X'10' TRANSFER CONTROL ROUTINE
07		0020 3369	XNTPRIV EQU X'20' PRIVILEGED TRANSIENT
07		0008 3370	XNTAREAS EQU X'08' FIRST SECTOR IN TRANSIENT AREA(HIGH)
08		000F 3371	XNTAREAE EQU X'0F' LAST SECTOR IN TRANSIENT AREA (HIGH)
08		0008 3372	XFERIAON EQU X'08' IAR TRANSLATION ON
08		0004 3373	XFEREADN EQU X'04' SET EA ON TRANSFER CONTROL
09		0002 3374	XFEREBON EQU X'02' SET EB ON TRANSFER CONTROL
09		0001 3375	XFERAMPON EQU X'01' SET ON WRITE PROTECT(NON-PRIVILEGED)
09		3376	
10		3377 *	'SYSTEM' TRANSIENT RIB EQUATES (I.E., IMPLICIT DISK ADDR, LENGTH) *
10		3378	
10		0000 3379	RRSV000 EQU X'00' RESERVED
11		0001 3380	RFIND EQU X'01' FIND
11		0002 3381	RDPEN EQU X'02' OPEN
11		0003 3382	RCL0SE EQU X'03' CLOSE
12		0004 3383	REQJ EQU X'04' END-OF-JOB
12		0005 3384	RSLOG EQU X'05' SYSLOG
12		0006 3385	RSLIST EQU X'06' SYSLIST
13		0007 3386	RSIN EQU X'07' SYSIN
13		0008 3387	RSGET EQU X'08' SOURCE GET
13		0009 3388	RSMSG EQU X'09' MESSAGE RETREIVE
14		000A 3389	RLIBRY EQU X'0A' LIBRARY OPEN/CLOSE
14		000B 3390	RVT0CFD EQU X'0B' VTOC READ/WRITE FD
14		000C 3391	RALLOC EQU X'0C' ALLOCATE
15		000D 3392	RDALOC EQU X'0D' DEALLOCATE
15		000E 3393	RSALOC EQU X'0E' SPECIAL ALLOCATE
15		000F 3394	RINFO EQU X'0F' RETRIEVE SYSTEM INFORMATION
16		0010 3395	RVTORD EQU X'10' VTOC READ/WRITE RD
16		0011 3396	RSNAP EQU X'11' SNAP DUMP
16		0012 3397	RPGHLT EQU X'12' RPG HALT
17		0013 3398	RDMCALL EQU X'13' DATA MANAGEMENT CONTROLLER
17		0014 3399	RPRALGN EQU X'14' PRINTER ALIGNMENT
17		0015 3400	RCPRRT EQU X'15' COMMAND PROCESSOR ROUTER
18		0016 3401	RLOPEN EQU X'16' LIMITS OPEN
18		0017 3402	RUSDM EQU X'17' USER USDM REQUEST
18		0018 3403	RSWSDM EQU X'18' SYSTEM WSDM REQUEST
19		0019 3404	RFINDLIB EQU X'19' USER LIBRARY FIND REQUEST
19		001A 3405	RAFA EQU X'1A' AFA ACCESS TRANSIENT
19		001B 3406	RSP00L EQU X'1B' SPOOL INTERCEPT REQUEST
20		001C 3407	RSPALC EQU X'1C' SPOOL ALLOCATE REQUEST

01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		0010 3408	
02		001E 3409	
03		001F 3410	
03		0020 3411	
03		0021 3412	
04		0022 3413	
04		0023 3414	
04		0024 3415	
05		0025 3416	
05		0026 3417	
05		0027 3418	
06		0028 3419	
06		0029 3420	
06		002A 3421	
07		002B 3422	
07		002C 3423	
07		002D 3424	
08		002E 3425	
08		002F 3426	
08		0030 3427	
09		0031 3428	
09		0032 3429	
09		0033 3430	
10		0034 3431	
10		0035 3432	
10		0036 3433	
11		0037 3434	
11		0038 3435	
11		0039 3436	
12		003A 3437	
12		003B 3438	
12		003C 3439	
13		003D 3440	
13		003E 3441	
13		003F 3442	
14		0040 3443	
14		0041 3444	
14		0042 3445	
15		0043 3446	
15		0043 3447	
16		0110 3448	
16		0088 3449	
16		3450	

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\$HELP SYSTEM/34 HELP UTILITY

01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	02080000	006F 1651	PPSVAR09 EQU PPSVAR08+8 VARIABLE 9
03		0077 1653	PPSVAR10 EQU PPSVAR09+8 VARIABLE 10
03		007F 1655	PPSVAR11 EQU PPSVAR10+8 VARIABLE 11
04		1657 ***	END OF EXPANSION **

01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		1658	
02		1659	
03		1660	
03		0007 1661	
04		000C 1662	

15	CF36 C0 87 D65D	4682	B	HE009100	CHECK FOR ERROR RETURN CODE	12560000	15	CF98 C0 87 CBDC
16	CF3A OC 07 D738 D789	4684 4685 *	MVC	HETBSAV+HETBLEN-1(HETBLEN),HEWORK+HETBLEN-1	RESTORE SAVED TABLE ENTRY	12580000 12590000	16	
17	CF40 OC 07 D778 D791	4686	MVC	HEFORMAT(8),HEWORK+HETBLEN+FMTRME	RESTORE FORMAT NAME	12600000	17	
18	CF46 39 OF D735	4688	TBF	HETBSAV+HETYPE,NUMBITS IS A CATAGORY ACTIVE ?		12620000	18	
19	CF4A F2 90 07	4689	JF	HE002630	YES - CONTINUE	12630000	19	
20	CF4D 35 01 D74A	4691	L	HETUB@,XR1	XR1 --> TUB ADDRESS	12650000	20	
	CF51 78 04 4E	4593	SBF	TUBCHK1(,XR1),TUBCMD3	DISABLE CMD KEY 3 INPUT	12670000		

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE	
02	02220000	001D 3408 RCPERR EQU X'1D'	COMMAND PROCESSOR I/O ERROR		
	*****	001E 3409 RTTC EQU X'1E'	TASK-TASK COMMUNICATIONS		
	*****	001F 3410 RCPTC EQU X'1F'	COMMAND PROCESSOR TASK-TASK		
	**	0020 3411 RSETX EQU X'20'	SET EXIT		
	*****	0021 3412 RMDDB EQU X'21'	WSDM TRANSIENT		
	*****	0022 3413 RSVNR EQU X'22'	..		
04		0023 3414 RMDG EQU X'23'	..		
		0024 3415 RMDAF EQU X'24'	..		
	*****	0025 3416 RMDO EQU X'25'	..		
05		0026 3417 RMDA EQU X'26'	..		C807 35 01 0141
	*	0027 3418 ROFFLINE EQU X'27'	OFFLINE MV DATA MGMT.		
	*****	0028 3419 RMDH EQU X'28'	WSDM TRANSIENT		
06		0029 3420 RMDQ EQU X'29'	..		C808 1C 01 D74A 13
		002A 3421 RMDCP EQU X'2A'	..		C810 75 01 15
		002B 3422 RPRA2 EQU X'2B'	SECURITY		C813 34 01 D748
07		002C 3423 RCPD EQU X'2C'	COMMAND OCL INTERFACE		
		002D 3424 RIOERR EQU X'2D'	I/O ERROR TRANSIENT		C817 5F 01 2F 2F
		002E 3425 REXTND EQU X'2E'	EDF EXTEND TRANSIENT		
08		002F 3426 RUPDAT EQU X'2F'	EDF UPDATE TRANSIENT		C818 3D 00 D749
		0030 3427 RCHKPT EQU X'30'	CHECKPOINT TRANSIENT		C81F F2 81 0E
		0031 3428 RSPMIC EQU X'31'	SPOOL TRANSIENT		
09		0032 3429 RICDA EQU X'32'	ICF (CVC) 4		C822 78 08 01
	*****	0033 3430 RICDB EQU X'33'	ICF (CVC) 4		C825 F2 10 10
	*****	0034 3431 RICDC EQU X'34'	ICF (CVC) 4		
10		0035 3432 RSVTX EQU X'35'	TWA EXTENSION 3		
		0036 3433 RSORT EQU X'36'	SORT TRANSIENT 4		
		0037 3434 REXTRA EQU X'37'	EXTENDED TRACE 4		
11		0038 3435 RMDL EQU X'38'	WSDM TRANSIENT		
		0039 3436 RGLFR EQU X'39'	GLF TRANSIENT 5		
		003A 3437 RGLFAC EQU X'3A'	GLF TRANSIENT 5		
12		003B 3438 REXTNP EQU X'3B'	EXTENDED PRINT 6		
		003C 3439 RSMFC EQU X'3C'	SMP COMPL. DATA COLLECTION 6		C828 C2 01 2003
13		003D 3440 RICDD EQU X'3D'	PEER MULTIPOINT 6		C82C C0 87 D500
		003E 3441 RMDU EQU X'3E'	WSDM XIENT		
		003F 3442 RMDDT EQU X'3F'	"		
14		0040 3443 RWEGE EQU X'40'	"		
		0041 3444 RRODM EQU X'41'	ROOM TTC XIENT CALL		
		0042 3445 RMDH EQU X'42'	WSDM XIENT		
15		0043 3446 RSPQMG EQU X'43'	SPOOL QUEUE MGMT XIENT		
		0043 3447 RXTEND EQU RSPQMG	LAST VALID ENTRY		
16		0110 3449 XFLENBYT EQU RXTEND*4+4	LENGTH OF XFER TABLE (BYTES)		C830 C2 01 2000
		0088 3450 XFLENWRD EQU RXTEND*2+2	LENGTH OF XFER TABLE (WORDS)		C834 C0 87 D500
		3451 *** END OF EXPANSION **			

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE	
02		1659 * PRSF			02100000
		1660 *			
03		1661 * USER PROFILE DATA RECORD DISPLACEMENTS AND BIT MASKS			
		1662 *			
		0007 1663 PRSFUSD EQU 7	USER ID		
04		000B 1664 PRSFPAS EQU 11	PASSWORD		
		000C 1665 PRSFCLS EQU 12	SECURITY CLASSIFICATION		

URN CODE	12560000
N-1 ENTRY	12580000
FORMAT NAME	12590000
?	12600000
	12620000
	12630000
	12650000
PUT	12670000

CF98 CO 87 CBDC	4732	B	HE002030	RETURN	12940000
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CFCE F2 81 1E
CFD1 3C 08 D742

D08

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02			3453	*****	02250000
			3454	*	02260000
03			3455	START OF PROGRAM LOGIC	02270000
			3456	CHECK IF RUNNING FROM A PROCEDURE, OR WITHOUT A REQUESTOR.	02280000
			3457	*	02290000
04			3458	*****	02300000
			3460	*E000100 TCB@ R-XR1 GET TCB @	02320000
05	C807 35 01 0141		3461	HE000100 L 321,XR1 GET TCB ADDRESS.	
			3462	*** END OF EXPANSION **	
06	C808 1C 01 D74A 13		3464	MVC HETUB@C2),TCBRTUBC,XR1) SAVE TUB @	02340000
	C810 75 01 15		3465	L TCSJCB@C,XR1),XR1 XR1 --> JCB	02350000
	C813 34 01 D748		3466	ST HEJCB@,XR1 SAVE JCB ADDRESS	02360000
07	C817 5F 01 2F 2F		3468	SLC JCBORTCD(C2,XR1),JCBORTCD(C,XR1) ZERO OUT RETURN CODE	02380000
08	C818 3D 00 D749		3470	CLI HETUB@-1,ZERO TASK HAVE A REQUESTOR ?	02400000
	C81F F2 81 0E		3471	JE HE000110 NO - ISSUE ERROR MESSAGE	02410000
09	C822 78 08 01		3473	TBN JCB0INT2C,XR1),JCBMIPRC IN A PROCEDURE ?	02430000
	C825 F2 10 10		3474	JT HE000115 YES - CONTINUE	02440000
10			3476	*****	02460000
			3477	*	02470000
11			3478	ERROR - \$HELP UTILITY MUST ONLY BE RUN FROM HELP PROCEDURE	02480000
			3479	*	02490000
12			3480	*****	02500000
	C828 C2 01 2003		3482	HE000105 LA HEMC2003,XR1 XR1 --> MIC 2003	02520000
	C82C CO 87 D5DD		3483	B HE009000 CALL THE ERROR ROUTINE	02530000
14			3485	*****	02550000
			3486	*	02560000
			3487	ERROR - \$HELP UTILITY MUST BE RUN WITH A REQUESTOR	02570000
			3488	*	02580000
15			3489	*****	02590000
16	C830 C2 01 2000		3491	HE000110 LA HEMC2000,XR1 XR1 --> MIC 2000	02610000
	C834 CO 87 D5DD		3492	B HE009000 CALL THE ERROR ROUTINE	02620000

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ERR LOC OBJECT CODE				
C838 38 40 008C				
C83C F2 10 08				
C83F 3C 4F D744				
C843 CO 87 CB34				
C847 35 01 D74A				
C84B 3A 02 D781				
C84F 78 40 48				
C852 F2 10 0C				
C855 38 02 D781				
C859 3C 4E D744				
C85D CO 87 CB34				
C861 38 80 0009				
C865 F2 10 08				
C868 3C 4C D744				
C86C CO 87 CB34				

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	02100000		1705	* SCAEQ	02120000
			1706	*****	
03			1707	*	
			1708	SYSTEM	
			1709	*	
04			1710	COMMUNICATION AREA	
			1711	*	

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ERR LOC OBJECT CODE				

15	12940000
16	
17	
18	
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15	CFCB 7D 00 00	4772	CLT	OK,XR1),ZERO	NULL PARAMETER ?	13340000
	CFCE F2 81 1E	4773	JE	HE002730	YES - CONTINUE	13350000
16	CFD1 3C 08 D742	4775	MVI	HECHRCTR,EIGHT	INIT CHARACTER COUNTER TO 8	13370000
17						
18						
19						
20						

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D09

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01	
02	02250000
*	02260000
*	02270000
*	02280000
*	02290000
03	02300000
04	02320000
05	
06	02340000
*	02350000
*	02360000
07	02380000
08	02400000
*	02410000
09	02430000
*	02440000
10	02460000
*	02470000
*	02480000
*	02490000
11	02500000
12	02520000
*	02530000
13	
14	02550000
*	02560000
*	02570000
*	02580000
*	02590000
15	02610000
*	02620000
16	
17	02680000
*	02690000
18	
19	
20	

		\$HELP SYSTEM/34 HELP UTILITY				PAGE 78 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		3494	*	*****	*****	02640000	
*		3495	*			02650000	
03		3496	*	SET INDICATOR FOR EITHER IGAR OR MAGAZINE DISKETTE		02660000	
*		3497	*			02670000	
*		3498	*	*****	*****	02680000	
04	C838 38 40 008C	3500	HE000115	TBN NURSCA+SCADSP1,SCAMARR	DOES THE SYSTEM HAVE A	02700000	
		3501	*		MAGAZINE DISKETTE DRIVE ?	02710000	
05	C83C F2 10 08	3502	JT	HE000120	YES - CONTINUE	02720000	
06	C83F 3C 4F D744	3504	MVI	HEIND#,79	SET FOR INDICATOR 79	02740000	
*	C843 C0 87 CB34	3505	B	HE001300	SET ON SFGR INDICATOR	02745000	
07		3507	*	*****	*****	02760000	
*		3508	*			02770000	
08		3509	*	SET INDICATOR FOR 960 SCREEN SIZE		02780000	
*		3510	*			02790000	
*		3511	*	*****	*****	02800000	
09	C847 35 01 D74A	3513	HE000120	L HETUBA,XR1	XR1 --> TUB ADDRESS	02820000	
10	C84B 3A 02 D781	3515	SBN	HESWITCH,HE960SCR	SET FOR 960 SCREEN	02833000	
11	C84F 78 40 48	3517	TBN	TUBATTR9C,XR1),TUB960	THIS A 960 SCREEN ?	02840000	
12	C852 F2 10 0C	3518	JT	HE000125	YES - CONTINUE	02850000	
13	C855 3B 02 D781	3520	SBN	HESWITCH,HE960SCR	SET FOR NOT 960 SCREEN	02862000	
14	C859 3C 4E D744	3522	MVI	HEIND#,78	SET FOR INDICATOR 78	02866000	
*	C85D C0 87 CB34	3523	B	HE001300	SET ON SFGR INDICATOR	02868000	
15		3525	*	*****	*****	02880700	
*		3526	*			02881400	
16		3527	*	SET INDICATOR IF IDIOGRAPHIC CHARACTER FEATURE NOT SUPPORTED		02882100	
*		3528	*			02882800	
17		3529	*	*****	*****	02883500	
18	C861 38 80 00D9	3531	HE000125	TBN NURSCA+SCADSSPF,SCAMKCKF	IGC FEATURE SUPPORTED ?	02884900	
19	C865 F2 10 08	3532	JT	HE000130	YES - CONTINUE	02885600	
20	C868 3C 4C D744	3534	MVI	HEIND#,76	SET FOR INDICATOR 76	02887000	
*	C86C C0 87 CB34	3535	B	HE001300	SET ON SFGR INDICATOR	02887700	

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01	
02	
03	
04	C870 C0 87 C0DC
05	
06	
07	C874 35 01 D748
*	C878 1C 00 C885 28
08	C87D C2 02 EBFO
09	C881 F4 00 51
*	C884 04
*	C885 00
*	C886 01
10	C887 E2 01 80
*	C88A 7D 00 1E
*	C88D F2 01 03
11	
12	C890 E2 01 00
13	
14	
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C09

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01	
02	02120000
*	
*	
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*	
04	

		\$HELP SYSTEM/34 HELP UTILITY				PAGE 42 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		0001 1759	SCAMDS1Z EQU	X'01'	X'01' - DISK FILE SIZE	008	
*		1760	*		0 - 8 MEGABYTE DISK	002	
*		1761	*		1 - 12 MEGABYTE DISK	004	
03		0081 1762	SCAM27MS EQU	X'81'	27 MEGABYTE DISK	001	
*		0001 1763	SCAM13MS EQU	1	13 MEGABYTE DISK	000	
*		0000 1764	SCAM10MS EQU	0	8 MEGABYTE DISK	000	
04		1765	*			000	

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01	
02	
03	
04	

13340000	13350000
TO 8	13370000

15	
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19	
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0036 F4 01 04
0039 05
003A 35 02 D758
003E BA 40 01
0041 C0 87 0000

D10

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***** 02640000
* 02650000
* 02660000
* 02670000
***** 02680000
AVE A 02700000
DRIVE ? 02710000
02720000
02740000
02745000
***** 02760000
* 02770000
* 02780000
* 02790000
***** 02800000
02820000
02833000
02840000
02850000
02862000
02866000
02868000
***** 02880700
* 02881400
SUPPORTED * 02882100
* 02882800
***** 02883500
? 02884900
02885600
02887000
02887700

01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 79 V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02		3537	*****	02890000	
	*	3538 *	*	02900000	
	*	3539 *	OPEN ALL FORMAT MEMBERS	02910000	
03		3540 *	*	02920000	
	*****	3541	*****	02930000	
04	C870 C0 87 CDDC	3543 HE000130 B	HE002400 OPEN FORMAT MEMBERS	02950000	
05		3545	*****	02970000	
	*	3546 *	*	02980000	
	*	3547 *	READ IN THE PPSA	02990000	
06		3548 *	*	03000000	
	*****	3549	*****	03010000	
07	C874 35 01 D748	3551 HE000135 L	HEJCB@,XR1 XR1 --> JCB @	03030000	
	* 02770000	C878 1C 00 C885 2B	MVC HE000140(1),JCB@TAG<,XR1) MOVE CURRENT TAG TO	03040000	
	* 02780000	3553 *	TWING/TWAP PARM LIST	03050000	
	* 02790000	C87D C2 02 EBFO	3554 LA HEPPSA,XR2 XR2 --> PPSA BUFFER	03060000	
	***** 02800000				
09	C881 F4 00 51	3556 SVC 81,0	GET THE PPSA FROM DISK	03080000	
	02820000	C884 04	C884 3557 DC AL1(0+0+4)	03090000	
	02833000	C885 00	C885 3558 HE000140 DC AL1(*)	03100000	
	02840000	C886 01	C886 3559 DC AL1(1)	03110000	
	02850000	C887 E2 01 80	3561 LA 128<,XR2>,XR1 XR1 --> 2ND HALF OF PPSA	03130000	
	02862000	C88A 7D 00 1E	3562 CLT PPSSGLNRC,XR1>,ZERO RECORD LENGTH ZERO ?	03140000	
	02866000	C88D F2 01 03	3563 JNE HE000150 MD - CONTINUE	03150000	
	02868000	C890 E2 01 00	3565 LA 0<,XR2>,XR1 XR1 --> 1ST HALF OF PPSA	03170000	
13					
14					
15					
16					
17					
18					
19					
20					

01	\$HELP SYSTEM/34 HEL
	ERR LOC OBJECT CODE
02	
03	
04	C893 34 01 D758
05	C897 40 07 27 D78
	C89C C0 01 C828
06	C8A0 78 80 01
	C8A3 C0 90 C828
07	C8A7 C2 02 ECFO
	C8AB 9C 07 07 2F
	C8AF 1C 07 D780 2F
09	C8B4 C0 87 D48F
10	C8B8 1C 07 D778 2F
11	C8B0 7D 00 28
	C8C0 C0 81 D045
13	
14	C8C4 C0 87 CB72
15	
16	
17	
18	
19	
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C10

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01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 43 V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02		0080 1813 SCAMBSCA EQU X'80'	BSCA		
		0020 1814 SCAMSRJE EQU X'20'	SRJE		
		0040 1815 SCAMMRJE EQU X'40'	MRJE		
03		0010 1816 SCAMRNA EQU X'10'	RNA		
		0008 1817 SCAMRMS EQU X'08'	RMS		
		0004 1818 SCAMICS EQU X'04'	SSP/ICF		
04		0002 1819 SCAMICF EQU X'02'	ICF		
		0001 1820 SCAMICF EQU X'01'	ICF		

01	\$HELP SYSTEM/34 HEL
	ERR LOC OBJECT CODE
02	
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04	

15	D036 F4 01 04	4834	SVC	X'04',X'01'	CALL SYSLOG WITH REFRESH	
	D039 05	D039 4835	DC	XL1'05'	SYSLOG RIB	
					4836 * END OF EXPANSION	
					4837 *** END OF EXPANSION **	
16	D03A 35 02 D758	4839	L	HEPPSA@,XR2	XR2 --> CURRENT PPSA	13880000
17	D03E BA 40 01	4841	SBN	PPSFLAG1(,XR2),PPSEDFSG	SET END OF FILE FROM SOURCE GET	13900000
18	D041 CO 87 0000	4843 HE002799 B	#		RETURN TO CALLER	13520000
19						
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D11

09	V09/11/81 12/05/81 12:00
01	02890000
	* 02900000
	* 02910000
	* 02920000
	* 02930000
	02950000
	02970000
	* 02980000
	* 02990000
	* 03000000
	* 03010000
	03030000
	03040000
	03050000
	03060000
	03080000
	03090000
	03100000
	03130000
	03140000
	03150000
	03170000

01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		PAGE 80	V09/11/81 12/05/81 12:00
02		3567	*****			03210000
		3568	*			03200000
03		3569	* CLEAR THE PPSA. IF THE FIRST PARAMETER IS ZERO DISPLAY	*		03210000
		3570	* THE 1ST MENU, ELSE DISPLAY THE SPECIFIED SCREEN.	*		03220000
		3571	*			03230000
		3572	*****			03240000
04	C893 34 01 D758	3574 HE000150 ST	HEPPSA@,XR1	SAVE THE @ OF CURRENT PPSA		03260000
05	C897 40 07 27 D7B9	3576 CLC	PPSNAME(8,XR1),HECHHELP	THIS THE HELP PROCEDURE ?		03280000
	C89C CO 01 C828	3577 BNE	HE000105	NO - ISSUE ERROR MESSAGE		03290000
06	C8A0 78 80 01	3579 TBN	PPSFLAG1(,XR1),PPSCPBIT	IS HELP PROCEDURE SSP ?		03310000
	C8A3 CO 90 C828	3580 BF	HE000105	NO - ISSUE ERROR MESSAGE		03320000
07	C8A7 C2 02 ECFO	3582 LA	HEWSBUFF,XR2	XR2 --> WORKSTATION BUFFER		03340000
	C8AB 9C 07 07 2F	3583 MVC	HEPARM1+7(8,XR2),PPSVAR01(,XR1)	MOVE DATA TO BUFFER		03350000
	C8AF 1C 07 D780 2F	3584 MVC	HEPARMSV(8),PPSVAR01(,XR1)	SAVE 1ST PARAMETER		03355000
09	C8B4 CO 87 D48F	3586 B	HE004900	CHECK FOR NAME CONVERSION		03370000
10	C8B8 1C 07 D778 2F	3588 HE000160 MVC	HEFORMAT(8),PPSVAR01(,XR1)	SAVE 1ST PARAMETER		03390000
11	C8BD 7D 00 28	3590 CLI	PPSVAR01-7(,XR1),ZERO	WAS A PARAMETER SPECIFIED ?		03410000
	C8C0 CO 81 D045	3591 BE	HE002800	NO - DISPLAY MENU		03420000
12		3593	*****			03440000
		3594	*			03450000
13		3595	* DISPLAY FORMAT SPECIFIED BY 1ST PARAMETER	*		03460000
		3596	*			03470000
		3597	*****			03480000
14	C8C4 CO 87 CB72	3599 B	HE002000	LOOK UP AND DISPLAY FORMAT		03500000

C11

03	V09/11/81 12/05/81 12:00
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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		PAGE 44	V09/11/81 12/05/81 12:00
02		002F 1867 SCACONF EQ	SCADSSIO+2 2	SS OF CONFIGURATION RECORD		
		1868	*			
03		0031 1869 SCASHIST EQ	SCACONF+2 2	START SS OF HISTORY FILE		
		0033 1870 SCAHFSIZ EQ	SCASHIST+2 2	SIZE OF HISTORY FILE		
		0035 1871 SCAHFCUR EQ	SCAHSIZ+2 2	SS OF CURRENT HISTORY FILE ENTRY		
		1872	*			

01	\$HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE
03	
04	C8C8 35 01 D74A
05	C8CC 78 08 30
	C8CF F2 90 18
06	C8D2 3D 00 D779
	C8D6 F2 81 0C
07	C8D9 C2 01 EBF0
08	C8DD 4D 07 2F D780
	C8E2 F2 81 08
09	
10	
11	C8E5 C2 01 2009
	C8E9 CO 87 D5D0
12	C8ED CO 87 CCE8
13	
14	C8F1 3D 34 D6A9
	C8F5 CO 81 CF9F

01	\$HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE
03	

PSA	13880000
FROM SOURCE GET	13900000
	13520000

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PAGE 80 V09/11/81 12/05/81 12:00	
*****	03190000
*	03200000
DISPLAY *	03210000
*	03220000
*	03230000
*****	03240000
URRENT PPSA	03260000
EDURE ?	03280000
ESSAGE	03290000
SSP ?	03310000
ESSAGE	03320000
ON BUFFER	03340000
TO BUFFER	03350000
MIETER	03355000
VERSION	03370000
MIETER	03390000
PECIFIED ?	03410000
	03420000
*****	03440000
*	03450000
*	03460000
*	03470000
*****	03480000
Y FORMAT	03500000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 81 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	3601 *****
	3602 * * * * * 03520000
	3603 * * * * * 03530000
03	3603 * CHECK IF A SECURITY MENU IS ACTIVE. * 03540000
	3604 * * * * * 03550000
	3605 ***** 03560000
04	C8C8 35 01 D74A 3607 HE000200 L HETUB@,XR1 XR1 --> TUB ADDRESS 03580000
	C8CC 78 08 30 3609 TBN TUBOPSTS(,XR1),PRSFMAN IS A SECURITY MENU ACTIVE ? 03600000
05	C8CF F2 90 18 3610 JF HE000210 NO - CONTINUE 03610000
	C8D2 3D 00 D779 3612 CLI HEPARMSV-7,ZERO INITIAL PARAMETER SAVED ? 03621000
06	C8D6 F2 81 0C 3613 JE HE000205 NO - ISSUE ERROR 03622000
07	C8D9 C2 01 EBFO 3615 LA HEPPSA,XR1 XR1 --> PPSA BUFFER 03624000
08	C8DD 4D 07 2F D780 3617 CLC PPSVAR01(8,XR1),HEPARMSV THIS THE SAME PARAMETER ? 03626000
	C8E2 F2 81 08 3618 JE HE000210 YES - CONTINUE 03627000
09	3620 ***** 03630000
	3621 * * * * * 03640000
10	3622 * ERROR - CANNOT RUN CMD USING HELP--MANDATORY MENU ACTIVE * 03650000
	3623 * * * * * 03660000
	3624 ***** 03670000
11	C8E5 C2 01 2009 3626 HE000205 LA HEMC2009,XR1 XR1 --> MIC 2009 03690000
	C8E9 C0 87 D5DD 3627 B HE009000 CALL THE ERROR ROUTINE 03700000
12	C8ED C0 87 CCE8 3629 HE000210 B HE002100 MOVE PARAMETERS TO THE PPSA 03720000
13	C8F1 3D 34 D6A9 3631 CLI HEWSDTF+\$WSAID,SATDCMD4 PLACE ON JQBQ ? 03740000
14	C8F5 C0 81 CF9F 3632 BE HE002700 YES - BRANCH TO JQBQ ROUTINE 03750000

\$HELP SYSTEM/34	
ERR LOC OBJECT CO	
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04	C8F9 35 01 D7
05	C8FD 4D 07 20
	C902 F2 01 08
06	C905 35 02 D7
07	C909 6C 07 20
08	C90D C2 02 EB
	C911 2C 00 C9
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FILE ENTRY

\$HELP SYSTEM/34 HELP UTILITY	PAGE 45 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	005C 1921 SCASYS2 EQU SCASYS1+1 1 SYSTEM CONFIGURATION BYTE 6
	0080 1922 SCAMATBS EQU X'80' . X'80' - COMM TASK BEING ASSIGNED
03	0040 1923 SCAMCCHK EQU X'40' . X'40' - MASTER CONSOLE CHECK
	0020 1924 SCAMHLDP EQU X'20' . X'20' - HIGH LEVEL DEDICATION
	0010 1925 SCAMPLUP EQU X'10' . X'10' - IPL - STARTUP PROC [R4]
	0008 1926 SCAMDATE EQU X'08' . X'08' - SYSTEM DATE RECEIVED

\$HELP SYSTEM/34	
ERR LOC OBJECT CO	
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PAGE 81	V09/11/81	12/05/81	12:00
*****	03520000		
*	03530000		
*	03540000		
*	03550000		
*****	03560000		
	03580000		
ACTIVE ?	03600000		
	03610000		
ED ?	03621000		
	03622000		
	03624000		
TER ?	03626000		
	03627000		
*****	03630000		
*	03640000		
ACTIVE	03650000		
*	03660000		
*****	03670000		
	03690000		
	03700000		
E PPSA	03720000		
	03740000		
ROUTINE	03750000		
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\$HELP SYSTEM/34 HELP UTILITY	PAGE 82	V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02		3635	*****	03761000
		3636 *		03761500
03		3637 *	IF THE NAME OF THE FIRST LEVEL PROCEDURE IS HELP, CHANGE IT *	03762000
		3638 *	TO THE NAME OF THE PROCEDURE ABOUT TO BE EXECUTED. *	03762500
		3639 *		03763000
		3640	*****	03763500
04	C8F9 35 01 D748	3642	HE000215 L HEJCB@,XR1 XR1 --> JCB ADDRESS	03764500
05	C8FD 4D 07 2D D7B9	3644	CLC JCB01PRC(8,XR1),HECHHELP 1ST LEVEL PROC = HELP ?	03765500
	C902 F2 01 08	3645	JNE HE000220 NO - CONTINUE	03766000
06	C905 35 02 D758	3647	L HEPPS@B,XR2 XR2 --> CURRENT PPSA POINTER	03767000
07	C909 6C 07 2D 2F	3649	MVC JCB01PRC(8,XR1),PPSVAR01(XR2) RESET 1ST LEVEL PROC NAME	03768000
08	C90D C2 02 EBFO	3651	HEG00220 LA HEPPSA,XR2 XR2 --> PPSA BUFFER	03770000
	C911 2C 00 C91A 00	3652	MVC HE000230(1),PPSTAGID(XR2) MOVE CURRENT TAG TO TWG/	03780000
		3653 *	TWAP PARAMETER LIST	03790000
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\$HELP SYSTEM/34 HELP	
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04	C916 F4 00 51
	C919 05
	C91A 00
	C91B 01
06	
07	
08	C91C 35 01 D74A
	C920 7B 80 3A
09	
10	C923 F4 00 04
	C926 04
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\$HELP SYSTEM/34 HELP UTILITY	PAGE 46	V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02		0040 1975	SCAMCOUT EQU X'40' . CONSOLE READY TO OUTPUT MESSAGE	
		0020 1976	SCAMHELP EQU X'20' . HELP FEATURE ACTIVE IR31	
03		0010 1977	SCAMCPAF EQU X'10' . C. P. WSQS ASSIGN FAILURE IR31	
		0008 1978	SCAMPSBL EQU X'08' . REBUILD - EXECUTE REBUILD	
		0004 1979	SCAMDELE EQU X'04' . REBUILD - DELETE FILES IN ERROR	
		0002 1980	SCAMTOLD EQU X'02' . REBUILD - EXAMINE OLD FILES ALSO	
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\$HELP SYSTEM/34 HELP
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ERR LOC OBJECT CODE
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PAGE 82	V09/11/81	12/05/81	12:00
*****	03761000		
*	03761500		
HANGE IT *	03762000		
*	03762500		
*	03763000		
*****	03763500		
	03764500		
?	03765500		
	03766000		
POINTER	03767000		
L PROC NAME	03768000		
	03770000		
D TWAG/	03780000		
	03790000		

\$HELP SYSTEM/34 HELP UTILITY		PAGE 83		V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02		3655	*****			03810000
		3656 *				03820000
		3657 *	UPDATE THE PPSA ON DISK AND CALL END-OF-JOB			03830000
03		3658 *				03840000
		3659	*****			03850000
04	C916 F4 00 51	3661	SVC 81,0	PUT THE PPSA BACK TO DISK		03870000
	C919 05	C919 3662	DC AL1(0+0+5)			03880000
	C91A 00	C91A 3663	HE000230 DC AL1(*)			03890000
05	C91B 01	C91B 3664	DC AL1(1)			03900000
		3666	*****			04070900
06		3667 *				04071800
		3668 *	RESET THE USER SCREEN UP BIT IN THE TUB AND CALL END OF JOB.			04072700
		3669 *				04073600
07		3670	*****			04074500
08	C91C 35 01 D74A	3672	HE000500 L HETUB@,XR1	XR1 --> TUB ADDRESS		04076300
	C920 7B 80 3A	3674	SBF TUBATTR6(XR1),TUBUSUP	RESET USER SCREEN UP INDICATOR		04078100
09		3676 *	SEQJ	CALL END OF JOB		04080000
		3677 *	LINKAGE TO END OF JOB ROUTINES			
10	C923 F4 00 04	3678	SVC X'04',X'00'	EDJ SVC		C92F AC 01 2A 28
	C926 04	C926 3679	DC XL1'04'	EDJ RIB		C933 AC 01 32 30
		3680 *	END OF EXPANSION			C937 AB 03 11 01
		3681	*** END OF EXPANSION **			
11						C93B BD 00 09
						C93E F2 84 C8
12						
13						C941 B9 C0 08
						C944 F2 10 50
14						
						C947 B8 40 08
						C94A F2 90 1A
15						
						C94D AF 01 2A 38
						C951 AF 01 32 3A
16						
						C955 AD 01 2A 2C
						C959 F2 02 43
17						
						C95C AC 01 2A 2E
						C960 AC 01 32 36
18						
						C964 F2 87 38
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 83		V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
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08						C927 34 08 CA56
09						C92B C2 02 D734
10						C92F AC 01 2A 28
						C933 AC 01 32 30
						C937 AB 03 11 01
11						C93B BD 00 09
						C93E F2 84 C8
12						
13						C941 B9 C0 08
						C944 F2 10 50
14						
						C947 B8 40 08
						C94A F2 90 1A
15						
						C94D AF 01 2A 38
						C951 AF 01 32 3A
16						
						C955 AD 01 2A 2C
						C959 F2 02 43
17						
						C95C AC 01 2A 2E
						C960 AC 01 32 36
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						C964 F2 87 38
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IR31			
IR31			
ERROR			
ALSO			

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02		0008 2029	SCAMACMG EQU X'08'	. DISPLAY ADDR COMPARE DUMP MESSAGE		
		0004 2030	SCAMACDP EQU X'04'	. ADDRESS COMPARE DUMP WAS TAKEN		
03		0002 2031	SCAMACSP EQU X'02'	. TASK SUSPENDED BY ADDR COMP DUMP		
		0001 2032	SCAMFACT EQU X'01'	. TRACE TO DISK ACTIVE		
		2033 *				
		0080 2034	SCADCSP2 EQU SCADCSP1+1	1 MSP -----> CSP INTERFACE BYTE		

\$HELP SYSTEM/34 HELP UTILITY		PAGE 47		V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02						
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PAGE 83	V09/11/81	12/05/81	12:00
*****	03810000		
*	03820000		
*	03830000		
*	03840000		
*****	03850000		
DISK	03870000		
	03880000		
	03890000		
	03900000		
*****	04070900		
*	04071800		
D OF JOB. *	04072700		
*	04073600		
*****	04074500		
	04076300		
INDICATOR	04078100		
	04080000		

\$HELP SYSTEM/34 HELP UTILITY				PAGE 84	V09/11/81	12/05/81	12:00
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		3683	*/	START OF SPECIFICATIONS	*****/	04100000	
		3684	*/			04110000	
03		3685	*/	ROUTINE NAME = HEO01000		04120000	
		3686	*/			04130000	
		3687	*/	STATUS = RELEASE 3		04140000	
04		3688	*/			04150000	
		3689	*/	FUNCTION = SEARCH FORMAT TABLE FOR VALID FORMAT		04160000	
		3690	*/			04170000	
05		3691	*/	INPUT = HEFORMAT CONTAINS THE FORMAT NAME		04180000	
		3692	*/			04190000	
		3693	*/	OUTPUT = FORMAT TABLE SAVED IN TABLE SAVE AREA		04200000	
06		3694	*/			04210000	
		3695	*/	EXITS = NORMAL - RETURN TO MAINLINE		04220000	
		3696	*/	ERROR - BRANCH TO ERROR ROUTINE, HEO09000		04230000	
07		3697	*/			04240000	
		3698	*/	CHANGE ACTIVITY = 06/17/78 RSH		04250000	
		3699	*/			04260000	
08		3700	*/	END OF SPECIFICATIONS	*****/	04270000	
09	C92B C2 02 D734	3704		LA HETBLSAV, XR2	XR2 --> BASE REGISTER a	04310000	
		D734 3705		USING HETBLSAV, 2	ESTABLISH BASE REGISTER	04320000	
10	C92F AC 01 2A 28	3707	MVC	HEWKTBL@C(2, XR2), HETABLE@C(XR2)	SAVE CURRENT TABLE a	04340000	
	C933 AC 01 32 30	3708	MVC	HEWKFMT@C(2, XR2), HEFMTBL@C(XR2)	SAVE CURRENT FORMAT IDX a	04350000	
	C937 AB 03 11 01	3709	MVN	HETYP@C(2, XR2), HETYP@C(XR2)	SAVE CURRENT TYPE CODE	04360000	
11	C93B BD 00 09	3711	CLI	HESRCHD@C(XR2), ZERO	DISPLACEMENT REQUEST ?	04380000	
	C93E F2 84 C8	3712	JH	HEO01060	YES - CONTINUE	04390000	
13	C941 B9 C0 08	3714	TBF	HESEARCH@C(XR2), HESRCHF@C(XR2)	FORWARD/BACKWARD REQ ?	04410000	
	C944 F2 10 50	3715	JT	HEO01030	NO - CONTINUE	04420000	
14	C947 B8 40 08	3717	TBN	HESEARCH@C(XR2), HESRCHBW	BACKWARD REQUEST ?	04440000	
	C94A F2 90 1A	3718	JF	HEO01020	NO - CONTINUE	04450000	
15	C94D AF 01 2A 38	3720	SLC	HEWKTBL@C(2, XR2), HECTBLE@C(XR2)	DECREMENT CURRENT TABLE a	04470000	
	C951 AF 01 32 3A	3721	SLC	HEWKFMT@C(2, XR2), HECFMT@C(XR2)	DECREMENT CURRENT INDEX a	04480000	
16	C955 AD 01 2A 2C	3723	CLC	HEWKTBL@C(2, XR2), HETBLBEG@C(XR2)	CURRENT a < BEGIN a	04500000	
	C959 F2 02 43	3724	JNL	HEO01040	NO - CONTINUE	04510000	
18	C95C AC 01 2A 2E	3726	MVC	HEWKTBL@C(2, XR2), HETBLE@C(XR2)	SET CURRENT a TO LAST a	04530000	
	C960 AC 01 32 36	3727	MVC	HEWKFMT@C(2, XR2), HEFMT@C(XR2)	SET CURRENT a TO LAST a	04540000	
19	C964 F2 87 38	3729	J	HEO01040	CONTINUE	04560000	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		0095	2083	SCADREJ EQU	SCADLIN**+4 4	END-OF-JOB SVC	
		0095	2084	SCATPLW5 EQU	SCADREJ 2	IPL WORK AREA	
03		0092	2085	SCADREJ@ EQU	SCADREJ-3 .	START OF END-OF-JOB SVC	
		2086	*				
		0093	2087	SCADCON1 EQU	SCADREJ@+1 .	CONSTANT X'01'	
		2088	*				

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02	C967	AE 01 2A 38					
	C968	AE 01 32 3A					
03	C96F	8D 01 2A D76					
	C974	F2 04 28					
04	C977	B9 C0 08					
	C97A	F2 90 1A					
06							
07							
08	C97D	B5 01 28					
	C980	9C 00 01 01					
09	C984	B5 01 30					
	C987	9C 07 44 07					
10	C98B	AF 01 09 09					
	C98F	C2 01 2001					
	C993	C0 87 D500					

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		

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15	D128 CO 87 CB
16	D12C CO 87 CB
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01	
02	***** / 04100000
	04110000
	04120000
	04130000
	04140000
	04150000
	04160000
	04170000
	04180000
	04190000
	04200000
	04210000
	04220000
	04230000
	04240000
	04250000
	04260000
	04270000
	04290000
	04310000
	04320000
	04340000
	04350000
	04360000
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	04390000
	04410000
	04420000
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	04450000
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	04510000
	04530000
	04540000
	04560000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 85 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	C967 AE 01 2A 38	3731 HEO01020 ALC HEWKTBLA(2,XR2),HECTBLEK,XR2) INCREMENT CURRENT TABLE a	04580000
	C968 AE 01 32 3A	3732 ALC HEWKFMTA(2,XR2),HECFMTLNK,XR2) INCREMENT CURRENT INDEX a	04590000
03	C96F 8D 01 2A D762	3734 CLC HEWKTBLA(2,XR2),HETBLEND CURRENT a > TABLE END a	04610000
	C974 F2 04 28	3735 JNH HEO01040 NO - CONTINUE	04620000
04	C977 B9 C0 08	3737 TBF HESERCHC(XR2),HESRCHFV+HESRCHBW FORWARD/BACKWARD REQ ?	04640000
	C97A F2 90 1A	3738 JF HEO01030 YES - CONTINUE	04650000
05			
06		3740 *****	04670000
		3741 * *	04680000
		3742 * ERROR - INVALID NAME SPECIFIED FOR HELP *	04690000
		3743 * *	04700000
07		3744 *****	04710000
08	C97D B5 01 28	3746 L HETABLEK(XR2),XR1 XR1 --> CURRENT FORMAT TABLE a	04730000
	C980 9C 00 01 01	3747 MVC HETYPE(1,XR2),HETYPE(XR1) RESTORE TYPE CODE	04740000
09	C984 B5 01 30	3749 L HEFMTBLA(XR2),XR1 XR1 --> CURRENT INDEX ADDRESS	04760000
	C987 9C 07 44 07	3750 MVC HEFORMAT(8,XR2),FMTNAME(XR1) RESTORE FORMAT NAME	04770000
10	C98B AF 01 09 09	3752 SLC HESRCHDP(2,XR2),HESRCHDP(XR2) RESET SEARCH PARAMETERS	04790000
	C98F C2 01 2001	3754 LA HEMC2001,XR1 XR1 --> MIC 2001	04810000
	C993 C0 87 D5D0	3755 B HEO09000 CALL THE ERROR ROUTINE	04820000
11			
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\$HELP SYSTEM/34	
01	ERR LOC OBJECT CODE
02	C997 AC 01 2A
	C998 AC 01 32
03	C99F B5 01 2A
	C9A2 78 80 00
	C9A5 C0 90 C9A
04	C9A9 B8 20 08
	C9AC F2 10 4C
05	C9AF B8 20 4D
	C9B2 F2 90 2A
06	C9B5 B9 C0 08
	C9B8 F2 10 08
07	C9B8 60 00 01
	C9BF C0 01 C9A
08	C9C3 F2 87 74
09	C9CA AD 00 11
	C9CE C0 01 C9A
10	C9C6 98 03 12
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C16

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\$HELP SYSTEM/34 HELP UTILITY		PAGE 49 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		2137 * EQU X'01' . RESERVED IR81	
		2138 *	
03	00A8 2139 SCADCF69 EQU SCADCF68+1	1 REMOTE CONFIGURATION BYTE IR31	
	00B0 2140 SCAMRWSA EQU X'80'	. REMOTE WORK STATIONS ACTIVE	
	2141 *	FOR THIS IPL	
	0040 2142 SCAMRWSA EQU X'40'	PERFORM AUXILIARY ONLINE AT IPL	

\$HELP SYSTEM/34 H	
01	ERR LOC OBJECT CODE
02	
03	

15	D128 CO 87 C872	5029	B	HE002000	LOOK UP AND DISPLAY FORMAT	15780000
16	D12C CO 87 C8C8	5031	B	HE000200	RETURN TO MAINLINE	15800000
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15	D128 CO 87 C872	5029	B	HE002000	LOOK UP AND DISPLAY FORMAT	15780000
16	D12C CO 87 C8C8	5031	B	HE000200	RETURN TO MAINLINE	15800000
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D17

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ENT TABLE a	04580000
ENT INDEX a	04590000
D a	04610000
	04620000
WARD REQ ?	04640000
	04650000
*****	04670000
*	04680000
*	04690000
*	04700000
*****	04710000
T TABLE a	04730000
	04740000
ADDRESS	04760000
AME	04770000
PARAMETERS	04790000
	04810000
E	04820000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 86 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	C997 AC 01 2A 2C	3757 HE001030 MVC HEWKTBLa(2,XR2),HETBLBEG(,XR2) SET CURRENT TO TABLE BEGa	04840000
	C99B AC 01 32 34	3758 MVC HEWKFMt(2,XR2),HEFMtBEG(,XR2) SET CURRENT TO INDEX BEGa	04850000
03	C99F B5 01 2A	3760 HE001040 L HEWKTBLa(,XR2),XR1 XR1 ---> CURRENT TABLE ENTRY	04870000
04	C9A2 78 80 00	3762 TBN HECONTRL(,XR1),HEPRIME IS THIS A PRIME FORMAT ?	04890000
	C9A5 CO 90 C947	3763 BF HE001010 NO - FIND NEXT FORMAT	04900000
05	C9A9 B8 20 08	3765 TBN HESEARCH(,XR2),HESRCHNM THIS A NAME ONLY SEARCH ?	04920000
	C9AC F2 10 4C	3766 JT HE001050 YES - CONTINUE	04930000
06	C9AF B8 20 4D	3768 TBN HESWITCH(,XR2),HESCRNUP IS A DISPLAY ALREADY UP ?	04950000
	C9B2 F2 90 2A	3769 JF HE001044 NO - CONTINUE	04960000
07	C9B5 B9 CO 08	3771 TBF HESEARCH(,XR2),HESRCHFW+HESRCHBW FORWARD/BACKWARD REQ ?	04980000
	C9B8 F2 10 08	3772 JT HE001042 NO - CONTINUE	04990000
09	C9BB 6D 00 01 01	3774 CLC HETYPE(1,XR1),HETYPE(,XR2) IS THIS THE SAME TYPE ?	05010000
	C9BF CO 01 C947	3775 BNE HE001010 NO - FIND NEXT FORMAT	05020000
10	C9C3 F2 87 74	3777 J HE001090 CONTINUE	05040000
11	3779	*****	05060000
12	3780 *		05070000
	3781 *	FOR A FULL TABLE LOOK UP, THE DIGIT PORTION OF THE	05080000
	3782 *	TYPE BYTE MUST MATCH THE DIGIT PORTION OF THE TYPE BYTE	05090000
	3783 *	FROM THE CURRENTLY DISPLAYED SCREEN.	05100000
	3784 *		05110000
	3785	*****	05120000
14	C9C6 98 03 12 01	3787 HE001042 MNN HETYPsAV(,XR2),HETYPE(,XR1) SAVE TABLE ENTRY TYPE CODE	05140000
15	C9CA AD 00 11 12	3789 CLC HETYPsAV-1(1,XR2),HETYPsAV(,XR2) ARE TYPES THE SAME ?	05160000
	C9CE CO 01 C947	3790 BNE HE001010 NO - FIND NEXT FORMAT	05170000

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R8	
R3	

\$HELP SYSTEM/34 HELP UTILITY		PAGE 50 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	2191 *		
	00C1 2192 SCADXM11 EQU SCADXMID-1	EXAM IDS 1-7	R6
	2193 * EQU X'80'	RESERVED	
03	0040 2194 SCAMSPRK EQU X'40'	01 - DISK DM (SPARK)	
	0020 2195 SCAMLSMF EQU X'20'	02 - MLCA SMF	
	2196 * EQU X'10'	03 - RESERVED	

\$HELP SYSTEM/34 HELP UTILITY		PAGE 86 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02			
03			
04			
05	C9D2 79 70 01		
	C9D5 F2 10 0E		
06	C9D8 B8 80 01		
	C9DB CO 90 C947		
07	C9DF 78 10 00		
	C9E2 CO 10 C947		
08	C9E6 78 80 01		
	C9E9 CO 10 C947		
09	C9ED 78 08 00		
	C9F0 F2 90 08		
10	C9F3 38 10 D73C		
	C9F7 CO 90 C947		
12	C9FB B5 01 32		
13	C9FE 6D 07 07 44		
	CA02 CO 01 C947		
14	CA06 F2 87 31		

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TO TABLE BEG@	04840000
TO INDEX BEG@	04850000
LE ENTRY	04870000
AT ?	04890000
AT	04900000
ARCH ?	04920000
	04930000
Y UP ?	04950000
	04960000
CKWARD REQ ?	04980000
	04990000
TYPE ?	05010000
AT	05020000
	05040000
	05060000
*****	05070000
*	05080000
BYE *	05090000
*	05100000
*	05110000
*****	05120000
TYPE CODE	05140000
HE SAME ?	05160000
T	05170000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 87 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	3792	*****	05190000
	3793 *		05200000
03	3794 *	IF THE TABLE ENTRY WHICH HAS BEEN FOUND IS A SUB LIST,	05210000
	3795 *	INSURE THAT THE CURRENTY DISPLAYED SCREEN IS PRIVILEGED.	05220000
	3796 *	IF NOT PRIVILEGED, CONTINUE SEARCHING TABLE.	05230000
04	3797 *		05240000
	3798	*****	05250000
05	C9D2 79 70 01	3800 TBF HETYPE(,XR1),HESLST#7	IS THIS A SUB LIST ? 05270000
	C9D5 F2 10 0E	3801 JT HE001045	NO - CONTINUE 05280000
06	C9D8 B8 80 01	3803 TBN HETYPE(,XR2),HESHELP	LAST SCREEN PRIVILEGED ? 05300000
	C9DB CO 90 C947	3804 BF HE001010	NO - FIND NEXT FORMAT 05310000
07	C9DF 78 10 00	3806 HE001044 TBN HECONTRL(,XR1),HENDINPT	NOT ALLOWED AS INPUT PARAMETER ? 05330000
	C9E2 CO 10 C947	3807 BT HE001010	YES - FIND NEXT FORMAT 05340000
08	C9E6 78 80 01	3809 HE001045 TBN HETYPE(,XR1),HESHELP	THIS A PRIVILEGED FORMAT ? 05360000
	C9E9 CO 10 C947	3810 BT HE001010	YES - FIND NEXT FORMAT 05370000
10	C9ED 78 08 00	3812 TBN HECONTRL(,XR1),HENDCALL	IS THIS A NOT CALLABLE ENTRY ? 05390000
	C9FO F2 90 08	3813 JF HE001050	NO - CONTINUE 05400000
11	C9F3 38 10 D73C	3815 TBN HESEARCH,HESRCHK	NOT CALLABLE ENTRIES OK ? 05420000
	C9F7 CO 90 C947	3816 BF HE001010	NO - FIND NEXT FORMAT 05430000
13	C9FB B5 01 32	3818 HE001050 L HEWKFMt(,XR2),XR1	XR1 --> CURRENT INDEX ENTRY 05450000
	C9FE 6D 07 07 44	3820 CLC FMTNME(,XR1),HEFORMAT(,XR2)	SAME FORMAT NAME ? 05470000
	CA02 CO 01 C947	3821 BNE HE001010	NO - FIND NEXT FORMAT 05480000
15	CA06 F2 87 31	3823 J HE001090	CONTINUE 05500000

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	
02	CA09 B5 01 2A
05	CA0C AF 00 09 7
	CA10 F2 82 21
06	CA13 B6 01 38
	CA16 B4 01 2A
07	CA19 AE 01 32 3
08	CA1D B8 08 08
	CA20 F2 10 07
09	CA23 60 00 01 0
	CA27 F2 01 25
10	CA2A 7D FF 00
	CA2D F2 81 1F
12	CA30 CO 87 CAOC
13	CA34 B8 08 08
	CA37 F2 90 0A
14	CA3A B5 01 2A
	CA3D B4 01 28
15	CA40 AC 01 30 32
	CA44 9C 07 07 07
16	CA48 B5 01 32
	CA4B 9C 07 44 07
17	CA4F AF 01 09 09
18	
19	CA53 CO 87 0000

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[R6]	

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ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	2245 *	WITHIN THE INDIVIDUAL CONFIGURATION	
	2246 *	BYTES. EACH ENTRY IS TWO BYTES LONG.	
	2247 *	BYTE 0: SEE LABEL 'UOTDCMF1'	
03	2248 *	BYTE 1: SEE LABEL 'UOTDCMF3' FOR BITS 0-3.	
	2249 *	BITS 4-7 (X'OF') MAP THE DEVICE	
	2250 *		

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	
03	

14		14	D178 C0 87 CCE8
15		15	D17F 3C 01 D73D
16		16	D183 C0 87 CB72
17		17	D187 C0 87 C8C8
18		18	
19		19	
20		20	

D19

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
01							
02			3825		*****	05520000	
			3826	*	*	05530000	
03			3827	*	PERFORM TABLE SEARCH WITH SPECIFIED DISPLACEMENT FROM PRIME	05540000	
			3828	*	FORMAT.	05550000	
			3829	*	*	05560000	
			3830		*****	05570000	
04	CA09 B5 01 2A		3832	HE001060 L	HEWKTBL@(<XR2>),XR1 XR1 --> CURRENT TABLE ENTRY	05590000	
05	CA0C AF 00 09 73		3834	HE001070 SLC	HESRCHDP(<1,XR2>),HECONE(<XR2>) DECREMENT DISPLACEMENT	05610000	
	CA10 F2 82 21		3835	JM	HE001080 DISPLACEMENT < 0 - CONTINUE	05620000	
06	CA13 B6 01 38		3837	A	HECTBLEN(<XR2>),XR1 XR1 --> NEXT TABLE ENTRY	05640000	
	CA16 B4 01 2A		3838	ST	HEWKTBL@(<XR2>),XR1 SAVE NEXT TABLE ENTRY ADDRESS	05650000	
07	CA19 AE 01 32 3A		3839	ALC	HEWKFMt@(<2,XR2>),HECFMTLNC(<XR2>) INCREMENT INDEX ADDRESS	05660000	
08	CA1D B8 08 08		3841	TBN	HESEARCHC(<XR2>),HESRCHPR PRIME DISPLACEMENT SEARCH ?	05680000	
	CA20 F2 10 07		3842	JT	HE001075 YES - CONTINUE	05690000	
09	CA23 6D 00 01 01		3844	CLC	HETYPE(<1,XR1>),HETYPE(<XR2>) THIS THE SAME TYPE ?	05740000	
	CA27 F2 01 25		3845	JNE	HE001097 NO - RETURN	05750000	
10	CA2A 7D FF 00		3847	HE001075 CLI	OC,<XR1>),HECXFOX THIS THE END OF THE TABLE ?	05770000	
	CA2D F2 81 1F		3848	JE	HE001097 YES - RETURN	05780000	
11	CA30 CD 87 CA0C		3850	B	HE001070 FIND NEXT TABLE ENTRY	05800000	
12	CA34 B8 08 08		3852	HE001080 TBN	HESEARCHC(<XR2>),HESRCHPR PRIME DISPLACEMENT SEARCH ?	05820000	
	CA37 F2 90 0A		3853	JF	HE001095 NO - CONTINUE	05830000	
14	CA3A B5 01 2A		3855	HE001090 L	HEWKTBL@(<XR2>),XR1 XR1 --> CURRENT TABLE ENTRY	05850000	
	CA3D B4 01 28		3856	ST	HETABLE@(<XR2>),XR1 SAVE PRIME TABLE ENTRY @	05860000	
15	CA40 AC 01 30 32		3858	MVC	HEFMTBL@(<2,XR2>),HEWKFMt@(<XR2>) SAVE INDEX ENTRY ADDRESS	05880000	
16	CA44 9C 07 07 07		3860	HE001095 MVC	HETBLLEN-1(<HETBLLEN,XR2>),HETBLLEN-1(<XR1>) SAVE TBL ENTRY	05900000	
17	CA48 B5 01 32		3862	L	HEWKFMt@(<XR2>),XR1 XR1 --> CURRENT INDEX ENTRY @	05920000	
	CA4B 9C 07 44 07		3863	MVC	HEFORMAT(<8,XR2>),FITNME(<XR1>) SAVE CURRENT FORMAT NAME	05930000	
18	CA4F AF 01 09 09		3865	HE001097 SLC	HESRCHDP(<2,XR2>),HESRCHDP(<XR2>) RESET SEARCH PARAMETERS	05950000	
19			0002	3867	DROP 2	DROP BASE REGISTER	05970000
20	CA53 C0 87 0000		3869	HE001099 B	#	RETURN TO CALLER	05990000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
01							
02			2280	*	SVEQU	02140000	
			2281	*			
03			2282	*	SVC R-BYTE EQUATES	0040	
			2283	*		0041	
			0000	2284	SVCWAIT EQU X'00'	GENERAL WAIT	0042
						0043	

14	D178 F2 90 0C	5117	JF	HE003599	NO - CONTINUE	16570000	14
15	D17B CU 87 CCE8	5119	B	HE002100	SAVE PARAMETERS IN PPSA	16590000	15
16	D17F 3C 01 D73D	5121	MVI	HESRCHDP,ONE	MOVE 1 TO DISPLACEMENT COUNTER	16610000	16
17	D183 CO 87 CB72	5123	B	HE002000	LOOK UP AND DISPLAY FORMAT	16630000	17
18	D187 CO 87 C8C8	5125 HE003599 B		HE000200	RETURN TO MAINLINE	16650000	18
19							19
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC	OBJECT CODE	ADDR
02	05520000		3871	*/*	START OF SPECIFICATIONS *****/	06010000	02		
*	05530000		3872	*/*	*/	06020000			
*	05540000		3873	*/*	ROUTINE NAME = HE001100	06030000			
*	05550000		3874	*/*	*/	06040000			
*	05560000		3875	*/*	STATUS = RELEASE 6	06050000			
***	05570000		3876	*/*	*/	06060000			
	05590000		3877	*/*	FUNCTION = REVERSE COMPRESSION MASK FOR 960 DISPLAY SCREENS	06070000			
			3878	*/*	*/	06080000			
			3879	*/*	INPUT = HECPMMSK,HETYPE	06090000			
	05610000		3880	*/*	*/	06100000			
	05620000		3881	*/*	OUTPUT = REVERSED COMPRESS MASK	06110000			
			3882	*/*	*/	06120000			
	05640000		3883	*/*	EXITS = HE002020	06130000			
	05650000		3884	*/*	*/	06140000			
	05660000		3885	*/*	CHANGE ACTIVITY = 11/13/79 RSH	06150000			
			3886	*/*	*/	06160000			
			3887	*/*	END OF SPECIFICATIONS *****/	06170000			
08	CA57 C2 02 D734	3889	HE001100 LA	HETBLSAV,XR2	XR2 ---> BASE REGISTER @	06190000	08		
		D734 3890		USING HETBLSAV,2	ESTABLISH BASE REGISTER	06190500			
09	CA5B B8 08 4D	3892	TBN	HESWITCH(C,XR2),HESPLIT2 2ND HALF OF SPLIT SCREEN ?		06191500	09		
	CA5E F2 90 0D	3893	JF	HE001110	NO - CONTINUE	06192000			
10	CA61 B8 08 4D	3895	SBF	HESWITCH(C,XR2),HESPLIT2 RESET FOR 1ST HALF OF SPLIT SCR		06193000	10		
11	CA64 B5 01 28	3897	L	HETABLE@C,XR2),XR1	XR1 ---> CURRENT TABLE ENTRY	06194000	11		
12	CA67 9C 02 07 07	3899	MVC	HECPMMSK(3,XR2),HECPMMSK(C,XR1) RESTORE COMPRESS MASK		06195000	12		
13	CA68 F2 87 77	3901	J	HE001170	CONTINUE	06196000	13		
14	CA6E BA 08 4D	3903	HE001110 SBN	HESWITCH(C,XR2),HESPLIT2 SET FOR 2ND HALF OF SPLIT SCREEN		06197000	14		
15	CA71 AF 07 55 55	3905	SLC	HEWORK+7(C,XR2),HEWORK+7(C,XR2) CLEAR WORK AREA		06198000	15		
16	CA75 AC 02 50 07	3907	MVC	HEWORK+2(3,XR2),HECPMMSK(C,XR2) SAVE COMPRESS MASK		06210000	16		
	CA79 AC 02 53 70	3908	MVC	HEWORK+5(3,XR2),HEREVMSK(C,XR2) MOVE IN REVERSE MASK		06220000			
	CA7D AF 02 53 50	3909	SLC	HEWORK+5(3,XR2),HEWORK+2(C,XR2) REVERSE COMPRESS MASK		06230000			
17	CAB1 A8 03 12 01	3911	MVN	HETYP@AV(C,XR2),HETYPE(C,XR2) SAVE TYPE CODE		06270000	17		
18							18		
19							19		
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC	OBJECT CODE	ADDR
02	02140000		2335	*	DELAYED SVC R-BYTE EQUATES		02		
			0040	2336	SVC@D EQU X'40'	DISK IOS			
03			0041	2337	SVC@O EQU X'41'	DISKETTE IOCS			
			0042	2338	SVC@T EQU X'42'	WORKSTATION IOCH (PRINTER)			
			0043	2339	SVC@SC EQU X'43'	WORKSTATION IOCH (TERMINAL)			

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16610000
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DIC4 C2 01 097C 3190
DIC8 CO 87 CD41 5193

D21

1/81 12/05/81 12:00
06010000
06020000
06030000
06040000
06050000
06060000
06070000
06080000
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06100000
06110000
06120000
06130000
06140000
06150000
06160000
06170000
06190000
06190500
06191500
06192000
06193000
06194000
06195000
06196000
06197000
06198000
06210000
06220000
06230000
06270000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		3913		*****	06280500
		3914	*	*	06281000
03		3915	*	IF THIS IS AN OCL SCREEN, THE FIRST THREE BITS OF THE	06281500
		3916	*	COMPRESS MASK MUST BE RESTORED AFTER BEING REVERSED.	06282000
		3917	*	*	06282500
04		3918	*	IF THIS IS A PCE SCREEN, THE FIRST TWO BITS OF THE	06283000
		3919	*	COMPRESS MASK MUST BE RESTORED AFTER BEING REVERSED.	06283500
		3920	*	*	06284000
05		3921	*	FOR ALL OTHER TYPES OF SCREENS, THE FIRST FOUR BITS OF	06284500
		3922	*	THE COMPRESS MASK MUST BE RESTORED AFTER BEING REVERSED.	06285000
		3923	*	*	06285500
		3924		*****	06286000
06	CA85 BC FO 54	3926	MVI	HEWORK+6(,XR2),X'FO' SET TO RESTORE FOUR BITS	06287000
	CA88 BC 08 55	3927	MVI	HEWORK+7(,XR2),EIGHT SET FOR EIGHT BITS	06287500
07	CA8B BD 03 12	3929	CLI	HETYP(SAV(,XR2),HEOCL IS THIS A OCL SCREEN ?	06310300
	CA8E F2 01 03	3930	JNE	HE001120 NO - CONTINUE	06310600
08	CA91 BC EO 54	3932	MVI	HEWORK+6(,XR2),X'EO' SET TO RESTORE THREE BITS	06311200
09	CA94 BD 04 12	3934	HE001120 CLI	HETYP(SAV(,XR2),HEPCE IS THIS A PCE SCREEN ?	06311800
	CA97 F2 01 03	3935	JNE	HE001130 NO - CONTINUE	06312100
10	CA9A BC CO 54	3937	MVI	HEWORK+6(,XR2),X'CO' SET TO RESTORE TWO BITS	06312700
11	CA9D BB 80 54	3939	HE001130 TBN	HEWORK+6(,XR2),X'80' RESTORE NEEDED FOR THIS BIT ?	06313300
	CA90 F2 90 0C	3940	JF	HE001140 NO - CONTINUE	06313600
12	CA93 BB 80 51	3942	SBF	HEWORK+3(,XR2),X'80' RESET BIT TO BE RESTORED	06314200
13	CA96 BB 80 4E	3944	TBN	HEWORK(,XR2),X'80' BIT ON IN ORIGINAL MASK ?	06314800
	CA99 F2 90 03	3945	JF	HE001140 NO - CONTINUE	06315100
14	CAAC BA 80 51	3947	SBN	HEWORK+3(,XR2),X'80' SET ORIGINAL BIT INTO REV MASK	06315700
15	CAAF AE 06 54 54	3949	HE001140 ALC	HEWORK+6(7,XR2),HEWORK+6(,XR2) SHIFT BITS TO LEFT	06316300
16	CAB3 AF 00 55 73	3951	SLC	HEWORK+7(1,XR2),HECONE(,XR2) ANY MORE BITS TO SHIFT ?	06316900
	CAB7 CO 01 CA9D	3952	BNZ	HE001130 YES - CHECK NEXT BIT	06317200
17	CABB AC 02 53 52	3954	MVC	HEWORK+5(3,XR2),HEWORK+4(,XR2) RE-POSITION REVERSED MASK	06317800

\$HELP SYSTEM/34 HELP UTILITY PAGE 90 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT
02 3956
3957
03 3958
3959
3960
04 3961
3962
05 CABF 88 80 51 3964
CAC2 F2 10 00 3965
06 CAC5 AE 00 54 73 3967
07 CAC9 BD 0C 54 3969
CACC F2 04 03 3970
08 CACF BA 80 51 3972
09 CAD2 AE 05 53 53 3974
CAD6 AE 00 55 73 3976
10 CADA BD 18 55 3978
CADD CO 82 CABF 3979
11 CAE1 AC 02 07 50 3981
12 0002 3983
CAE5 C2 02 D683 3984
13 CAE9 CO 87 CB8B 3986
14
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C21

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		2376	*	TCB	02160000
		2377		*****	
		2378	*	T C B	*
03		2379		*****	

\$HELP SYSTEM/34 HELP UTILITY PAGE 54 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT
02 2429
0000 2430
03 0080 2432

17330000	14
17360000	15
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D252 C2 02 D683 D256 B5 02 21	14
D259 38 01 D781 D25D F2 90 00	15
D260 38 01 D781 D264 2C 07 D733 07	16
D269 C0 87 D5CD	17
D26D C0 87 C8C8	18
	19
	20

D23

91 V09/11/81 12/05/81 12:00	01
*****	02
*	03
*	04
*	05
*	06
*	07
*****	08
06401000	09
06402000	10
06403000	11
06404000	12
06405000	13
06406000	14
06407000	15
06430000	16
06440000	17
06460000	18
06470600	19
06471200	20
06472400	
06473200	
06473600	
06474800	
06475400	
06476600	
06477800	
06478400	
06480000	

\$HELP SYSTEM/34 HELP UTILITY		PAGE 92 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	3988 */* START OF SPECIFICATIONS *****/	06500000	
	3989 */* */	06510000	
03	3990 */* ROUTINE NAME = HEO01200	06520000	
	3991 */* */	06530000	
	3992 */* STATUS = RELEASE 3	06540000	
	3993 */* */	06550000	
04	3994 */* FUNCTION = INSURE THAT ALL MANDATORY FIELDS ARE PRESENT	06560000	
	3995 */* */	06570000	
	3996 */* INPUT = MANDATORY FIELD MASK, WORKSTATION BUFFER	06580000	
05	3997 */* */	06590000	
	3998 */* OUTPUT = NONE	06600000	
	3999 */* */	06610000	
06	4000 */* EXITS = NORMAL - RETURN TO CALLER	06620000	
	4001 */* ERROR - CALL THE ERROR ROUTINE	06630000	
	4002 */* */	06640000	
07	4003 */* CHANGE ACTIVITY = 01/14/80 RSH	06650000	
	4004 */* */	06660000	
	4005 */* END OF SPECIFICATIONS *****/	06670000	
08	CAED 34 08 CB33 4007 HEO01200 ST HEO01299+3,ARR SAVE RETURN ADDRESS	06690000	
09	CAF1 3C 51 D744 4009 MVI HEIND***,81 SET FOR INDICATOR 81	06740000	
10	CAF5 0C 01 D783 D737 4011 MVC HEWORK+1(2),HETBLSAV+HEMINDMSK MOVE MASK TO WORK AREA	06760000	
	CAFB E2 01 00 4013 LA 0C,XR2),XR1 XR1 --> 1ST PARAMETER IN BUFFER	06780000	
11	CAFE 38 80 D782 4015 HEO01210 TBN HEWORK,X'80' THIS A REQUIRED PARAMETER ?	06800000	
	CB02 F2 90 18 4016 JF HEO01220 NO - CONTINUE	06810000	
12	CB05 7D 40 00 4018 CLI 0C,XR1),BLANK PARAMETER > BLANK ?	06830000	
	CB08 F2 84 12 4019 JH HEO01220 YES - CONTINUE	06840000	

\$HELP SYSTEM/34 HELP UTILITY			
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02			
03			
04	CB08 C0 87 CB34		
05	CB0F 0C 01 D74E CCE7		
06	CB15 C2 01 2002 CB19 C0 87 D50D		
07	CB1D D2 01 08		
08	CB20 0E 00 D744 D7A7 CB26 0E 01 D783 D783 CB2C C0 01 CAFE		
09			
10	CB30 C0 87 0000		
11			
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55 V09/11/81 12/05/81 12:00	01
WWW	02
	03

\$HELP SYSTEM/34 HELP UTILITY		PAGE 56 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	0040 2483 TCBCHKPT EQU X'40' . THIS TASK IS BEING CHECKPOINTED		
	0020 2484 TCBEXTRA EQU X'20' . EXTENDED TRACE ACTIVE		
03	0010 2485 TCBCCALL EQU X'10' . CLOSE HAS BEEN CALLED INDICATOR		
	0008 2486 TCBKCALL EQU X'08' . KEYSORT HAS BEEN CALLED INDICATOR		

\$HELP SYSTEM/34 HELP UTILITY			
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02			
03			

14	D252 C2 02 D683 D256 B5 02 21	5249 5250	LA L	HEWSDTF, XR2 \$MSRECA(, XR2), XR2	XR2 --> WORKSTATION DTF XR2 --> WORKSTATION BUFFER	17891800 17892700
15	D259 38 01 D781 D25D F2 90 00	5252 5253	TBN JF	HESWITCH, HE11PARM HE003799	THIS OVERRIDE HAVE 11 PARM'S ? NO - CONTINUE	17894500 17895400
16	D260 38 01 D781 D264 2C 07 D733 07	5254 5255 5256 *	SBF MVC	HESWITCH, HE11PARM PARM11+7(8), HE11PARM1+7(, XR2)	RESET NULL PARM INDICATOR MOVE 11TH PARM TO SAVE AREA	17896300 17897200 17898100
17	D269 C0 87 D5CD	5257	B	HE005500	PUT PARM IN LOCAL AREA	17899000
18	D26D C0 87 C8C8	5259 HE003799 B	HE000200		RETURN TO MAINLINE	17910000
19						
20						

D24

92	V09/11/81 12/05/81 12:00
*****/	06500000
*/	06510000
*/	06520000
*/	06530000
*/	06540000
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*/	06560000
*/	06570000
*/	06580000
*/	06590000
*/	06600000
*/	06610000
*/	06620000
*/	06630000
*/	06640000
*/	06650000
*/	06660000
****/	06670000
	06690000
	06740000
A	06760000
FFER	06780000
	06800000
	06810000
	06830000
	06840000

01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 93 V09/11/81 12/05/81 12:00	
	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
02		4021		*****		06860000
		4022	*	*		06870000
03		4023	*	A REQUIRED PARAMETER IS MISSING	*	06880000
		4024	*	*		06890000
		4025		*****		06900000
04	CB08 C0 87 CB34	4027	B	HE001300	SET ON SFGR INDICATOR	06920000
05	CB0F 0C 01 D74E CCE7	4029	MVC	HELSTRNC(2), HE002099+3	FORCE NORMAL RETURN AFTER ERROR	06940000
06	CB15 C2 01 2002 CB19 C0 87 D5DD	4031 4032	LA B	HEMC2002, XR1 HE009000	XR1 --> MIC 2002 CALL ERROR ROUTINE	06960000 06970000
07	CB1D D2 01 08	4034	HE001220 LA	8(, XR1), XR1	XR1 --> NEXT PARAMETER IN BUFFER	06990000
08	CB20 0E 00 D744 D7A7	4036	ALC	HEIND*(1), HEONE	POINT TO NEXT INDICATOR	07003000
	CB26 0E 01 D783 D783	4038	ALC	HEWRK+1(2), HEWRK+1	DOUBLE MANDATORY MASK	07070000
	CB2C C0 01 CAFE	4039	BNZ	HE001210	NOT ZERO - CHECK NEXT FIELD	07080000
09	CB30 C0 87 0000	4041	HE001299 B	#	RETURN TO CALLER	07100000
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01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 57 V09/11/81 12/05/81 12:00	
	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
02		000F 2537	TCBRDQ EQU	TCBCHAIN+2	SYSTEM READY QUEUE CHAINING FIELD	
		000F 2538	TCBSWAPQ EQU	TCBRDQ	SYSTEM READY QUEUE SPECIAL EQUATE	
03		0011 2539	TCBXNTQ EQU	TCBRDQ+2	SYSTEM TRANSIENT QUEUE CHAINING FIELD	
		0013 2540	TCBRTUB EQU	TCBXNTQ+2	TUB ADDRESS OF REQUESTOR	

01	\$HELP SYSTEM/34 HELP UTILITY	
	ERR LOC OBJECT CODE	
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08	CB34 34 08 CB71	
09	CB38 34 01 CB6D CB3C C2 01 D7BC	
10	CB40 3C 02 CB68 CB44 0C 00 D743 D744	
11	CB4A 0F 00 D743 D7A7 CB50 F2 04 14	
12	CB53 0E 00 CB68 CB68 CB59 F2 20 07	
13	CB5C 3C 01 CB68 CB60 D2 01 01	
14	CB63 C0 87 CB4A	
15	CB67 7A 00 00	
16	CB6A C2 01 0000	
17	CB6E C0 87 0000	
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17891800	14
17892700	14
17894500	15
17895400	15
17896300	16
17897200	16
17898100	16
17899000	16
17910000	17
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93 V09/11/81 12/05/81 12:00	01
***** 06860000	02
* 06870000	02
* 06880000	03
* 06890000	03
***** 06900000	03
06920000	04
RROR 06940000	05
06960000	06
06970000	06
06990000	07
07003000	08
07070000	08
07080000	09
07100000	10
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\$HELP SYSTEM/34 HELP UTILITY	PAGE 94 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	4043 */* START OF SPECIFICATIONS *****/ 07110200
	4044 */* */ 07110400
03	4045 */* ROUTINE NAME = HEO01300 */ 07110600
	4046 */* */ 07110800
	4047 */* STATUS = RELEASE 6 */ 07111000
	4048 */* */ 07111200
04	4049 */* FUNCTION = SET SPECIFIED SFGR INDICATOR */ 07111400
	4050 */* */ 07111600
	4051 */* INPUT = INDICATOR NUMBER IN HEIND** */ 07111800
	4052 */* */ 07112000
05	4053 */* OUTPUT = SPECIFIED INDICATOR IS SET IN SFGR INDICATOR TABLE */ 07112200
	4054 */* */ 07112400
06	4055 */* EXITS = NORMAL - RETURN TO CALLER */ 07112600
	4056 */* */ 07112800
	4057 */* CHANGE ACTIVITY = 01/14/80 RSH */ 07113000
	4058 */* */ 07113200
07	4059 */* END OF SPECIFICATIONS *****/ 07113400
08	CB34 34 08 CB71 4061 HEO01300 ST HEO01399*3,ARR SAVE RETURN ADDRESS 07113800
	CB38 34 01 CB6D 4063 ST HEO01390*3,XR1 SAVE REGISTER 1 07114200
09	CB3C C2 01 D7BC 4065 LA HEINDTBL,XR1 XR1 --> SFGR INDICATOR TABLE 07114600
	CB40 3C 02 CB68 4067 MVI HEO01330+1,TWD SET FOR INDICATOR 01 07115000
	CB44 0C 00 D743 D744 4068 MVM HEINDCTR(1),HEIND** COPY SPECIFIED INDICATOR NUMBER 07115200
11	CB4A 0F 00 D743 D7A7 4070 HEO01310 SLC HEINDCTR(1),HECONE THIS THE INDICATOR NUMBER ? 07115600
	CB50 F2 04 14 4071 JNP HEO01330 YES - SET THE INDICATOR 07115800
12	CB53 0E 00 CB68 CB68 4073 ALC HEO01330+1(1),HEO01330+1 POINT TO NEXT INDICATOR 07116200
	CB59 F2 20 07 4074 JNDL HEO01320 CHECK THIS INDICATOR 07116400
13	CB5C 3C 01 CB68 4076 MVI HEO01330+1,ONE RESET INDICATOR MASK 07116800
	CB60 D2 01 01 4077 LA 1(,XR1),XR1 XR1 --> NEXT INDICATOR BYTE 07117000
14	CB63 C0 07 CB4A 4079 HEO01320 B HEO01310 CHECK NEXT INDICATOR 07117400
15	CB67 7A 00 00 4081 HEO01330 SBN 0(,XR1),# SET ON THE INDICATOR 07117800
16	CB6A C2 01 0000 4083 HEO01390 LA #,XR1 RESTORE REGISTER 1 07118200
17	CB6E C0 07 0000 4085 HEO01399 B # RETURN TO CALLER 07118600
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\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	
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09	CB72 34 08 CCE7
	CB76 C0 07 C927
10	CB7A 3B 08 D781
11	CB7E 38 00 D734
	CB82 F2 90 11
12	CB85 35 01 D758
13	CB89 5F 57 7F 7F
	CB8D 4C 07 2F D778
14	CB92 3C 00 D741
15	CB96 3C 40 ED67
	CB9A 0C 76 ED66 ED67
16	CB9D C2 02 D683
	CB9F 8C 07 36 D778
17	CB99 BC 00 1C
	CBAC 38 04 D781
18	CB80 F2 90 08
19	CB83 38 44 D734
	CB87 C0 10 CA57
20	

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	02
	03

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ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	0002 2591 TCBLCKSP EQU X'02' INTERLOCK FOR SPOOL FILE
	2592 * EQU X'01' INTERLOCK FOR RESERVED
03	006A 2594 TCRSSTID EQU TCRLCKM+1 SHARED STORAGE TASK INSK BITS

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
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19		19
20		20

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1/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 95 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT S
07110200 07110400	4087 */* START OF SPECIFICATIONS 4088 */*	07120000 07130000	02 CBBB 3B 04 D781 4137 H
07110600 07110800 07111000	4089 */* ROUTINE NAME = HE002000 4090 */* 4091 */* STATUS = RELEASE 3	07140000 07150000 07160000	03 CBBF BC 07 1D 4139 * CBC2 C2 01 0058 4140 CBC6 B4 01 1F 4141
07111200 07111400 07111600	4092 */* 4093 */* FUNCTION = DISPLAY FORMAT 4094 */*	07170000 07180000 07190000	04 CBC9 C2 01 ECFO 4142 CBCD B4 01 21 4143 CB00 F4 01 04 4144
07111800 07112000 07112200	4095 */* INPUT = HEFORMAT CONTAINS THE FORMAT NAME TO BE DISPLAYED 4096 */* 4097 */* OUTPUT = FORMAT IS DISPLAYED	07200000 07210000 07220000	05 CB03 13 CB03 4145 4147 *
07112400 07112600 07112800	4098 */* PARAMETERS ARE LEFT JUSTIFIED IN THE 4099 */* WORK STATION BUFFER 4100 */*	07230000 07240000 07250000	06 CBD4 3A 20 D781 4149
07113000 07113200 07113400	4101 */* EXITS = RETURN TO MAINLINE 4102 */* 4103 */* CHANGE ACTIVITY = 05/12/81 LAT	07260000 07270000 07280000	07 CBD8 C0 87 D65D 4151
07113800	4104 */* 4105 */* END OF SPECIFICATIONS	07290000 07300000	08 CBDC 38 10 D781 4153 H CBEO F2 90 0C 4154
07114200	CB72 34 08 CCE7 4107 HE002000 ST HE002099+3,ARR SAVE RETURN ADDRESS	07320000	09 CBE3 38 10 D781 4156
07114600	CB76 C0 87 C927 4109 HE002010 B HE001000 SEARCH FOR FORMAT TABLE ENTRY	07340000	
07115000 07115200	CB7A 3B 08 D781 4111 SBF HESWITCH,HESPLITZ RESET SPLIT SCREEN UP	07360000	4158 * 4159 * 4160 * 4161 *
07115600 07115800	CB7E 38 80 D734 4113 TBN HETBLSAV+HECONTRL,HEPRIME THIS A PRIME FORMAT ? CB82 F2 90 11 4114 JF HE002015 NO - CONTINUE	07380000 07390000	4162 * CBE7 C2 01 2005 4164 CBEB C0 87 D50D 4165
07116200 07116400	CB85 35 01 D758 4116 L HEPSSAB,XR1 XR1 --> CURRENT HALF OF PPSA	07410000	
07116800 07117000	CB89 5F 57 7F 7F 4118 SLC PPSVAR11(88,XR1),PPSVAR11(,XR1) CLEAR PPSA CB8D 4C 07 2F D778 4119 MVC PPSVAR01(8,XR1),HEFORMAT MOVE NAME TO PPSA	07430000 07440000	13 CBEF C2 02 D683 4167 HE
07117400	CB92 3C 00 D741 4121 MVI HEPRMCTR,ZERO RESET PARAMETER COUNTER	07460000	14 CBF3 OF 77 ED67 ED67 4169 CBF9 BC 00 1C 4170
07117800	CB96 3C 40 ED67 4123 HE002015 MVI HEWSBUFF+119,BLANK CLEAR OUT WORK CB9A 0C 76 ED66 ED67 4124 MVC HEWSBUFF+118(119),HEWSBUFF+119 STATION BUFFER	07480000 07490000	15 CBFC BC 01 1D 4172 * CBFF C2 01 0058 4173 CC03 B4 01 38 4174 CC06 C2 01 ECFO 4175 CC0A B4 01 21 4176 CC0D BC 40 3B 4177 CC10 F4 01 04 4178 CC13 13 CC13 4179 4180 **
07118200	CB94 8C 07 36 D778 4128 MVC \$WSFHTN(8,XR2),HEFORMAT MOVE FORMAT NAME TO DTF	07530000	
07118600	CB99 BC 00 1C 4129 MVI \$WSOPM(,XR2),ZERO RESET OP CODE MODIFIER	07540000	
	CBAC 38 04 D781 4131 TBN HESWITCH,HERDN960 960 ROLL DOWN LAST REQUEST ?	07551000	
	CBBO F2 90 08 4132 JF HE002020 NO - CONTINUE	07552000	
	CB83 38 44 D734 4134 TBN HETBLSAV+HECONTRL,HESPLIT+HEROLL SPLIT AND ROLL OK ?	07554000	
	CB87 C0 10 CA57 4135 BT HE001100 YES - SHOW 2ND HALF OF FORMAT	07555000	

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1/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 59 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT SO
02	0020 2645 TCBCN3PD EQU X'20' 3 OPTION CANCEL PENDING 0010 2646 TCBMABTH EQU X'10' TASK IS IN ABNORMAL TERMINATION		02 007E 2700 TC 2701 *
03	0008 2647 TCBMSAFI EQU X'08' 2 OPTION-FLUSH PROC 0004 2648 TCBMSTAR EQU X'04' 2 OPTION-CONTINUE PROC		03 0080 2702 TC 2703 *

14		14	D2E2 3C 03 D73D
15		15	D2E6 F2 87 2A
16		16	
17		17	
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19		19	
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D27

95	V09/11/81	12/05/81	12:00
*****/	07120000		
*/	07130000		
*/	07140000		
*/	07150000		
*/	07160000		
*/	07170000		
*/	07180000		
*/	07190000		
*/	07200000		
*/	07210000		
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*/	07230000		
*/	07240000		
*/	07250000		
*/	07260000		
*/	07270000		
*/	07280000		
*/	07290000		
*****/	07300000		
	07320000		
ENTRY	07340000		
	07360000		
	07380000		
	07390000		
SA	07410000		
	07430000		
	07440000		
	07460000		
	07480000		
	07490000		
	07510000		
	07530000		
	07540000		
?	07551000		
	07552000		
?	07554000		
MAT	07555000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 96 V09/11/81 12/05/81 12:00
02	CBBB 3B 04 D781	4137	HE002020	SBF	HESWITCH,HERDN960	RESET 960 ROLL DOWN 07557000
03		4139 *			\$WSTO OPC-PTI,OUTLEN=88,RCAD=HEWSBUFF	07560000
04	CBBF BC 07 1D	4140		MVI	\$WSOPC(,2),07	SET SPECIFIED OPERATION CODE
05	CBC2 C2 01 0058	4141		LA	88,1	LOAD OUTPUT LENGTH INTO XR1
06	CBC6 B4 01 1F	4142		ST	\$WSOUTL(,2),1	STORE OUTPUT LENGTH IN DTF
07	CBC9 C2 01 ECFO	4143		LA	HEWSBUFF,1	LOAD RECORD AREA ADDRESS IN XR1
08	CBCD B4 01 21	4144		ST	\$WSRECA(,2),1	STORE RECORD AREA ADDRESS IN DTF
09	CBD0 F4 01 04	4145		SVC	X'04',X'01'	CALL WORK STATION DATA MGMT.
10	CBD3 13	CBD3 4146		DC	AL1(19)	RIB FOR DATA MANAGEMENT
11		4147			*** END OF EXPANSION **	
12	CBD4 3A 20 D781	4149		SBN	HESWITCH,HESCRNUP	SET FOR SCREEN UP 07580000
13	CBD8 C0 87 D65D	4151		B	HE009100	CHECK FOR ERROR RETURN CODE 07600000
14	CBDC 38 10 D781	4153	HE002030	TBN	HESWITCH,HEIOEROR	I/O ERROR MESSAGE PENDING ? 07620000
15	CBEO F2 90 DC	4154		JF	HE002035	NO - CONTINUE 07630000
16	CBE3 3B 10 D781	4156		SBF	HESWITCH,HEIOEROR	RESET I/O ERROR SWITCH 07650000
17		4158			*****	07670000
18		4159 *				07680000
19		4160 *			ERROR - I/O ERROR OCCURRED--PRESS ERROR RESET TO CONTINUE	07690000
20		4161 *				07700000
21		4162			*****	07710000
22	CBE7 C2 01 2005	4164		LA	HEMC2005,XR1	XR1 --> MIC 2005 07730000
23	CBEB C0 87 D5DD	4165		B	HE009000	CALL ERROR ROUTINE 07740000
24	CBEF C2 02 D683	4167	HE002035	LA	HEWSDTF,XR2	XR2 --> WORKSTATION DTF 07760000
25	CBF3 OF 77 ED67 ED67	4169		SLC	HEWSBUFF+119(120),HEWSBUFF+119	ZERO WORKSTATION BUFFER 07780000
26	CBF9 BC 00 1C	4170		MVI	\$WSOPM(XR2),ZERO	RESET OP CODE MODIFIER 07790000
27		4172 *			\$WSTO OPC-GET,INLEN=88,RCAD=HEWSBUFF,ROLL-Y	07810000
28	CBFC BC 01 1D	4173		MVI	\$WSOPC(,2),01	SET SPECIFIED OPERATION CODE
29	CBFF C2 01 0058	4174		LA	88,1	LOAD MAXIMUM INPUT LENGTH IN XR1
30	CC03 B4 01 38	4175		ST	\$WSINL(,2),1	STORE INPUT LENGTH IN DTF
31	CC06 C2 01 ECFO	4176		LA	HEWSBUFF,1	LOAD RECORD AREA ADDRESS IN XR1
32	CC0A B4 01 21	4177		ST	\$WSRECA(,2),1	STORE RECORD AREA ADDRESS IN DTF
33	CC0D BC 40 38	4178		MVI	\$WSKMSK(,2),0+64+0+0+0+0	MOVE KEY MASK TO DTF
34	CC10 F4 01 04	4179		SVC	X'04',X'01'	CALL WORK STATION DATA MGMT.
35	CC13 13	CC13 4180		DC	AL1(19)	RIB FOR DATA MANAGEMENT
36		4181			*** END OF EXPANSION **	
37	CC14 C0 87 D65D	4183		B	HE009100	CHECK FOR ERROR RETURN CODE 07830000

01		01	\$HELP SYSTEM/34 HELP UTILITY
02		02	ERR LOC OBJECT CODE
03		03	
04		04	CC18 BD 31 26
05		05	CC18 C0 81 CECO
06		06	
07		07	
08		08	CC1F BD 32 26
09		09	CC22 C0 81 D045
10		10	
11		11	CC26 BD 33 26
12		12	CC29 C0 81 CD9A
13		13	
14		14	CC2D BD 37 26
15		15	CC30 F2 01 14
16		16	
17		17	
18		18	CC33 35 02 D758
19		19	
20		20	CC37 BA 40 01
21		21	CC3A 35 01 D770
22		22	CC3E 4C 01 2F D78B
23		23	
24		24	CC43 C0 87 C90D

C27

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 60 V09/11/81 12/05/81 12:00
02						
03		007E 2700	TCBSTAT7	EQU	TCBX+1	TCB STATUS BYTE 7
04		2701 *				
05		0080 2702	TCBSPWTR	EQU	X'80'	SPOOL WRITER ID

01		01	\$HELP SYSTEM/34 HELP UTILITY
02		02	ERR LOC OBJECT CODE
03		03	

14	D2E2 3C 03 D73D	5383	MVI	HESRCHDP,THREE	MOVE 3 TO DISPLACEMENT COUNTER	19150000
15	D2E6 F2 87 2A	5384	J	HE004130	CONTINUE	19160000
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D28

9/11/81 12/05/81 12:00	07557000	07560000	07580000	07600000	07620000	07630000	07650000	07670000	07680000	07690000	07700000	07710000	07730000	07740000	07760000	07780000	07790000	07810000	07830000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 97 V09/11/81 12/05/81 12:00
02				4185	*****	07850000
				4186	*	07860000
03				4187	* CHECK COMMAND KEYS	07870000
				4188	*	07880000
				4189	*****	07890000
04	CC18 BD 31 26	4191	HE002040	CLI	\$WSAIDC, XR2), \$AIDCM01	COMMAND KEY 1 PRESSED ?
	CC1B CO 81 CECO	4192	BE	HE002600		YES - PUT UP HEKEYDSC FORMAT
						07910000
05	CC1F BD 32 26	4194	CLI	\$WSAIDC, XR2), \$AIDCM02	COMMAND KEY 2 PRESSED ?	07940000
	CC22 CO 81 D045	4195	BE	HE002800		YES - PUT UP MENU01 FORMAT
						07950000
06	CC26 BD 33 26	4197	CLI	\$WSAIDC, XR2), \$AIDCM03	COMMAND KEY 3 PRESSED ?	07970000
	CC29 CO 81 CD9A	4198	BE	HE002300		YES - PUT UP LIST
						07980000
08	CC20 BD 37 26	4200	CLI	\$WSAIDC, XR2), \$AIDCM07	COMMAND KEY 7 PRESSED ?	08000000
	CC30 F2 01 14	4201	JNE	HE002050		NO - CONTINUE
						08010000
09	CC33 35 02 D758	4203	L	HEPPSAB, XR2	XR2 --> PPSA BUFFER	08030000
10	CC37 BA 40 01	4205	SBN	PPSFLAG1C, XR2), PPSEDFSG	SET ON END OF PPSA	08050000
	CC3A 35 01 D744	4206	L	HEJCB@, XR1	XR1 --> JCB	08053000
	CC3E 4C 01 2- D78B	4207	MVC	JCBDRTCDC(2, XR1), HEMC1991	SET CMD7 RETURN CODE	08056000
11	CC43 CO 87 C90D	4209	B	HE000220	BRANCH TO END OF JOB	08070000
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9/11/81 12/05/81 12:00																			
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 61 V09/11/81 12/05/81 12:00
02				2708	* TUB	02180000
				2709	*****	
				2710	*	
03				2711	* TERMINAL UNIT BLOCK FOR TERMINALS	

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01					\$HELP SYSTEM/34 HELP UTILITY	
02	CC47 BD F5 26					42
	CC4A F2 01 1E					42
03	CC4D 38 02 D781					42
	CC51 F2 90 0F					42
04	CC54 38 40 D734					42
	CC58 F2 90 08					42
06	CC5B 38 08 D781					42
	CC5F CO 90 CA57					42
07	CC63 3C 80 D73C					42
08	CC67 CO 87 CB76					42
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01					\$HELP SYSTEM/34 HELP UTILITY	
02						275
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03						275
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COUNTER	19150000
	19160000

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14	D339 F2 90 0C
15	D33C CO 87 CCE8
16	D340 3C 02 D73D D344 CO 87 CB72
17	D348 CO 87 C8C8
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D29

97	V09/11/81	12/05/81	12:00
*****	07850000		
*	07860000		
*	07870000		
*	07880000		
*****	07890000		
	07910000		
	07920000		
	07940000		
	07950000		
	07970000		
	07980000		
	08000000		
	08010000		
	08030000		
	08050000		
	08053000		
	08056000		
	08070000		

\$HELP SYSTEM/34 HELP UTILITY		PAGE 98		V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	CC47 BD F5 26	4211	HE002050	CLI	\$WSAIDC, XR2), \$AIDRLUP	ROLL UP KEY PRESSED ?
	CC4A F2 01 1E	4212	JNE	HE002060		NO - CONTINUE
03	CC4D 38 02 D781	4214	TBN	HESWITCH, HE960SCR		WS HAVE A 960 SCREEN ?
	CC51 F2 90 0F	4215	JF	HE002055		NO - CONTINUE
04	CC54 38 40 D734	4217	TBN	HETBLSAV+HECONTRL, HESPLIT THIS A SPLIT SCREEN FORMAT ?		
	CC58 F2 90 08	4218	JF	HE002055		NO - CONTINUE
05	CC58 38 08 D781	4220	TBN	HESWITCH, HESPLIT2		2ND HALF OF SPLIT SCREEN ?
	CC5F C0 90 CA57	4221	BF	HE001100		NO - SHOW 2ND HALF
06	CC63 3C 80 D73C	4223	HE002055	MVI	HESEARCH, HESRCHFW	SET FOR FORWARD SEARCH
07	CC67 C0 87 CB76	4225	B	HE002010		FIND AND DISPLAY NEXT FORMAT
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01	\$HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE
03	CC68 BD F4 26 CC6E F2 01 22
04	CC71 38 02 D781 CC75 F2 90 13
05	CC78 3A 04 D781 CC7C 38 40 D734 CC80 F2 90 08
06	CC83 38 08 D781 CC87 C0 10 CA57
07	CC88 3C 40 D73C CC8F C0 87 CB76
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61	V09/11/81	12/05/81	12:00
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 62		V09/11/81	12/05/81	12:00
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		2751	*	*****		
		2752	*			
03		2753	*	TERMINAL UNIT BLOCK FOR PRINTERS		
		2754	*			

01	\$HELP SYSTEM/34 HELP UTILITY
02	ERR LOC OBJECT CODE
03	

14	D339 F2 90 0C	5440	JF	HE004299	NO - CONTINUE	19580000	14	D36A C0 87 C872
15	D33C C0 87 CCE8	5442	B	HE002100	SAVE PARAMETERS IN THE PPSA	19600000	15	D36E 8D 07 07 D89 D373 F2 81 09
16	D340 3C 02 D73D D344 C0 87 CB72	5444 5445	MVI B	HESRCHDP,TWD HE002000	MOVE 2 TO DISPLACEMENT COUNTER LOOK UP AND DISPLAY FORMAT	19620000 19630000	16	D376 AC 4F 57 4F D37A 8C 07 07 D78
17	D348 C0 87 C8C8	5447	HE004299 B	HE000200	RETURN TO MAINLINE	19650000	17	D37F C0 87 C8C8
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PAGE 98 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 99 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HEL
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE
08090000 08100000	02 CC68 BD F4 26 4227 HE002060 CLI \$WSAIDC,XR2),SAIDRLON ROLL DOWN KEY PRESSED ? CC6E F2 01 22 4228 JNE HE002070 NO - CONTINUE	08250000 08260000	02 CC93 B5 02 21
08120000 08130000	03 CC71 38 02 D781 4230 TBN HESWITCH,HE960SCR WS HAVE A 960 SCREEN ? CC75 F2 90 13 4231 JF HE002065 NO - CONTINUE	08280000 08290000	03 CC96 38 20 D734 CC9A C0 10 CBDC
08150000 08160000	04 CC78 3A 04 D781 4233 SBN HESWITCH,HERDN960 SET FOR 960 ROLL DOWN	08303000	04 CC9E C0 87 D06D
08180000 08190000	05 CC7C 38 40 D734 4235 TBN HETBLSAV+HECONTRL,HESPLIT THIS A SPLIT SCREEN FORMAT ? CC80 F2 90 08 4236 JF HE002065 NO - CONTINUE	08310000 08320000	05 CCA7 BD 40 00 CCAD F2 01 08
08210000	06 CC83 38 08 D781 4238 TBN HESWITCH,HESPLITZ 2ND HALF OF SPLIT SCREEN ? CC87 C0 10 CA57 4239 BT HE001100 YES - SHOW 1ST HALF	08340000 08350000	06 CCAB 38 80 D735 CCAC C0 10 CBDC
08230000	07 CC8B 3C 40 D73C 4241 HE002065 MVI HESEARCH,HESRCHBW SET FOR SEARCH BACKWARD	08370000	07 CCBO C0 87 CAED
	08 CC8F C0 87 CB76 4243 B HE002010 FIND AND DISPLAY NEXT FORMAT	08390000	08 CCBA C2 01 D734 CCBB 78 80 01 CCBB F2 10 20
			09 CCBE 78 80 00 CCC1 F2 90 1A
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PAGE 62 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 33 V09/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE
***** * * *	02 2781 ***** 2782 * TERMINAL UNIT BLOCK (TUB) * 2783 *****		02
			03

19580000	
PPSA	19600000
COUNTER	19620000
FORMAT	19630000
	19650000

14	D36A CO 87 CB72	5481	B	HE002000	LOOK UP AND DISPLAY FORMAT	19990000
15	D36E 8D 07 07 D894 D373 F2 81 09	5483 5484	CLC JE	HEPARM1+7(8,XR2),HEL HE004399	LIBR 1ST PARAMETER 'LIBR' ? YES - CONTINUE	20010000 20020000
16	D376 AC 4F 57 4F D37A 8C 07 07 D7B1	5486 5487	MVC MVC	87(80,XR2),79(,XR2) 7(8,XR2),HECBLANK	PUSH PARAMETER BLANK OUT 1ST PARAMETER	20040000 20050000
17	D37F CO 87 C8C8	5489	HE004399 B	HE000200	RETURN TO MAINLINE	20070000
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D3A2 CO 87 CCE8
D3A6 3C 01 D73D
D3AA CO 87 CB72
D3AE C2 01 D9E6 D3B2 CO 87 CD41
D3B6 CO 87 C8C8

D31

GE 99	V09/11/81	12/05/81	12:00
?	08250000		
	08260000		
	08280000		
	08290000		
	08303000		
FORMAT ?	08310000		
	08320000		
EN ?	08340000		
	08350000		
	08370000		
FORMAT	08390000		

\$HELP SYSTEM/34 HELP UTILITY		PAGE 100 V09/11/81 12/05/81 12:00				
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	CC93 B5 02 21	4245 HE002070 L	\$WSRECA(,XR2),XR2 XR2 --> WORKSTATION BUFFER 08410000			
03	CC96 38 20 D734 CC9A CO 10 CBDC	4247 4248	TBN BT	HETBLSAV+HECONTRL,HENTEXEC THIS FORMAT EXECUTABLE ? HE002030 NO - RE-INVITE	08430000 08440000	
04	CC9E CO 87 D06D	4250	B	HE002900	LEFT JUSTIFY DATA IN WS BUFFER 08460000	
05	CC9F BD 40 00 CC9D F2 01 08	4252 4253	CLI JNE	OK,XR2),BLANK HE002075	1ST PARAMETER BLANK ? NO - CONTINUE	08480000 08490000
06	CCAB 38 80 D735 CCAC CO 10 CBDC	4255 4256	TBN BT	HETBLSAV+HETYPE,HESH HE002030	THIS A PRIVILEGED FORMAT ? YES - RE-INVITE	08510000 08520000
07	CCB0 CO 87 CAED	4258	HE002075 B	HE001200	CHECK MANDATORY FIELDS 08540000	
08	CCB4 C2 01 D734	4260	LA	HETBLSAV,XR1	XR1 --> TABLE SAVE AREA 08560000	
09	CCBB 78 80 01 CCBB F2 10 20	4262 4263	TBN JT	HETYPE(,XR1),HESH HE002090	THIS FORMAT PRIVILEGED ? YES - CONTINUE	08580000 08590000
10	CCBE 78 80 00 CCC1 F2 90 1A	4265 4266	TBN JF	HECONTR(,XR1),HEPRIME HE002090	THIS A PRIME FORMAT ? NO - CONTINUE	08610000 08620000
11	CCC4 OC 01 CCE7 D770	4268	MVC	HE002099+3(2),HERETURN	SET TO RETURN TO MAINLINE 08640000	
12	CCCA 7D 00 04 CCCD F2 81 0E	4270 4271	CLI JE	HESUBR(,XR1),ZERO HE002090	ANY SUBROUTINE ADDRESS ? NO - CONTINUE	08660000 08670000
13	CCDO 1C 00 CCDD 04	4273	MVC	HE002080+4(1),HESUBR(,XR1)	SET SUBR @ TABLE DISP 08690000	
14	CCD5 C2 01 DA31 CCD9 1C 01 CCE7 00	4275 4276	LA MVC	HESBRTBL,XR1 HE002080 MVC HE002099+3(2),*(,XR1)	XR1 --> SUBR ADDRESS TABLE SET TO RETURN TO SUBROUTINE	08710000 08720000
15	CCDE OC 01 D74E CCE7	4278	HE002090 MVC	HELSTRN(2),HE002099+3	SAVE THIS RETURN ADDRESS 08740000	
16	CCE4 CO 87 0000	4280	HE002099 B	#	RETURN 08760000	
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 100 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
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08			CCE8 34 08 CD40
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11			CCEC 3D 00 D741 CCFO F2 01 0F
12			CCF3 3C 02 D741 CCF7 35 01 D758 CCFB D2 01 30
13			CCFE 34 01 D754 CD02 35 01 D754 CD06 C2 02 ECF0
14			CD0A 3D 08 D741 CD0E F2 84 28
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C31

GE 03	V09/11/81	12/05/81	12:00

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\$HELP SYSTEM/34 HELP UTILITY		PAGE 64 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		00C3 2834 TUB\$CNCL EQU X'C3'	. CANCEL INVITE OPERATION
		00B0 2835 TUB\$EXEC EQU X'80'	. REMOTE EXEC I/O OPERATION CODE
03		0081 2836 TUB\$POLL EQU X'81'	. REMOTE INVITE OPERATION
		0082 2837 TUB\$CNCL EQU X'82'	. REMOTE CANCEL INVITE OPERATION

\$HELP SYSTEM/34 HELP UTILITY		PAGE 64 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
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19990000
20010000
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20040000
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20070000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	20390000
14	D3A2 C0 87 CCE8	5523	B	HE002100 SAVE PARAMETERS IN PPSA	20410000
15	D3A6 3C 01 D73D	5525	MVI	HESRCHDP, ONE MOVE 1 TO DISPLACEMENT COUNTER	20430000
16	D3AA C0 87 CB72	5527	B	HE002000 LOOK UP AND DISPLAY FORMAT	20450000
17	D3AE C2 01 D9E6 D3B2 C0 87 CD41	5529 5530	LA B	HESWTBL, XR1 HE002200 XR1 --> SWITCH- KEYWORD TABLE PROCESS KEYWORD PARAMETERS	20470000 20480000
18	D3B6 C0 87 C8C8	5532	HE004499 B	HE000200 RETURN TO MAINLINE	20500000

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V09/11/81 12/05/81 12:00
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	08780000
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 101 V09/11/81 12/05/81 12:00				
02	08410000	C2	4282	START OF SPECIFICATIONS *****	08780000
03	08430000 08440000	03	4283	*/	08790000
04	08460000	04	4284	ROUTINE NAME = HE002100	08800000
05	08480000 08490000	05	4285	*/	08810000
06	08510000 08520000	06	4286	STATUS = RELEASE 3	08820000
07	08540000	07	4287	*/	08830000
08	08560000	08	4288	FUNCTION = MOVE PARAMETERS TO NEXT PPSA LOCATION	08840000
09	08580000 08590000	09	4289	*/	08850000
10	08610000 08620000	10	4290	INPUT = HEPRMTR CONTAINS THE ADDRESS OF THE NEXT LOCATION	08860000
11	08640000	11	4291	IN THE PPSA	08870000
12	08660000 08670000	12	4292	*/	08880000
13	08690000	13	4293	OUTPUT = PARAMETERS AREA SAVED IN THE PPSA	08890000
14	08710000 08720000	14	4294	*/	08900000
15	08740000	15	4295	EXITS = RETURN TO MAINLINE	08910000
16	08760000	16	4296	*/	08920000
17		17	4297	CHANGE ACTIVITY = 04/10/78 NJB	08930000
18		18	4298	*/	08940000
19		19	4299	END OF SPECIFICATIONS *****	08950000
20		20	CCE8 34 08 CD40	4301 HE002100 ST HE002199+3,ARR SAVE RETURN ADDRESS	08970000
			4303	*****	08990000
			4304	*	09000000
			4305	IF PARAMETER COUNTER IS ZERO RESET POINTERS TO PPSA.	09010000
			4306	*	09020000
			4307	*****	09030000
			CCEC 3D 00 D741	4309 CLI HEPRMCTR, ZERO PARAMETER COUNTER = 0 ?	09050000
			CCFO F2 01 0F	4310 JNE HE002110 NO - CONTINUE	09060000
			CCF3 3C 02 D741	4312 MVI HEPRMCTR, TWO SET PARAMETER COUNTER TO TWO	09080000
			CCF7 35 01 D758	4313 L HEPPSAB, XR1 XR1 --> CURRENT PPSA	09090000
			CCFB D2 01 30	4314 LA PPSVAR02-7(, XR1), XR1 XR1 --> 2ND PARAMETER	09100000
			CCFE 34 01 D754	4316 ST HEPRMPTR, XR1 SAVE POINTER	09120000
			CD02 35 01 D754	4318 HE002110 L HEPRMPTR, XR1 XR1 --> a OF NEXT PARAMETER	09140000
			CD06 C2 02 ECFO	4319 LA HEWSBUFF, XR2 XR2 --> WS BUFFER	09150000
			CD0A 3D 08 D741	4321 HE002120 CLI HEPRMCTR, ELEVEN PARAMETER COUNTER > 11 ?	09170000
			CD0E F2 84 28	4322 JH HE002140 YES - EXIT	09180000

\$HELP SYSTEM/34 HELP UTILITY
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09/11/81 12/05/81 12:00

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	0006 29
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 65 V09/11/81 12/05/81 12:00				
02		02	2888	EQU X'20' . UNIT NOT AVAILABLE (PRINTER ONLY)	0006 29
			2889	EQU X'10' . OUTSTANDING STATUS	0007 29
			2890	EXCEPTION STATUS EQUATES START	29

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR S
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20480000
20500000

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D3E4 3C 02 D730 5590
D3E8 C0 87 CB72 5591
D3EC AC 47 57 47 5593
D3F0 8C 07 0F D781 5594
D3F5 AC 07 07 0F 5595
D3F9 C0 87 C8C8 5597

1/81 12/05/81 12:00
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 102 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		4324	*****
		4325 *	*
03		4326 *	IF FIELD DOES NOT BEGIN WITH A X'00', MOVE IT TO THE
		4327 *	NEXT POSITION IN THE PPSA. ELSE EXIT.
		4328 *	*
		4329	*****
04	CD11 BD 00 00	4331	CLI 0C, XR2), ZERO PARAMETER = ZERO ?
	CD14 F2 81 22	4332	JE HE002140 YES - EXIT
06	CD17 6C 07 07	4334	MVC 7(8, XR1), 7(, XR2) MOVE PARAMETER TO NEXT PPSA LOC
	CD18 7D 40 00	4336	CLI 0C, XR1), BLANK IS FIELD BLANK ?
	CD1E F2 01 04	4337	JNE HE002130 NO - CONTINUE
08	CD21 5F 07 07	4339	SLC 7(8, XR1), 7(, XR1) CLEAR PPSA FIELD
	CD25 D2 01 08	4341	HE002130 LA 8(, XR1), XR1 XR1 --> NEXT PPSA LOCATION
	CD28 34 01 D754	4342	ST HEPRMPTR, XR1 SAVE NEXT LOCATION
10	CD2C E2 02 08	4344	LA 8(, XR2), XR2 XR2 --> NEXT WS BUFFER FIELD
	CD2F 0E 00 D741 D7A7	4346	ALC HEPRMCTR(1), HECONC ADD 1 TO PARAMETER COUNTER
	CD35 C0 87 CDOA	4348	B HE002120 MOVE NEXT FIELD
12	CD39 C2 02 ECFO	4350	HE002140 LA HEWSBUFF, XR2 XR2 --> WS BUFFER
	CD3D C0 87 0000	4352	HE002199 B # RETURN TO CALLER

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR STMT
02 4354
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04 4360
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06 4366
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07 4369
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08 4372
09 CD41 34 08 CD99 4374
CD45 34 01 D756 4376
10 CD49 7D FF 00 4378
CD4C F2 81 47 4379
11 CD4F BD 00 00 4381
CD52 F2 81 41 4382
12 CD55 BD 40 00 4384
CD58 F2 81 25 4385
14 CD58 1C 07 D789 07 4387
CD60 C2 01 D782 4388
15 CD64 7D 60 00 4390
CD67 F2 81 07 4391
16 CD6A D2 01 01 4393
CD6D C0 87 CD64 4394
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 66 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		0006 2942	TUB\$RDUK EQU X'06' . READ ISSUED TO UNLOCKED KEYBOARD ERROR
		0007 2943	TUB\$POFF EQU X'07' . WS IS POWERED OFF
		2944 *	EQU X'08' . RESERVED
		2945 *	EQU X'09' . RESERVED

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR STMT S
02 OC:18 2997 T

14	D3E4 3C 02 D73D	5590	HE004610	MVI	HESRCHDP,TWD	MOVE 2 TO DISPLACEMENT COUNTER	21053000
	D3E8 C0 87 CB72	5591	B	HE002000		LOOK UP AND DISPLAY FORMAT	21054000
15							
16	D3EC AC 47 57 47	5593	MVC	HEPARM11+7(72,XR2),HEPARM9+7(,XR2)		PUSH PARAMETER	21056000
	D3F0 8C 07 0F D7B1	5594	MVC	HEPARM2+7(8,XR2),HECBLANK		BLANK OUT 2ND PARAMETER	21057000
	D3F5 AC 07 07 0F	5595	MVC	HEPARM1+7(8,XR2),HEPARM2+7(,XR2)		BLANK OUT 1ST PARAMETER	21058000
17	D3F9 C0 87 C8C8	5597	HE004699	B	HE000200	RETURN TO MAINLINE	21060000
18							
19							
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D34

01	09200000	09210000	09220000	09230000	09240000	09250000	09270000	09280000	09300000	09320000	09330000	09350000	09370000	09380000	09400000	09420000	09440000	09460000	09480000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 103 W09/11/81 12/05/81 12:00		
02					4354 */* START OF SPECIFICATIONS *****/	09500000		
					4355 */* */	09510000		
					4356 */* ROUTINE NAME = HE002200	09520000		
03					4357 */* */	09530000		
					4358 */* STATUS = RELEASE 3	09540000		
					4359 */* */	09550000		
04					4360 */* FUNCTION = PROCESS KEYWORD PARAMETERS	09560000		
					4361 */* */	09570000		
					4362 */* INPUT = XR1 CONTAINS THE ADDRESS OF THE KEYWORD TABLE	09580000		
05					4363 */* XR2 POINTS TO THE WORK STATION BUFFER.	09590000		
					4364 */* */	09600000		
					4365 */* OUTPUT = REQUIRED KEYWORD PARAMETERS ARE MOVED TO THE WORK	09610000		
06					4366 */* STATION BUFFER	09620000		
					4367 */* */	09630000		
					4368 */* EXITS = RETURN TO MAINLINE	09640000		
					4369 */* */	09650000		
07					4370 */* CHANGE ACTIVITY = 04/10/78 NJB	09660000		
					4371 */* */	09670000		
08					4372 */* END OF SPECIFICATIONS *****/	09680000		
	CD41 34 08 CD99	4374	HE002200	ST	HE002299+3,ARR	SAVE RETURN ADDRESS	09700000	
09					CD45 34 01 D756	4376 HE002210 ST HETBLPTR,XR1	SAVE TABLE POINTER	09720000
					CD49 7D FF 00	4378 CLI 0(X,XR1),HECCKFOX	END OF TABLE ?	09740000
					CD4C F2 81 47	4379 JE HE002299	YES - CONTINUE	09750000
					CD4F 8D 00 0C	4381 CLI 0(X,XR2),ZERO	DOES FIELD BEGIN WITH A ZERO ?	09770000
12					CD52 F2 81 41	4382 JE HE002299	YES - CONTINUE	09780000
					CD55 8D 40 00	4384 CLI 0(X,XR2),BLANK	NULL PARAMETER ?	09800000
13					CD58 F2 81 25	4385 JE HE002240	YES - CONTINUE	09810000
					CD5B 1C 07 D789 07	4387 MVC HEWORK+7(8),7(XR1)	MOVE KEYWORD TO WORK AREA	09830000
					CD60 C2 01 D782	4388 LA HEWORK,XR1	XR1 --> WORK AREA	09840000
					CD64 7D 60 00	4390 HE002220 CLI 0(X,XR1),HECDASH	THIS A DASH ? *	09860000
					CD67 F2 81 07	4391 JE HE002230	YES - CONTINUE	09870000
16					CD6A D2 01 01	4393 LA 1(XR1),XR1	XR1 --> NEXT CHAR IN KEYWORD	09890000
					CD6D C0 87 CD64	4394 B HE002220	CHECK THIS CHARACTER	09900000

C34

01	09200000	09210000	09220000	09230000	09240000	09250000	09270000	09280000	09300000	09320000	09330000	09350000	09370000	09380000	09400000	09420000	09440000	09460000	09480000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 67 W09/11/81 12/05/81 12:00
02					OC1B 2997 TUBOPTS EQU TUBMIC+1	ERP MESSAGE OPTIONS
03					2998 *	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 103 W09/11/81 12/05/81 12:00
02					CD71 6C 07 08 07	4396 H
					CD75 8C 07 07 D789	4398
03					CD7A E2 02 08	4400
					CD7D F2 87 08	4401
04					CD80 3B 01 D781	4403 H
					CD84 E2 01 00	4404
05					CD87 C0 87 CE9C	4405
					CD8B 35 01 D756	4407 H
06					CD8F D2 01 08	4408
					CD92 C0 87 CD45	4409
07					CD96 C0 87 0000	4411 H

02						3046 *
						3047 *
03						3048 *

21053000	14
21054000	15
21056000	16
21057000	16
21058000	16
21060000	17
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0430 F2 01 06	14
0440 BC 08 00	15
0440 E2 02 01	15
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D35

1/81 12/05/81 12:00	01
09500000	02
09510000	02
09520000	02
09530000	03
09540000	03
09550000	03
09560000	04
09570000	04
09580000	05
09590000	05
09600000	05
09610000	06
09620000	06
09630000	06
09640000	07
09650000	07
09660000	07
09670000	08
09680000	08
09700000	09
09720000	09
09740000	10
09750000	10
09770000	11
09780000	11
09800000	13
09810000	13
09830000	14
09840000	14
09860000	15
09870000	15
09890000	16
09900000	17
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	CD71 6C 07 08 07	4396	HE002230	MVC 8(C,XR1),7(C,XR2)	MOVE PARAMETER AFTER DASH 09920000
03	LD75 8C 07 07 D789	4398	MVC	7(C,XR2),HEWORK+7	MOVE PARAMETER BACK TO BUFFER 09940000
04	CD7A E2 02 08	4400	LA	8(C,XR2),XR2	XR2 ---> NEXT PARAMETER IN BUFFER 09960000
04	CD7D F2 87 08	4401	J	HE002250	CONTINUE 09970000
05	CD8D 38 01 D781	4403	HE002240	SBF HESWITCH,HE11PARAM	RESET NULL PARAM INDICATOR 09985000
05	CD84 E2 01 00	4404	LA	0(C,XR2),XR1	XR1 ---> NULL PARAM IN BUFFER 09990000
05	CD87 C0 87 CE9C	4405	B	HE002500	PULL PARAMETERS 10000000
06	CD88 35 01 D756	4407	HE002250	L HETBLPTR,XR1	XR1 ---> KEYWORD TABLE 10020000
07	CD8F D2 01 08	4408	LA	8(C,XR1),XR1	XR1 ---> NEXT TABLE ENTRY 10030000
07	CD92 C0 87 CD45	4409	B	HE002210	PROCESS NEXT FIELD 10040000
08	CD96 C0 87 0000	4411	HE002299	B #	RETURN TO CALLER 10060000

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02					0411
03					0411
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06					0421
07					0421
08	CD9A C2 02 07C9				0431
09	CD9E 38 F0 D735				0431
10	CD92 8D FF 00				0431
10	CD95 F2 01 11				0431
11					0431
12					0442
13	CD98 35 01 079C				0444
13	CD9C 1C 00 0735 01				0445
14	CD91 C2 01 2004				0447
14	CD95 C0 87 0900				0448
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C35

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	3046 *			TERMINAL MODE INDICATORS	*
02	3047 *			*****	*
03	3048 *			1XXX - STANDBY MODE	*
03	3049 *			0000 - INITIAL MODE	*
03				000Y - CONSOLE MODE	*
03				0101 - DATA MODE	*

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02					0080 3100
02					0040 3101
03					0020 3102
03					0010 3103

14	D43D F2 81 06	5664	JE	HE004820	YES - CONTINUE	21730000
15	D440 BC 68 00 D443 E2 02 01	5666 5667	MVI LA	OC, XR2), HECDMPA 1C, XR2), XR2	MOVE COMMA TO WORK STATION BUFF XR2 --> NEXT PARAMETER IN BUFFER	21730000 21740000
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D36

04	V09/11/81 12/05/81 12:00					
01				\$HELP SYSTEM/34 HELP UTILITY		PAGE 105 V09/11/81 12/05/81 12:00
				ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	09920000			4413 */* START OF SPECIFICATIONS ***** /		10080000
				4414 */* */		10090000
03	09940000			4415 */* ROUTINE NAME = HE002300		10100000
				4416 */* */		10110000
	09960000			4417 */* STATUS = RELEASE 3		10120000
	09970000			4418 */* */		10130000
04				4419 */* FUNCTION = DISPLAY LISTS		10140000
				4420 */* */		10150000
	09985000			4421 */* INPUT = NUMBER ENTERED IS IN WORK STATION BUFFER		10160000
	09990000			4422 */* */		10170000
	10000000			4423 */* OUTPUT = SPECIFIED LIST IS DISPLAYED		10180000
				4424 */* */		10190000
06	10020000			4425 */* EXITS = HE004900		10200000
	10030000			4426 */* */		10210000
	10040000			4427 */* CHANGE ACTIVITY = 07/12/78 RSH		10220000
07				4428 */* */		10230000
				4429 */* END OF SPECIFICATIONS ***** /		10240000
08	10060000	CD9A C2 02 D7C9	4431	HE002300 LA	!*LISTBL, XR2 XR2 --> LIST TABLE	10260000
		CD9E 3B F0 D735	4433	SBF	HETBLSAV+HETYPE, X'F0' RESET TYPE CODE	10280000
09		CD92 BD FF 00	4435	HE002310 CLI	OC, XR2), *-CXFOK END OF TABLE ?	10300000
10		CD95 F2 01 11	4436	JNE	HE002315 NO - CONTINUE	10310000
				4438 *****		10330000
11				4439 *		10340000
				4440 * ERROR - INVALID NUMBER SPECIFIED--ENTER VALID NUMBER		10350000
				4441 *		10360000
12				4442 *****		10370000
13		CD98 35 01 D75C	4444	L	HETABLER, XR1 XR1 --> CURRENT TABLE ENTRY	10390000
		CD9C 1C 00 D735 01	4445	MVC	HETBLSAV+HETYPE(1), HETYPE(, XR1) RESTORE TYPE CODE	10400000
14		CD91 C2 01 2004	4447	LA	HETC2004, XR1 XR1 --> PIC 2004	10420000
		CD95 C0 87 D500	4448	B	HE009000 CALL THE ERROR ROUTINE	10430000
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C36

03	V09/11/81 12/05/81 12:00					
01				\$HELP SYSTEM/34 HELP UTILITY		PAGE 69 V09/11/81 12/05/81 12:00
				ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02				0080 3100 TUBUSUP EQU X'80'	. USER DISPLAY IS UP	
				0040 3101 TUBUSSV EQU X'40'	. USER DISPLAY SAVED	
				0020 3102 TUBSYLST EQU X'20'	. SYSLIST DISPLAY 'UP	
03				0010 3103 TUBROCE EQU X'10'	BROADCAST FAILURE	

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6	D4BC 8D 07 07 0000	5739 HEC9
7	D4C1 F2 81 07	5740
8	D4C4 D2 01 05	5742 HEC0
9	D4C7 C0 87 D49E	5743
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E01

\$HELP SYSTEM/34 HELP UTILITY						PAGE 106 W09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02	CDB9 2D 00 D735 00	4450	HE002315	CLC	HETBLSAV+HETYPE(1),0C,XR2)	CORRECT TABLE ENTRY ?	10450000
	CDBE F2 81 07	4451		JE	HE002320	YES - CONTINUE	10460000
03	CDC1 E2 02 03	4453		LA	3C,XR2),XR2	XR2 --> NEXT TABLE ENTRY	10480000
	CDC4 C0 87 CDA2	4454		B	HE002310	CHECK NEXT ENTRY	10490000
05	CDC8 B5 02 02	4456	HE002320	L	2C,XR2),XR2	XR2 --> ADDRESS OF LIST NAME	10510000
	CDCB 2C 07 D778 00	4458		MVC	HEFORMAT(8),0C,XR2)	SAVE LIST FORMAT NAME	10530000
	CDD0 3A 20 D73C	4459		SBN	HESEARCH,HESEARCHM	SEARCH BY NAME & NOT TYPE	10540000
06	CDD4 C0 87 CB72	4461		B	HE002000	LOOK UP AND DISPLAY FORMAT	10560000
07	CDD8 C0 87 D48F	4463		B	HE004900	CHECK FOR NAME CONVERSION	10580000
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\$HELP SYSTEM/34 HELP UTILITY		
ERR LOC	OBJECT CODE	ADDR
02		4465 n/n
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		4467 n/n
03		4468 n/n
		4469 n/n
		4470 n/n
04		4471 n/n
		4472 n/n
		4473 n/n
05		4474 n/n
		4475 n/n
		4476 n/n
06		4477 n/n
		4478 n/n
		4479 n/n
07		4480 n/n
		4481 n/n
08	CDDC 3C 09 D73F	4483 HE00
	CDE0 3C FF EDF0	4484
09	CDE4 35 02 D74A	4486
10	CDEB B8 20 58	4488
	CDEB F2 90 08	4489
11	CDEE C2 02 0006	4491
	CDF2 34 02 CDF9	4492
12	CDFA 0E 01 CDF9 D7A9	4495
13	CE00 8D 01 01	4497
	CE03 F2 04 68	4498
14	CE06 C2 01 D6F8	4500
15	CE0A 6C 02 18 00	4502
16	CE0E F4 01 40	4504
17	CE11 75 01 07	4506
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D01

\$HELP SYSTEM/34 HELP UTILITY						PAGE 70 W09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02	004A 3154 TUBRFSS	EQU	TUBATTR9+2		REJECT FILE - SS		
	004B 3155 TUBRFN	EQU	TUBRFSS+1		REJECT FILE - NUMBER SECTORS		
	004C 3156 TUBRFCS	EQU	TUBRFN+1		REJECT FILE - CURRENT SECTOR		
03	004D 3157 TUBRFDSP	EQU	TUBRFCS+1		REJECT FILE - RELATIVE DISPLACEMENT		
	3158 *						
04	004E 3159 TUBCMK1	EQU	TUBRFDSP+1		FIRST COMMAND KEY MASK BYTE		
	0080 3160 TUBCMD8	EQU	X'80'		ENABLE COMMAND KEY 8		
	0040 3161 TUBCMD7	EQU	X'40'		ENABLE COMMAND KEY 7		
	0020 3162 TUBCMD6	EQU	X'20'		ENABLE COMMAND KEY 6		
05	0010 3163 TUBCMD5	EQU	X'10'		ENABLE COMMAND KEY 5		
	0008 3164 TUBCMD4	EQU	X'08'		ENABLE COMMAND KEY 4		

\$HELP SYSTEM/34 HELP UTILITY		
ERR LOC	OBJECT CODE	ADDR
02	0004 320C	TUBR
	0002 3209	TUBR
	0001 3210	TUBR
03	0055 3211	TUBR
	0057 3212	TUBR
04	0058 3214	TUBA
05	0080 3216	TUBK
	0040 3217	TUBK
	0020 3218	TUBK

7	D4BC 8D 07 07 0000	5739	HE004930	CLC	7(8, XR2), #	CORRECT ENTRY ?	22350000
	D4C1 F2 81 07	5740	JE	HE004950		YES - CONTINUE	22360000
8	D4C4 D2 01 05	5742	HE004940	LA	5(, XR1), XR1	XR1 --> NEXT TABLE ENTRY	22380000
	D4C7 C0 87 D49E	5743	B	HE004910		CHECK NEXT ENTRY	22390000
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E02

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
10450000	4465	*/	START	SPECIFICATIONS	*****	10600000
10460000	4466	*/				10610000
	4467	*/	ROUTINE NAME =	HE002400		10620000
	4468	*/				10630000
10480000	4469	*/	STATUS =	RELEASE 3		10640000
10490000	4470	*/				10650000
	4471	*/	FUNCTION =	OPEN FORMAT MEMBERS		10660000
	4472	*/				10670000
10510000	4473	*/	INPUT =	FORMAT MEMBER INDEX ON DISK		10680000
	4474	*/				10690000
10530000	4475	*/	OUTPUT =	ALL FORMAT MEMBERS ARE OPENED		10700000
10540000	4476	*/				10710000
	4477	*/	EXITS =	RETURN TO CALLER		10720000
10560000	4478	*/				10730000
	4479	*/	CHANGE ACTIVITY =	06/17/78 RSH		10740000
	4480	*/				10750000
10580000	4481	*/	END OF SPECIFICATIONS	*****		10760000
	4483	HE002400	MVI	HEMEMCTR, HE#M#BR	INIT MEMBER COUNTER	10780000
	4484	MVI	HEIOBUFF+512, HECKFOX		MOVE X'FF' TO END OF IOB BUFFER	10790000
	4486	L	HETUBa, XR2		XR2 --> TUB ADDRESS	10801000
	4488	TBN	TUBATTRB(, XR2), TUBKANJ		THIS A KANJI SESSION ?	10803000
	4489	JF	HE002410		NO - CONTINUE	10804000
	4491	LA	HE#BH, XR2		XR2 --> KANJI OXREF TABLE	10806000
	4492	ST	HE002410+3, XR2		SAVE POINTER	10807000
	4494	HE002410	LA	HE#FH, XR2	XR2 --> NEXT OXREF ENTRY	10810000
	4495	ALC	HE002410+3(2), HECKX09		INCREMENT TO NEXT OXREF ENTRY	10820000
	4497	CLI	1(, XR2), ONE		THIS A GOOD OXREF ENTRY ?	10840000
	4498	JNH	HE002460		NO - ISSUE ERROR MESSAGE	10850000
	4500	LA	HEIOB, XR1		XR1 --> IOB	10870000
	4502	MVC	\$IOBSS(3, XR1), 0(, XR2)		MOVE FORMAT a TO IOB	10890000
	4504	SVC	SVCFD, QWAIT			10910000
	4506	L	\$IOBDDAT(, XR1), XR1		XR1 --> IOB BUFFER	10930000

D02

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
	0004	3208	TUBKOUT	EQU	X'04'	. ENTER HAS BEEN PRESSED AT THE SUBCNLS
	0002	3209	TUBNDSUB	EQU	X'02'	. ASSIGN NDSUB ACTIVE ON THIS DEVICE
	0001	3210	TUBRPMOD	EQU	X'01'	. PERFORM READ MODIFIED
	0055	3211	TUBMSGID	EQU	TUBATTR+1	NEXT REPLY ID TO USE AT SUBCONSOLE
	0057	3212	TUBDMATX	EQU	TUBMSGID+2	ADDRESS OF SUBCONSOLE MATRIX
	0058	3214	TUBATTRB	EQU	TUBDMATX+1	ATTRIBUTE BYTE 11
	0080	3216	TUBKDPLY	EQU	X'80'	. IGC CAPABLE DISPLAY
	0040	3217	TUBKKB	EQU	X'40'	. IGC CAPABLE KEYBOARD
	0020	3218	TUBKANJ	EQU	X'20'	. THIS SESSION IN IGC MODE

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17	22360000
18	22380000
19	22390000
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16	D500 F2 87 07	5793
17	D510 90 00 00 01	5795
18	D514 F2 04 08	5796
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E03

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10600000	
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10790000	
10801000	
10803000	
10804000	
10806000	
10807000	
10810000	
10820000	
10840000	
10850000	
10870000	
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10910000	
10930000	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 108 V09/11/81 12/05/81 12:00					
02	CE14 38 40 D781	4508	HE002420	TBN	HESWITCH,HENDTBL	END OF FORMAT TABLE ?
	CE18 F2 10 56	4509	JT	HE002460		YES - ISSUE ERROR MESSAGE
03	CE18 C2 02 D838	4511	HE002430	LA	HEFMTBL,XR2	XR2 --> NEXT FORMAT TABLE ENTRY
	CE1F 34 02 D762	4512	ST	HETBLEND,XR2		SAVE TABLE END ADDRESS
04	CE23 0E 01 CE1E D76C	4514	ALC	HE002430+3(C2),HECTBLEND		INCREMENT TO NEXT TABLE ENTRY
05	CE29 BD FF 08	4516	CLI	HETBLENK,XR2),HECXFOX		IS THIS THE LAST TABLE ENTRY ?
	CE2C F2 01 04	4517	JNE	HE002440		NO - CONTINUE
06	CE2F 3A 40 D781	4519	SBN	HESWITCH,HENDTBL		SET END OF TABLE SWITCH
07	CE33 C2 02 EDF8	4521	HE002440	LA	HEINDEX,XR2	XR2 --> NEXT FORMAT INDEX ENTRY
	CE37 34 02 D76A	4522	ST	HEFMTEND,XR2		SAVE FORMAT INDEX END ADDRESS
08	CE38 0E 01 CE36 D76E	4524	ALC	HE002440+3(C2),HECFMTLN		INCREMENT TO NEXT FORMAT INDEX
	CE41 9C 0F 0F 0F	4526	MVC	FMTRSVC(FMTLEN,XR2),FMTRSVC,XR1)		MOVE DATA TO INDEX
	CE45 8E 02 0A D710	4527	ALC	FMTS@3,XR2),HE10B+\$10BSS		ADD SS TO FORMAT DISPLACEMENT
09	CE4A 0E 00 D73E D7A7	4529	ALC	HEFMTCTR(1),HECONE		ADD 1 TO NUMBER OF FORMATS
10	CE50 7D FF 10	4531	CLI	FMTLEN,XR1),HECXFOX		LAST INDEX ENTRY IN BUFFER ?
	CE53 F2 81 07	4532	JE	HE002450		YES - CONTINUE
11	CE56 D2 01 10	4534	LA	FMTLEN,XR1),XR1		XR1 --> NEXT ENTRY IN BUFFER
12	CE59 C0 87 CE1	4536	B	HE002420		MOVE NEXT INDEX ENTRY
13						
14						
15						
16						
17						
18						
19						
20						

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 108 V09/11/81 12/05/81 12:00					
02	CE5D 0F 00 D73F D7A7	4538	M			
	CE63 C0 01 CDF6	4539				
03	CE67 BC 80 0F	4541				
04	CE6A 38 40 D781	4543				
	CE6E F2 10 05	4544				
05						4546 *
						4547 *
						4548 *
						4549 *
						4550 *
06						4552 *
						4553 M
	CE71 F4 00 22	4553	M			
	CE74 015F	CE75	4554			4555 **
07						4557 M
08	CE76 35 01 D748	4557	M			
	CE7A C2 02 EDF8	4558				
09	CE7E 4C 00 4E D73E	4560				
	CE83 74 02 50	4561				
10	CE86 35 01 D74A	4563				
	CE8A C2 02 D683	4564				
11	CE8E 9C 01 3A 20	4566				
12	CE92 BC 01 00	4568				
	CE95 BC 02 0E	4569				
13	CE98 C0 87 C874	4571				
14						
15						
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 72 V09/11/81 12/05/81 12:00						
02		3259 *	EQU	X'02'		. RESERVED	
		3260 *	EQU	X'01'		. RESERVED	
03	0030 3261	TUBPLEN	EQU	TUBDPRST+1		LENGTH OF A BASIC PRINTER TUB	
	3262	*****					
	3263 *	PRINTER TUB ADDITION				*	
	3264	*****					
04	0031 3265	TUBPSUBC	EQU	TUBPLEN+1		SUBCONSOLE LOGICAL ID	
	0033 3266	TUBPGTUB	EQU	TUBPSUBC+2		POINTER TO GAIJI TUB (PRINTERS)	
	3267 *	REFERENCE GEXTB MACRO FOR DESCRIPTION					
05	0034 3268	TUBPATR1	EQU	TUBPGTUB+1		PRINTER ATTRIBUTE BYTE ONE	
	0080 3269	TURKPNTB	EQU	X'80'		ICP CAPABLE PRINTER	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 72 V09/11/81 12/05/81 12:00					
02		3285 *				
		3286 *				
		3287 *				
03		3288 *				
	0001	3289	TU			
	0000	3290	TU			
	0002	3291	TU			
	0004	3292	TU			
	0000	3293	TU			
	0040	3294	TU			
	0000	3295	TU			

16	D50D F2 87 07	5793	J	HE005040	ISSUE ERROR MESSAGE	22890000	16
17	D510 9D 00 00 01	5795	HE005030	CLC	HEPARM1(1,XR2),1(,XR1)	NUMBER > MAXIMUM ?	22910000
18	D514 F2 04 08	5796	JNH	HE005050		NO CONTINUE	22920000
19							19
20							20

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\$HELP SYSTEM/34 HELP UTILITY		PAGE 109		V09/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC
02	CE5D OF 00 D73F D7A7	4538	HE002450	SLC	HEMEMCTR(1),HECONE	LAST FORMAT MEMBER ?	11290000
	CE63 CO 01 CDF6	4539		BNZ	HE002410	NO - PROCESS NEXT FORMAT MEMBER	11260000
03	CE67 BC 80 OF	4541		MVI	FMTRSV(,XR2),FMLST	SET FOR LAST FORMAT INDEX ENTRY	11280000
04	CE6A 38 40 D781	4543		TBN	HESWITCH,HENDTBL	END OF FORMAT TABLE ?	11300000
	CE6E F2 10 05	4544		JT	HE002470	YES - CONTINUE	11310000
05		4546			*****		11330000
		4547			*		11340000
06		4548			ERROR - FORMAT TABLE IN HELP MODULE IS INVALID	*	11350000
		4549			*		11360000
		4550			*****		11370000
07		4552	*E002460	ERR	MIC-0351	ISSUE ERROR MESSAGE	11390000
08	CE71 F4 00 22	4553	HE002460	SVC	X'22',0	DUMP STORAGE SVC	
	CE74 015F	CE75 4554		DC	AL2(0351)	MIC NUMBER IN HEX	
		4555	***		END OF EXPANSION **		
09	CE76 35 01 D748	4557	HE002470	L	HEJCB@,XR1	XR1 --> JCB	11410000
	CE7A C2 02 EDF8	4558		LA	HEINDEX,XR2	XR2 --> FORMAT INDEX @	11420000
10	CE7E 4C 00 4E D73E	4560		MVC	JCBDMFTF(1,XR1),HEFMTCTR	MOVE # OF FORMATS TO JCB	11440000
	CE83 74 02 50	4561		ST	JCBDFINR(,XR1),XR2	SAVE INDEX @ IN JCB	11450000
11	CE86 35 01 D74A	4563		L	HETUB@,XR1	XR1 --> TUB ADDRESS	11470000
	CE8A C2 02 D683	4564		LA	HEWSDTF,XR2	XR2 --> WORKSTATION DTF ADDRESS	11480000
12	CE8E 9C 01 3A 20	4566		MVC	\$WSNAME(2,XR2),TUBWSID(,XR1)	MOVE WSID TO DTF	11500000
13	CE92 BC 01 0D	4568		MVI	\$WSAT2(,XR2),X'01'	SET DTF OPENED	11520000
	CE95 BC 02 0E	4569		MVI	\$WSAT3(,XR2),X'02'	SET FOR RESIDENT DATA MGMT	11530000
14	CE98 CO 87 C874	4571		B	HE000135	RETURN TO MAINLINE	11550000
15							
16							
17							
18							
19							
20							

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\$HELP SYSTEM/34 HELP UTILITY		PAGE 73		V09/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC
02		3285 *		TWAEQ			02200000
		3286 *					
03		3287 *			GENERAL TASK WORK AREA ACCESS EQUATES		
		3288 *					
04		0001 3289	TWAPUT	EQU	X'01'	PUT TO TASK WORK AREA	
		0000 3290	TWAGET	EQU	X'00'	GET FROM TASK WORK AREA	
		0002 3291	TWASYS	EQU	X'02'	SYSTEM REQUEST (XR1 = TCB @)	
		0004 3292	TWAWSWA	EQU	X'04'	USE WORKSTATION WORK AREA	
05		0000 3293	TWATWA	EQU	X'00'	USE ALLOCATED TASK WORK AREA	
		0040 3294	TWAREAL	EQU	X'40'	DATA AREA IN REAL STORAGE	
		0000 3295	TWAXIATF	EQU	X'00'	DATA AREA IN TRANSLATED STORAGE	

16	22890000																					
17	22910000																					
18	22920000																					
19																						
20																						

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12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY										PAGE 110 V09/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY								
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT							ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					
02	11250000		4573	*/	START OF SPECIFICATIONS *****/						11570000	02			4606	*/						
	11260000		4574	*/							11580000				4607	*/						
			4575	*/	ROUTINE NAME = HE002500						11590000				4608	*/						
03	11280000		4576	*/							11600000	03			4609	*/						
			4577	*/	STATUS = RELEASE 3						11610000				4610	*/						
			4578	*/							11620000				4611	*/						
04	11300000		4579	*/	FUNCTION = PULL PARAMETERS DOWN IN THE WORK STATION BUFFER						11630000	04			4612	*/						
	11310000		4580	*/							11640000				4613	*/						
			4581	*/	INPUT = XR1 POINTS TO THE ADDRESS TO MOVE INTO						11650000				4614	*/						
05	11330000		4582	*/							11660000	05			4615	*/						
			4583	*/	OUTPUT = PARAMETERS ARE PULLED						11670000				4616	*/						
			4584	*/							11680000				4617	*/						
06	11340000		4585	*/	EXITS = RETURN TO CALLER						11690000	06			4618	*/						
	11350000		4586	*/							11700000				4619	*/						
	11360000		4587	*/	CHANGE ACTIVITY = 04/10/78 NJB						11710000				4620	*/						
07	11370000		4588	*/							11720000	07			4621	*/						
	11390000		4589	*/	END OF SPECIFICATIONS *****/						11730000				4622	*/						
08		CE9C 34 08 CEBF	4591	HE002500	ST HE002599+3,ARR	SAVE RETURN ADDRESS					11750000	08			4623	*/						
		CEA0 34 01 D750	4593	HE002510	ST HEPULPTR,XR1	SAVE CURRENT @ IN BUFFER					11770000				4624	*/						
09	11410000		4595		CLC HEPULPTR(2),HEPULEND	END OF BUFFER ?					11790000	09	CEC0	OC 01 CFOB D75C	4628	HE002						
	11420000		4596		JH HE002599	YES - CONTINUE					11800000		CEC6	OC 01 CF17 D764	4629							
10	11440000											10	CECC	OC 07 D789 D738	4630							
	11450000														4631	*						
11	11470000		4598	MVC	7(8,XR1),15(,XR1)	MOVE THE PARAMETER DOWN					11820000	11	CE02	OC 07 D791 D778	4632							
	11480000		4599	SLC	15(8,XR1),15(,XR1)	CLEAR PARAMETER JUST MOVED					11830000		CE08	BC 04 1C	4634							
12	11500000		4601	LA	8(,XR1),XR1	XR1 --> NEXT PARAMETER IN BUFFER					11850000	12	CE0B	BC 00 1D	4635							
			4602	B	HE002510	MOVE NEXT PARAMETER					11860000		CE0E	AF 02 2B 2B	4637							
13	11520000		4604	HE002599	B #	RETURN TO CALLER					11880000	13	CEE2	35 01 D74A	4639							
	11530000																					
	11550000																					
14												14	CEE6	9C 01 2B 22	4641							
													CEEA	8E 01 2B D74C	4642							
													CEEF	BC 01 27	4643							
15												15										
16												16										
17												17										
18												18										
19												19										
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D05

12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY										PAGE 74 V09/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY								
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT							ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					
02	02200000		0027	3339	TWAMPSTAT EQU 39	STATUS SAVE AREA (39-50)						02				3355	*					
			0033	3340	TWAMPERPS EQU 51	TAG 51- I/O ERP SAVE AREA FOR MSG BUILD										3356	*****					
			3341	*	52	TAG 52- RESERVED THRU 59										3357	*****					
03			003C	3342	TWAPCSMQ EQU 60	TAG 60- CONSOLE SYSLOG MESSAGE QUEUE.						03				3358	**					
			3343	*	119	TAG 119- END OF CONSOLE MESSAGE QUEUE.										3359	*****					
			3344	*												3360	*****					
04			3345	*	TWA EXTENSION ELEMENT EQUATES							04										
			3346	*																		
05			0002	3347	TWAWMAP EQU 02	TWA AVAILABLE TRACKS MAP						05					3362	*****				
			0003	3348	TWAWMAPL EQU 03	LENGTH OF MAP FIELD										3363	* GEN					
			0004	3349	TWAWFYT EQU TWAWMAP+2	CHAIN FIELD										3364	*****					

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11880000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		4606	*/	START OF SPECIFICATIONS *****/	11900000
		4607	*/	*/	11910000
		4608	*/	ROUTINE NAME = HE002600	11920000
03		4609	*/	*/	11930000
		4610	*/	STATUS = RELEASE 3	11940000
		4611	*/	*/	11950000
04		4612	*/	FUNCTION = PROCESS COMMAND KEY 1	11960000
		4613	*/	DISPLAY COMMAND/FUNCTION KEY DISRPTIONS	11970000
		4614	*/	*/	11980000
05		4615	*/	INPUT = XR2 POINTS TO THE WORK STATION BUFFER	11990000
		4616	*/	*/	12000000
		4617	*/	OUTPUT = CURRENT FORMAT IS SAVED	12010000
06		4618	*/	THE HELP FORMAT IS DISPLAYED	12020000
		4619	*/	EITHER THE CURRENT FOMAT IS REDISPLAYED OR THE	12030000
		4620	*/	HELP PROCEDURE LIST IS DISPLAYED.	12040000
07		4621	*/	*/	12050000
		4622	*/	EXITS = RETURN TO CALLER	12060000
		4623	*/	*/	12070000
08		4624	*/	CHANGE ACTIVITY = 04/10/78 NJB	12080000
		4625	*/	*/	12090000
		4626	*/	END OF SPECIFICATIONS *****/	12100000
09	CECO OC 01 CFOF D75C	4628	MVC	HE002610+3(2),HETABLE@ SAVE CURRENT TABLE ADDRESS	12120000
	CEC6 OC 01 CF17 D764	4629	MVC	HE002620+3(2),HEFMTBL@ SAVE CURRENT INDEX ADDRESS	12130000
10	CECC OC 07 D789 D738	4630	MVC	HEWORK+HETBLLEN-1(HETBLLEN),HETBLSAV+HETBLLEN-1	12140000
		4631	*	SAVE CURRENT TABLE ENTRY	12150000
	CE22 OC 07 D791 D778	4632	MVC	HEWORK+HETBLLEN+FMNAME(8),HEFORMAT SAVE CURRENT NAME	12160000
11	CE08 BC 04 1C	4634	MVI	\$/SOPM(XR2),\$/SSAVE SET UP FOR USER SAVE	12180000
	CE08 BC 00 1D	4635	MVI	\$/SOPC(XR2),ZERO ZERO OP CODE	12190000
12	CEDE AF 02 2B 2B	4637	SLC	\$/SELN(3,XR2),\$/SELN(XR2) ZERO ROLL FIELDS	12210000
13	CEE2 35 01 D74A	4639	L	HETUB@,XR1 XR1 --> TUB	12230000
	CEE6 9C 01 2B 22	4641	MVC	\$/SELN(2,XR2),TUB\$W@,XR1) MOV @SWA @ TO DTF	12250000
14	CEEA 8E 01 2B D74C	4642	ALC	\$/SELN(2,XR2),HEUSSAV@ ADD USER SAVE ADDRESS	12260000
	CEEF BC 01 27	4643	MVI	\$/SIOPC(XR2),ONE SET INTERNAL OP CODF TO 1	12270000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		3355	*	XNTEQ	02220000
		3356	*	*****	
		3357	*	*****	
03		3358	**	MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES **	
		3359	*	*****	
		3360	*	*****	
04					
		3362	*	*****	
05		3363	*	GENERAL EQUATES FOR TRANSIENT/TRANSFER TABLE ENTRIES	
		3364	*	*****	

ERR LOC	OBJECT CODE	ADDR	STMT	
02		4645		
		4646		
		4647		
03		4648		
		4649		
		4650		
04		4651		
	CEF2 C2 02 D683	4652		
	CEF6 F4 01 04	4653		
05	CEF9 13	4654	CE->	
		4655		
06	CEFA C0 87 D65D	4657		
07	CEFE OC 07 D778 EEOF	4659		
		4660		
	CF04 3A 20 D73C	4661		
08	CF08 C0 87 C927	4662		
09	CF0C C2 01 0000	4664		
	CF10 34 01 D75C	4665		
10	CF14 C2 01 0000	4667		
	CF18 34 01 D764	4668		
11	CF1C C2 02 D683	4670		
	CF20 BC 07 36 D778	4671		
12	CF25 BC 00 1C	4672		
		4674		
	CF28 BC 07 1D	4675		
13	CF28 C2 01 ECFO	4676		
	CF2F B4 01 21	4677		
	CF32 F4 01 04	4678		
14	CF35 13	4679	CF35	
		4680		
15	CF36 C0 87 D65D	4682		
16	CF3A OC 07 D738 D789	4684		
		4685		
	CF40 OC 07 D778 D791	4686		
17	CF46 39 0F D735	4688		
	CF4A F2 90 07	4689		
18				
19	CF4D 35 01 D74A	4691		
	CF51 7B 04 4E	4693		

ERR LOC	OBJECT CODE	ADDR	STMT	
02		001D	3408	
		001E	3409	
		001F	3410	
03		0020	3411	
		0021	3412	
		0022	3413	
04		0023	3414	
		0024	3415	
		0025	3416	
05		0026	3417	
		0027	3418	

E08

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***** 12290000
* 12300000
* 12310000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
				4695 *E002630 \$WSIO OPC-GET,RCAD-HEWSBUFF,HELP-N,ROLL-N	12690000
	CF54	4696	HE002630	EQU * GENERATE WORK STN. I/O REQUEST	
	CF54	BC 01 1D	4697	MVI \$WSOPCC,2),01 SET SPECIFIED OPERATION CODE	
	CF57	C2 01 ECFO	4698	LA HEWSBUFF,1 LOAD RECORD AREA ADDRESS IN XR1	
	CF5B	B4 01 21	4699	ST \$WSRECA(,2),1 STORE RECORD AREA ADDRESS IN DTF	
	CF5E	BC 00 3B	4700	MVI \$WSKPSK(,2),0+0+0+0+0 MOVE KEY MASK TO DTF	
	CF61	F4 01 04	4701	SVC X'04',X'01' CALL WORK STATION DATA MGMT.	
	CF64	I3	CF64 4702	DC AL1(19) RIB FOR DATA MANAGEMENT	
			4703	*** END OF EXPANSION **	
	CF65	CO 87 065D	4705	B HE009100 CHECK FOR ERROR RETURN CODE	12710000
	CF69	BC 07 36 D77B	4707	MVC \$WSFMTR(,XR2),HEFORMAT RESTORE FORMAT NAME IN DTF	12730000
	CF6E	BD F1 26	4709	CLI \$WSAID(,XR2),\$AIDNTR ENTER PRESSED ?	12750000
	CF71	CO 01 CC18	4710	BNE HE002040 NO - CHECK OTHER COMMAND KEYS	12760000
	CF75	BC 02 1C	4712	MVI \$WSOPPK(,XR2),\$WSRSTR SET FOR RESTORE	12780000
	CF78	BC 00 1D	4713	MVI \$WSOPCC(,XR2),ZERO ZERO OP CODE	12790000
	CF7B	AF 02 2B 2B	4715	SLC \$WSSELN(3,XR2),\$WSSELN(,XR2) ZERO ROLL FIELDS	12810000
	CF7F	35 01 D74A	4717	L HETUB@,XR1 XR1 --> TUB	12830000
	CF83	9C 01 2B 22	4719	MVC \$WSSELN(2,XR2),TUBWSWA(,XR1) MOVE WSWA ADDRESS TO DTF	12850000
	CF87	8E 01 2B D74C	4720	ALC \$WSSELN(2,XR2),HEUSSAW@ ADD @ OF USER SAVE AREA	12860000
	CF8C	BC 01 27	4722	MVI \$WSSTOPC(,XR2),ONE SET INTERNAL OP CODE TO 1	12880000
			4724 *	\$WSIO DTF-HEWSDTF	12900000
	CF8F	C2 02 D683	4725	LA HEWSDTF,2 LOAD POINTER TO WORK STATION DTF	
	CF93	F4 01 04	4726	SVC X'04',X'01' CALL WORK STATION DATA MGMT.	
	CF96	I3	CF96 4727	DC AL1(19) RIB FOR DATA MANAGEMENT	
			4728	*** END OF EXPANSION **	
	CF97	CO 87 D65D	4730	B HE009100 CHECK FOR ERROR RETURN CODE	12920000
	CF9B	CO 87 CBDC	4732	B HE002030 RETURN	12940000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
			3453	*****	02250000
			3454 *	*	02260000
			3455 *	START OF PROGRAM LOGIC	02270000
			3456 *	CHECK IF RUNNING FROM A PROCEDURE, OR WITHOUT A REQUESTOR.	02280000
			3457 *	*	02290000
			3458	*****	02300000
			3460 *E000100	TCB@ R-XR1 GET TCB @	02320000
	C807	35 01 0141	3461	HE000100 L 321,XR1 GET TCB ADDRESS.	
			3462	*** END OF EXPANSION **	

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ERR LOC OBJECT CODE ADDR

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12900000

12920000
12940000

CF9F 34 08 D044

CFA3 35 01 D758
CFA7 C2 02 ECFO

CFAB BC 40 78
CFAE AC 77 77 78

CFB2 3C 0B D741
CFB6 BC 04 04 D899

CFB8 E2 02 05
CFBE 02 01 2B

CFC1 34 01 D754

CFC5 BC 68 00
CFC8 E2 02 01

CFCB 7D 00 00
CFCE F2 81 1E

CFD1 3C 08 D742

\$HELP SYSTEM/34 HELP UTILITY PAGE 77 V09/11/81 12/05/81 12:00

ERR LOC OBJECT CODE ADDR

02250000
02260000

02270000
02280000
02290000

02300000

02320000

C838 38 40 008C

C83C F2 10 0B

AGE 113 V09/11/81 12/05/81 12:00
12690000
CODE 12710000
DTF 12730000
ND KEYS 12750000 12760000
12780000
12790000
12810000
12830000
TO DTF 12850000 A 12860000
D 1 12880000
12900000
CODE 12920000
12940000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 114 V09/11/81 12/05/81 12:00	
02		4734	*/	START OF SPECIFICATIONS *****	12960000	
		4735	*/	*/	12970000	
03		4736	*/	ROUTINE NAME = HE002700	12980000	
		4737	*/	*/	12990000	
		4738	*/	STATUS = RELEASE 3	13000000	
		4739	*/	*/	13010000	
04		4740	*/	FUNCTION = SET UP FOR JOBQ	13020000	
		4741	*/	*/	13030000	
05		4742	*/	INPUT = PPSA CONTAINS THE PROCEDURE NAME AND PARAMETERS TO	13040000	
		4743	*/	BE PUT ON THE JOBQ	13050000	
		4744	*/	*/	13060000	
06		4745	*/	OUTPUT = PROCEDURE IS PUT ON THE JOBQ	13070000	
		4746	*/	*/	13080000	
		4747	*/	EXITS = RETURN TO CALLER	13090000	
		4748	*/	*/	13100000	
07		4749	*/	CHANGE ACTIVITY = 04/10/78 NJB	13110000	
		4750	*/	*/	13120000	
		4751	*/	END OF SPECIFICATIONS *****	13130000	
08	CF9F 34 08 D044	4753	HE002700 ST	HE002799+3,ARR	SAVE RETURN ADDRESS	13150000
09	CFA3 35 01 D758	4755	L	HEPPSAB,XR1	XR1 --> CURRENT PPSA	13170000
	CFA7 C2 02 ECFO	4756	LA	HEWSBUFF,XR2	XR2 --> WORK STATION BUFFER	13180000
10	CFAB BC 40 78	4758	MVI	120(XR2),BLANK	CLEAR OUT WORK	13200000
	CFAE AC 77 77 78	4759	MVC	119(120,XR2),120(XR2)	WORK STATION BUFFER	13210000
11	CFB2 3C 08 D741	4761	MVI	HEPRMCTR,ELEVEN	INIT PARM COUNTER TO 11	13230000
	CFB6 8C 04 04 D899	4762	MVC	4(5,XR2),HEJOBQ	MOVE 'JOBQ' TO BUFFER	13240000
12	CFB8 E2 02 05	4764	LA	5(XR2),XR2	XR2 --> NEXT POSITION IN BUFFER	13260000
	CFBE 02 01 28	4765	LA	PPSVAR01-7(XR1),XR1	XR1 --> 1ST PARAMETER IN PPSA	13270000
13	CFC1 34 01 D754	4767	HE002710 ST	HEPRMCTR,XR1	SAVE ADDRESS ON PPSA	13290000
14	CFC5 BC 68 00	4769	MVI	0(XR2),HECOMMA	MOVE COMMA TO BUFFER	13310000
	CFC8 E2 02 01	4770	LA	1(XR2),XR2	XR2 --> NEXT POSITION IN BUFFER	13320000
15	CFCB 7D 00 00	4772	CLI	0(XR1),ZERO	NULL PARAMETER ?	13340000
	CFCE F2 81 1E	4773	JE	HE002730	YES - CONTINUE	13350000
16	CFD1 3C 08 D742	4775	MVI	HECHRCTR,EIGHT	INIT CHARACTER COUNTER TO 8	13370000

AGE 77 V09/11/81 12/05/81 12:00
***** 02250000
* 02260000
* 02270000
RESTOR. * 02280000
* 02290000
***** 02300000
02320000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 78 V09/11/81 12/05/81 12:00	
02		3494	*****	*****	02640000	
		3495	*	*	02650000	
03		3496	*	SET INDICATOR FOR EITHER IGAR OR MAGAZINE DISKETTE	02660000	
		3497	*	*	02670000	
		3498	*****	*****	02680000	
04	C838 38 40 008C	3500	HE000115 TBN	NUBSCA+SCADCSPI,SCAMARNR	DOES THE SYSTEM HAVE A	02700000
		3501	*	*	MAGAZINE DISKETTE DRIVE ?	02710000
05	C83C F2 10 08	3502	JT	HE000120	YES - CONTINUE	02720000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
CFD5 7D 40 00
CFD8 F2 81 14
CFD8 %C 00 00 00
CFD8 D2 01 01
CFF2 E2 02 01
CFF5 0F 00 D742 D7
CFF8 C0 84 CFD5
CFF8 35 01 D754
CFF3 D2 01 08
CFF6 0F 00 D741 D7
CFFC C0 84 CFC1
D000 C2 02 D6EC
D004 F4 00 10
D007 0004

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
C870 C0 87 CDDC

E10

9/11/81 12/05/81 12:00
12960000
12970000
12980000
12990000
13000000
13010000
13020000
13030000
13040000
13050000
13060000
13070000
13080000
13090000
13100000
13110000
13120000
13130000
13150000
13170000
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13200000
13210000
13230000
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13290000
13310000
13320000
13340000
13350000
13370000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	CFD5 7D 40 00	4777	HE002720	CLI	OC, XR1), BLANK	IS THE CHARACTER BLANK ?
	CFD8 F2 81 14	4778		JE	HE002730	YES - CONTINUE
03	CFD8 9C 00 00 00	4780		MVC	0(1, XR2), OC, XR1)	MOVE CHARACTER TO BUFFER
	CFDF D2 01 01	4781		LA	1(, XR1), XR1	XR1 - NEXT CHAR IN PARAMETER
04	CFE2 E2 02 01	4782		LA	1(, XR2), XR2	XR2 --> NEXT POSITION IN BUFFER
05	CFE5 0F 00 D742 D7A7	4784		SLC	HECHRCTR(1), HECONC	SUBTRACT 1 FROM # OF CHARS
	CFEB C0 84 CF05	4785		BP	HE002720	# > 0, CHECK NEXT CHARACTER
06	CFE5 35 01 D754	4787	HE002730	L	HEPRMPTR, XR1	RESTORE PARAMETER # IN PPSA
	CFE3 D2 01 08	4788		LA	8(, XR1), XR1	XR1 --> NEXT PARAMETER IN PPSA
07	CFF6 0F 00 D741 D7A7	4790		SLC	HEPRMCTR(1), HECONC	SUBTRACT 1 FROM # OF PARAMETERS
	CFFC C0 84 CFC1	4791		BP	HE002710	# > 0, CHECK NEXT PARAMETER
08	D000 C2 02 D6EC	4793		LA	HECPPARM1, XR2	XR2 --> COMMAND PROCESSOR LIST
09	D004 F4 00 10	4795 *		\$XFER	SS@-HECPIN	
	D007 0004	4796		SVC	16, 0	
		4797	D008	DC	AL2(HECPIN)	
		4798			*** END OF EXPANSION **	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02						4
03						4
04						4
05	D009 8D 01 09 D7A6					4
	D00E F2 81 21					4
06	D011 C2 01 DA63					4
07	D015 6D 01 01 09					4
	D019 F2 81 0F					4
08	D01C D2 01 02					4
09	D01F 7D FF 00					4
	D022 C0 01 D015					4
11	D026 F4 00 22					4
	D029 0162				D02A	4
12	D028 75 01 03					4
	D02E C0 87 D50D					4
14	D032 C2 02 D6D4					4
	D036 F4 01 04					4
15	D039 05				D039	4
16	D03A 35 02 D758					4
17	D03E BA 40 01					4
18	D041 C0 87 0000					4

D10

9/11/81 12/05/81 12:00
02640000
02650000
02660000
02670000
02680000
02700000
02710000
02720000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		3537			*****	02890000
		3538 *			*	02900000
03		3539 *			OPEN ALL FORMAT MEMBERS	02910000
		3540 *			*	02920000
		3541			*****	02930000
04	C870 C0 87 CDDC	3543	HE000130 B	HE002400	OPEN FORMAT MEMBERS	02950000
05		3545			*****	02970000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02						35
						35
03						35
						35
						35
04	C893 34 01 D758					35
05	C897 4D 07 27 D7B9					35

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E11

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OK ? 13390000
13400000

PARAMETER 13420000
IN BUFFER 13430000
13440000

CHARS 13460000
RACTER 13470000

N PPSA 13490000
R IN PPSA 13500000

PARAMETERS 13520000
METER 13530000

SSOR LIST 13550000
13570000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		4800			*****	13590000
		4801	*		*	13600000
03		4802	*		CHECK THE RETURN CODE FROM THE COMMAND PROCESSOR.	13610000
		4803	*		IF THE RETURN CODE IS ZERO, CONTINUE. IF THE RETURN CODE	13620000
		4804	*		IS NON - ZERO, FIND THE MIC # IN THE CONVERSION TABLE	13630000
04		4805	*		AND ISSUE AN ERROR MESSAGE.	13640000
		4806	*		*	13650000
		4807	*		*****	13660000
05		D009	BD 01 09	D7A6	4809 CLC CPMRETCDC(2,XR2),HECZERO	RETURN CODE OK ? 13680000
		D00E	F2 81 21		4810 JE HE002790	YES - CONTINUE 13690000
06		D011	C2 01	DA63	4812 LA HEMICTBL,XR1	XR1 --> MIC CONVERSION TABLE 13710000
07		D015	6D 01 01	09	4814 HE002750 CLC 1(2,XR1),CPMRETCDC(,XR2)	THIS THE SAME RETURN CODE ? 13730000
		D019	F2 81	0F	4815 JE HE002760	YES - CONTINUE 13740000
08		D01C	D2 01	02	4817 LA 2(,XR1),XR1	XR1 --> NEXT TABLE ENTRY 13760000
09		D01F	7D FF	00	4819 CLI 0(,XR1),HECXFOX	END OF TABLE ? 13780000
		D022	CO 01	D015	4820 BNE HE002750	NO - CHECK NEXT TABLE ENTRY 13790000
10					4822 * ERR MIC-0354	ISSUE DISASTER ERROR 13810000
11		D026	F4 00	22	4823 SVC X'22',0	DUMP STORAGE SVC
		D029	0162		D02A 4824 DC AL2(0354)	MIC NUMBER IN HEX
					4825 *** END OF EXPANSION **	
12		D02B	75 01	03	4827 HE002760 L 3(,XR1),XR1	XR1 --> MIC # 13830000
		D02E	CO 87	D50D	4828 B HE009000	BRANCH TO ERROR ROUTINE 13840000
13					4830 *E002790 \$LOG LIST=HESLPARM	ISSUE JOBQ MESSAGE 13860000
					4831 * LINKAGE TO SYSLOG ROUTINES	
14		D032	C2 02	D6D4	4832 HE002790 EQU *	
		D036	F4 01	04	4833 LA HESLPARM,2	REGISTER 2 --> PARAMETER LIST
		D039	05		4834 SVC X'04',X'01'	CALL SYSLOG WITH REFRESH
					4835 DC XL1'05'	SYSLOG RIB
					4836 * END OF EXPANSION	
					4837 *** END OF EXPANSION **	
16		D03A	35 02	D758	4839 L HEPPSA@,XR2	XR2 --> CURRENT PPSA 13880000
17		D03E	BA 40	01	4841 SBN PPSFLAG1(,XR2),PPSEDFSG	SET END OF FILE FROM SOURCE GET 13900000
18		D041	CO 87	0000	4843 HE002799 B #	RETURN TO CALLER 13920000

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ERR LOC OBJECT CODE

D045 0C 07 D778

D048 3A 20 D73C
D04F C0 87 CB72

D053 38 80 D735
D057 87 10 01 D735
D05C F2 82 0A

D05F 0E 00 D735
D065 C0 87 D057

D069 C0 87 CD9A

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***** 02890000
* 02900000
* 02910000
* 02920000
***** 02930000
02950000
***** 02970000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		3567			*****	02190000
		3568	*		*	03200000
03		3569	*		CLEAR THE PPSA. IF THE FIRST PARAMETER IS ZERO DISPLAY	03210000
		3570	*		THE 1ST MENU, ELSE DISPLAY THE SPECIFIED SCREEN.	03220000
		3571	*		*	03230000
		3572	*		*****	03240000
04		C893	34 01	D758	3574 HE000150 ST HEPPSA@,XR1	SAVE THE @ OF CURRENT PPSA 03260000
05		C897	4D 07	D7B9	3576 CLC PPSNAME(8,XR1),HECHHELP	THIS THE HELP PROCEDURE ? 03280000

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ERR LOC OBJECT CODE

C8C8 35 01 D74A

C8CC 78 08 30
C8CF F2 90 1B

D11

16	D60F F4 01 04 D612 13	6025 D612 6026	SVC X'04',X'01' DC AL1(19)	CALL WORK STATION DATA MGMT. RIB FOR DATA MANAGEMENT
17		6027 ***	END OF EXPANSION **	
18				
19				
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E12

116	V09/11/81 12/05/81 12:00
*****	13590000
*	13600000
*	13610000
E	13620000
*	13630000
*	13640000
*	13650000
*****	13660000
	13680000
	13690000
	13710000
	13730000
	13740000
	13760000
	13780000
	13790000
	13810000
	13830000
	13840000
	13860000
	13880000
GET	13900000
	13920000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 117 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		4845 */* START OF SPECIFICATIONS *****/	13940000
		4846 */* */	13950000
03		4847 */* ROUTINE NAME = HE002800	13960000
		4848 */* */	13970000
		4849 */* STATUS = RELEASE 3	13980000
		4850 */* */	13990000
04		4851 */* FUNCTION = SEARCH LIST TABLE AND DISPLAY LIST	14000000
		4852 */* */	14010000
		4853 */* INPUT = NONE	14020000
		4854 */* */	14030000
05		4855 */* OUTPUT = 1ST MENU IS DISPLAYED	14040000
		4856 */* */	14050000
06		4857 */* EXITS = HE002300	14060000
		4858 */* */	14070000
07		4859 */* CHANGE ACTIVITY = 07/12/78 NJB	14080000
		4860 */* */	14090000
		4861 */* END OF SPECIFICATIONS *****/	14100000
08	D045 0C 07 D778 EDFF	4863 HE002800 MVC HEFORMAT(8),HEMENU1*FMLEN+HEFMTNM SET FOR MAIN MENU	14120000
	D048 3A 20 D73C	4865 SBN HESEARCH,HESEARCHM SEARCH BY NAME & NOT TYPE	14140000
09	D04F C0 87 C872	4866 B HE002000 LOOK UP AND DISPLAY FORMAT	14150000
	D053 38 80 D735	4868 SBF HETBLSAV+HETYPE,HEHELP SET PRIVILEGED FORMAT BIT OFF	14170000
	D057 87 10 01 D7A7	4869 HE002810 S2 1(2,XR2),HECONE(1) DECREMENT NUMBER ENTERED	14180000
	D05C F2 82 0A	4870 JM HE002820 NUMBER NEGATIVE, CONTINUE	14190000
	D05F 0E 00 D735 D7A7	4872 ALC HETBLSAV+HETYPE(1),HECONE ADD ONE TO LIST TYPE	14210000
12	D065 C0 87 D057	4873 B HE002810 CONTINUE	14220000
	D069 C0 87 C09A	4875 HE002820 B HE002300 SEARCH LIST TABLE & DISPLAY LIST	14240000
14			
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16			
	13880000		
	13900000		
	13920000		

D12

80	V09/11/81 12/05/81 12:00
*****	03190000
*	03200000
*	03210000
*	03220000
*	03230000
*****	03240000
	03260000
	03280000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 81 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		3601 *****	03520000
		3602 *	03530000
03		3603 * CHECK IF A SECURITY MENU IS ACTIVE.	03540000
		3604 *	03550000
		3605 *****	03560000
04	C8C8 35 01 D74A	3607 HE000200 L HETUB@,XR1 XR1 --> TUB ADDRESS	03580000
	C8CC 78 08 30	3609 TBN TUBOPSTSC(XR1),PRSFMAN IS A SECURITY MENU ACTIVE ?	03600000
05	C8CF F2 90 18	3610 JF HE000210 NO - CONTINUE	03610000

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\$HELP SYSTEM/34 HELP UTILITY	
01	ERR LOC OBJECT CODE
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08	D060 34 08 D006
09	D071 3C 08 D740
	D075 38 80 D781
10	D079 34 02 D752
11	D07D 8D 00 00
	D080 F2 81 4C
12	D083 3C 08 D742
13	D087 C2 01 D782
	D088 6C 07 07 07
	D08F BC 40 07
	D092 AC 06 06 07
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\$HELP SYSTEM/34 HELP UTILITY	
01	ERR LOC OBJECT CODE
02	
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04	C8F9 35 01 D748
05	C8FD 40 07 20 D7B9

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16 D67F C0 87 C876
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117 V09/11/81 12/05/81 12:00
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	4877	*/	*/	START OF SPECIFICATIONS *****/	14260000
02	4878	*/	*/	*****/	14270000
03	4879	*/	*/	ROUTINE NAME = HE002900	14280000
03	4880	*/	*/	*****/	14290000
03	4881	*/	*/	STATUS = RELEASE 3	14300000
04	4882	*/	*/	*****/	14310000
04	4883	*/	*/	FUNCTION = LEFT JUSTIFY PARAMETERS	14320000
04	4884	*/	*/	*****/	14330000
05	4885	*/	*/	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	14340000
05	4886	*/	*/	*****/	14350000
05	4887	*/	*/	OUTPUT = PARAMETERS ARE LEFT JUSTIFIED IN WORK STATION BUFFER	14360000
06	4888	*/	*/	*****/	14370000
06	4889	*/	*/	EXITS = RETURN TO CALLER	14380000
06	4890	*/	*/	*****/	14390000
07	4891	*/	*/	CHANGE ACTIVITY = 07/12/78 NJB	14400000
07	4892	*/	*/	*****/	14410000
07	4893	*/	*/	END OF SPECIFICATIONS *****/	14420000
08	D060	34 08 D006	4895	HE002900 ST HE002999+3,ARR SAVE RETURN ADDRESS	14440000
09	D071	3C 08 D740	4897	HE002910 MVI HEFLDCTR,ELEVEN INITIALIZE COUNTER TO 11	14460000
09	D075	3B 80 D781	4899	HE002920 SBF HESWITCH,HECHAR RESET CHARACTER SWITCH	14480000
10	D079	34 02 D752	4901	ST HEBUFPTR,XR2 SAVE CURRENT @ IN BUFFER	14500000
11	D07D	BD 00 00	4903	CLI 0C,XR2,ZERO IS THIS FIELD = 0 ?	14520000
11	D080	F2 81 4C	4904	JE HE002990 YES - EXIT	14530000
12	D083	3C 08 D742	4906	MVI HECHRCTR,EIGHT INIT CHARACTER COUNTER TO 8	14550000
13	D087	C2 01 D782	4908	LA HEWORK,XR1 XR1 --> WORK AREA	14570000
13	D08B	6C 07 07 07	4909	PVC 7(8,XR1),7C,XR2 MOVE PARAMETER TO WORK AREA	14580000
13	D08F	BC 40 07	4910	MVI 7C,XR2,BLANK MOVE BLANK TO END OF FIELD	14590000
13	D092	AC 06 06 07	4911	PVC 6(7,XR2),7C,XR2 BLANK OUT FIELD	14600000

01 \$HELP SYSTEM/34 HELP UTILITY PAGE 118 V09/11/81 12/05/81 12:00
02 D096 7D 40 00
02 D099 F2 81 0E
03 D09C 3A 80 D781
04 D0A0 9C 00 00 00
05 D0A4 E2 02 01
05 D0A7 F2 87 07
06 D0AA 38 80 D781
06 D0AE F2 10 00
07 D0B1 D2 01 01
07 D0B4 0F 00 D742 D7A7
08 D0BA C0 84 D096
09 D0BE 35 02 D752
09 D0C2 E2 02 08
10 D0C5 0F 00 D740 D7A7
10 D0CB C0 84 D075
11 D0CF C2 02 ECFO
12 D0D3 C0 87 0000
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01 V09/11/81 12/05/81 12:00
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	3635	*****	*****	*****	03761000
02	3636	*	*	*****	03761500
03	3637	*	*	IF THE NAME OF THE FIRST LEVEL PROCEDURE IS HELP, CHANGE IT	03762000
03	3638	*	*	TO THE NAME OF THE PROCEDURE ABOUT TO BE EXECUTED.	03762500
03	3639	*	*	*****	03763000
04	3640	*****	*****	*****	03763500
04	C8F9	35 01 D748	3642	HE000215 L HEJCB@,XR1 XR1 --> JCB ADDRESS	03764500
05	C8FD	4D 07 20 D789	3644	CLC JCB01PRC(8,XR1),HECHHELP 1ST LEVEL PROC = HELP ?	03765500

01 \$HELP SYSTEM/34 HELP UTILITY PAGE 82 V09/11/81 12/05/81 12:00
02
03
04 C916 F4 00 51
04 C919 05
04 C91A 00
05 C91B 01

16	D67F C0 87 CB76	6112	B	HE002010	DISPLAY LAST PRIME FORMAT	24090000	16	D68E 00	D68E 6
17							17	D68F 0000	D6C0 6
18							18	D6C1 0000	D6C2 6
19							19	D6C3 00	D6C3 6
20							20	D6C4 01	D6C4 6
								D6C5 0000	D6C6 6

E14

09/11/81 12/05/81 12:00							09/11/81 12/05/81 12:00							
\$HELP SYSTEM/34 HELP UTILITY							PAGE 119 V09/11/81 12/05/81 12:00							
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT							ERR LOC OBJECT CODE ADDR S							
14260000	02	D096 7D 40 00	4913	HE002930	CLI OC, XR1), BLANK	IS THE POSITION BLANK ?	14620000	02						
14270000		D099 F2 81 0E	4914	JE	HE002940	YES - CONTINUE	14630000							
14280000	03	D09C 3A 80 D781	4916	SBN	HESWITCH, HECHAR	SET ON CHARACTER SWITCH	14650000	03						
14290000	04	D0A0 9C 00 00 00	4918	MVC	OC, XR2), GC1, XR1)	MOVE CHARACTER TO BUFFER	14670000	04						
14300000	05	D0A4 E2 02 01	4920	LA	1C, XR2), XR2	XR2 --> NEXT POSITION IN BUFFER	14690000	05						
14310000		D0A7 F2 87 07	4921	J	HE002950	CONTINUE	14700000							
14320000	06	D0A8 38 80 D781	4923	HE002940	TBN HESWITCH, HECHAR	IS CHARACTER SW ON ?	14720000	06						
14330000		D0AE F2 10 00	4924	JT	HE002960	NO - CONTINUE	14730000							
14370000	07	D0B1 D2 01 01	4926	HE002950	LA 1C, XR1), XR1	XR1 --> NEXT CHAR IN WORK AREA	14750000	07						
14380000	08	D0B4 0F 00 D742 D7A7	4927	SLC	HECHARCTR(1), HECONE	SUBTRACT 1 FROM CHAR COUNTER	14760000	08	D0D7 C2 01 D90A	49				
14390000		D0BA C0 84 D096	4928	BP	HE002930	IF > 0, CHECK NEXT POSITION	14770000		D0DB C0 87 CD41	49				
14400000	09	D0BE 35 02 D752	4930	HE002960	L HEBUFTR, XR2	RESTORE CURRENT @ IN BUFFER	14790000	09	D0DF C0 87 C8C8	49				
14410000		DOC2 E2 02 08	4931	LA	8C, XR2), XR2	XR2 --> NEXT PARAM IN BUFFER	14800000							
14420000	10	DOC5 0F 00 D740 D7A7	4933	SLC	HEFLDCTR(1), HECONE	SUBTRACT 1 FROM # OF PARAMETERS	14820000	10						
14440000		DOC8 C0 84 D075	4934	BP	HE002920	IF > 0, MOVE NEXT PARAMETER	14830000							
14460000	11	DOCF C2 02 ECFO	4936	HE002990	LA HEWSBUFF, XR2	XR2 --> WS BUFFER	14850000	11						
14480000	12	D0D3 C0 87 0000	4938	HE002999	B #	RETURN TO CALLER	14870000	12						
14500000	13							13						
14520000	14							14						
14530000	15							15						
14550000	16							16						
14570000	17							17						
14580000	18							18						
14590000	19							19						
14600000	20							20						

D14

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\$HELP SYSTEM/34 HELP UTILITY							PAGE 83 V09/11/81 12/05/81 12:00							
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT							ERR LOC OBJECT CODE ADDR ST							
03761000	02	3655			*****		03810000	02						
03761500		3656 *					03820000							
03762000	03	3657 *			UPDATE THE PPSA ON DISK AND CALL END-OF-JOB		03830000	03						
03762500		3658 *					03840000							
03763000		3659			*****		03850000							
03763500	04	C916 F4 00 51	3661	SVC	81,0	PUT THE PPSA BACK TO DISK	03870000	04						
03764500		C919 05	C919 3662	DC	AL1(0+0+5)		03880000							
		C91A 00	C91A 3663	HE000230	DC	AL1(#)	03890000							
03765500	05	C91B 01	C91B 3664	DC	AL1(1)		03900000	05						

24090000

16	D68C 0000	D68E 6156	DC	AL1(00+00+00+00+00)	SYMBOLIC TERMINAL ID	16
	D68F 0000	D6C0 6157	DC	AL2(00)	ADDRESS OF RPG DTF EXTENSION	
17	D6C1 0000	D6C2 6158	DC	AL2(00)	ADDRESS OF TERMINAL ID TABLE	17
	D6C3 00	D6C3 6159	DC	AL1(00)	LENGTH OF TABLE ENTRY	
	D6C4 01	D6C4 6160	DC	AL1(01)	MAXIMUM NO. OF TERMINALS IN FILE	
18	D6C5 0000	D6C6 6161	DC	XL2'00'	RESERVED	18
		6162 ***		END OF EXPANSION **		
19						19
20						20

E15

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01	\$HELP SYSTEM/34 HELP UTILITY					PAGE 120 V09/11/81 12/05/81 12:00	01
	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
02	14620000			4940	*/ * START OF SPECIFICATIONS *****/	14890000	02
	14630000			4941	*/ * */	14900000	
03				4942	*/ * ROUTINE NAME = HE003000	14910000	03
	14650000			4943	*/ * */	14920000	
				4944	*/ * STATUS = RELEASE 3	14930000	
04	14670000			4945	*/ * */	14940000	04
				4946	*/ * FUNCTION = PROCESS PARAMETERS FOR ALTERBSC PROCEDURE	14950000	
				4947	*/ * */	14960000	
FER	14690000			4948	*/ * INPUT = PARAMETERS AREA IN THE WORK STATION BUFFER	14970000	05
	14700000			4949	*/ * */	14980000	
				4950	*/ * OUTPUT = PARAMETERS AND KEYWORDS ARE IN THE WORK STATION BUFFER	14990000	
	14720000			4951	*/ * */	15000000	06
	14730000			4952	*/ * EXITS = RETURN TO MAINLINE	15010000	
				4953	*/ * */	15020000	
07				4954	*/ * CHANGE ACTIVITY = 04/10/78 NJB	15030000	07
	EA 14750000			4955	*/ * */	15040000	
	14760000			4956	*/ * END OF SPECIFICATIONS *****/	15050000	
08	14770000	D0D7 C2 01 D90A	4958	HE003000 LA	HEBSCBTL,XR1	15070000	08
		D0DB C0 87 CD41	4959	B	HE002200	15080000	
09	14790000	D0DF C0 87 C8C8	4961	B	HE000200	15100000	09
	14800000				RETURN TO MAINLINE		
10	14820000						10
	14830000						
11							11
	14850000						
12							12
	14870000						
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20

D15

3 V09/11/81 12/05/81 12:00

01	\$HELP SYSTEM/34 HELP UTILITY					PAGE 84 V09/11/81 12/05/81 12:00	01
	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
02	**** 03810000			3683	*/ * START OF SPECIFICATIONS *****/	04100000	02
	* 03820000			3684	*/ * */	04110000	
03	* 03830000			3685	*/ * ROUTINE NAME = HE001000	04120000	03
	* 03840000			3686	*/ * */	04130000	
	**** 03850000			3687	*/ * STATUS = RELEASE 3	04140000	
				3688	*/ * */	04150000	
04	03870000			3689	*/ * FUNCTION = SEARCH FORMAT TABLE FOR VALID FORMAT	04160000	04
	03880000			3690	*/ * */	04170000	
	03890000			3691	*/ * INPUT = HEFORMAT CONTAINS THE FORMAT NAME	04180000	
	03900000			3692	*/ * */	04190000	05

\$HELP SYSTEM/34 HELP UTILITY

02							02
03							03
04							04
05							05
06							06
07							07
08	DOE3 C0 87 CCE8						08
09	DOE7 8D 07 07 D844						09
	DOEC F2 81 07						
10	DOEF 3C 01 D73D						10
	DOF3 F2 87 04						
11							11
	DOF6 3C 02 D73D						
12	DOFA C0 87 CB72						12
13							13
	DOFE C0 87 C8C8						
14							14
15							15
16							16
17							17
18							18
19							19
20							20

\$HELP SYSTEM/34 HELP UTILITY

02	C967 AE 01 2A 38						02
	C968 AE 01 32 3A						
03	C96F 8D 01 2A D762						03
	C974 F2 04 28						
04							04
	C977 B9 C0 08						
05	C97A F2 90 1A						05

14890000
14900000
14910000
14920000
14930000
14940000
14950000
14960000
14970000
14980000
14990000
15000000
15010000
15020000
15030000
15040000
15050000
15070000
15080000
15100000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02			4963	*/R START OF SPECIFICATIONS *****/	15120000
			4964	*/R */	15130000
03			4965	*/R ROUTINE NAME = HE003100	15140000
			4966	*/R */	15150000
			4967	*/R STATUS = RELEASE 3	15160000
			4968	*/R */	15170000
04			4969	*/R FUNCTION = PROCESS PARAMETERS FOR FORMAT PROCEDURE	15180000
			4970	*/R */	15190000
			4971	*/R INPUT = PARAMETERS ARE IN WORK STATION BUFFER	15200000
05			4972	*/R */	15210000
			4973	*/R OUTPUT = PARAMETERS ARE SAVED IN PPSA AND WORK STATION BUFFER	15220000
			4974	*/R */	15230000
06			4975	*/R EXITS = RETURN TO MAINLINE	15240000
			4976	*/R */	15250000
			4977	*/R CHANGE ACTIVITY = 04/10/78 NJB	15260000
07			4978	*/R */	15270000
			4979	*/R END OF SPECIFICATIONS *****/	15280000
08	DOE3	CO 87	CCE8	4981 HE003100 B HE002100 SAVE PARAMETERS IN PPSA	15300000
09	DOE7	8D 07	D844	4983 CLC HEPARM1+7(8,XR2),HEDELETE 1ST PARAMETER DELETE ?	15320000
	DOEC	F2 81	07	4984 JE HE003110 YES - CONTINUE	15330000
10	DOEF	3C 01	D73D	4986 MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER	15350000
	DOF3	F2 87	04	4987 J HE003120 CONTINUE	15360000
12	DOF6	3C 02	D73D	4989 HE003110 MVI HESRCHDP,TWO MOVE 2 TO DISPLACEMENT COUNTER	15380000
	DOFA	CO 87	CB72	4991 HE003120 B HE002000 LOOK UP AND DISPLAY FORMAT	15400000
13	DOFE	CO 87	C8C8	4993 B HE000200 RETURN TO MAINLINE	15420000

D102	8D 07 27	D85C
D107	F2 81 07	
D10A	3C 02 D73D	
D10E	F2 87 04	
D111	3C 01 D73D	
D115	8D 07 0F	D864
D11A	F2 81 07	
D11D	E2 01 08	
D120	CO 87 CE9C	
D124	CO 87 CCE8	
D128	CO 87 CB72	
D12C	CO 87 C8C8	

04100000
04110000
04120000
04130000
04140000
04150000
04160000
04170000
04180000
04190000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	C967	AE 01 2A 38	3731	HE001020 ALC HEWKTBLC(2,XR2),HECTBLENC,XR2) INCREMENT CURRENT TABLE a	04580000
	C968	AE 01 32 3A	3732	ALC HEWKFMTC(2,XR2),HECFMTC(2,XR2) INCREMENT CURRENT INDEX a	04590000
03	C96F	8D 01 2A D762	3734	CLC HEWKTBLC(2,XR2),HETBLEND CURRENT a > TABLE END a	04610000
	C974	F2 04 28	3735	JNH HE001040 NO - CONTINUE	04620000
04	C977	B9 CO 08	3737	TBF HESEARCH(,XR2),HESRCHFW+HESRCHBW FORWARD/BACKWARD REQ ?	04640000
05	C97A	F2 90 1A	3738	JF HE001030 YES - CONTINUE	04650000

C997	AC 01 2A 2C	
C998	AC 01 32 3A	
C99F	B5 01 2A	
C9A2	78 80 00	
C9A5	CO 90 C947	
C9A9	B8 20 08	

121	V09/11/81	12/05/81	12:00
*****/	15120000		
*/	15130000		
*/	15140000		
*/	15150000		
*/	15160000		
*/	15170000		
*/	15180000		
*/	15190000		
*/	15200000		
*/	15210000		
*/	15220000		
*/	15230000		
*/	15240000		
*/	15250000		
*/	15260000		
*/	15270000		
*/	15280000		
15300000			
15320000			
15330000			
15350000			
15360000			
15380000			
15400000			
15420000			

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 122 V09/11/81 12/05/81 12:00
02				4995 */* START OF SPECIFICATIONS *****/	15440000
				4996 */*	15450000
03				4997 */* ROUTINE NAME = HEO03200	15460000
				4998 */*	15470000
				4999 */* STATUS = RELEASE 3	15480000
04				5000 */*	15490000
				5001 */* FUNCTION = PROCESS PARAMETERS FOR FROMLIBR PROCEDURE	15500000
				5002 */*	15510000
05				5003 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	15520000
				5004 */*	15530000
				5005 */* OUTPUT = PARAMETERS ARE SAVED IN PPSA AND WORK STATION BUFFER	15540000
				5006 */*	15550000
06				5007 */* EXITS = RETURN TO MAINLINE	15560000
				5008 */*	15570000
07				5009 */* CHANGE ACTIVITY = 04/10/78 NJB	15580000
				5010 */*	15590000
				5011 */* END OF SPECIFICATIONS *****/	15600000
08	D102 8D 07 27 D85C	5013	HE003200 CLC	HEPARM5+7(8, XR2), HE11 IS THE 5TH PARAMETER 'I1'	15620000
	D107 F2 81 07	5014	JE	HE003210 YES - CONTINUE	15630000
09	D10A 3C 02 D73D	5016	MVI	HESRCHDP, TWO MOVE 2 TO DISPLACEMENT COUNTER	15650000
	D10E F2 87 04	5017	J	HE003220 CONTINUE	15660000
10	D111 3C 01 D73D	5019	HE003210 MVI	HESRCHDP, ONE MOVE 1 TO DISPLACEMENT COUNTER	15680000
11	D115 8D 07 0F D864	5021	HE003220 CLC	HEPARM2+7(8, XR2), HEALL IS THE 2ND PARAMETER 'ALL' ?	15700000
	D11A F2 81 07	5022	JE	HE003230 YES - CONTINUE	15710000
12	D11D E2 01 08	5024	LA	HEPARM2(, XR2), XR1 XR1 --> 2ND PARAMETER	15730000
	D120 C0 87 CE9C	5025	B	HE002500 PULL PARAMETERS DOWN	15740000
13	D124 C0 87 CCE8	5027	HE003230 B	HE002100 SAVE PARAMETERS IN PPSA	15760000
14	D128 C0 87 CB72	5029	B	HE002000 LOOK UP AND DISPLAY FORMAT	15780000
15	D12C C0 87 C8C8	5031	B	HE000200 RETURN TO MAINLINE	15800000

085	V09/11/81	12/05/81	12:00
TABLE #	04580000		
INDEX #	04590000		
	04610000		
	04620000		
REQ ?	04640000		
	04650000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 86 V09/11/81 12/05/81 12:00
02	C997 AC 01 2A 2C	3757	HE001030 MVC	HEWKTBL@(<2, XR2), HETBLBEG(<2, XR2) SET CURRENT TO TABLE BEG@	04840000
	C998 AC 01 32 34	3758	MVC	HEWKFMT@(<2, XR2), HEFMTBEG(<2, XR2) SET CURRENT TO INDEX BEG@	04850000
03	C99F 85 01 2A	3760	HE001040 L	HEWKTBL@(<2, XR2), XR1 XR1 --> CURRENT TABLE ENTRY	04870000
04	C9A2 78 80 00	3762	TBN	HECONTRL(<2, XR1), HEPRIME IS THIS A PRIME FORMAT ?	04890000
	C9A5 C0 90 C947	3763	BF	HE001010 NO - FIND NEXT FORMAT	04900000
05	C9A9 88 20 08	3765	TBN	HESEARCH(<2, XR2), HESRCHNM THIS A NAME ONLY SEARCH ?	04920000

161	V09/11/81	12/05/81	12:00
*****/	15120000		
*/	15130000		
*/	15140000		
*/	15150000		
*/	15160000		
*/	15170000		
*/	15180000		
*/	15190000		
*/	15200000		
*/	15210000		
*/	15220000		
*/	15230000		
*/	15240000		
*/	15250000		
*/	15260000		
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15300000			
15320000			
15330000			
15350000			
15360000			
15380000			
15400000			
15420000			

085	V09/11/81	12/05/81	12:00
TABLE #	04580000		
INDEX #	04590000		
	04610000		
	04620000		
REQ ?	04640000		
	04650000		

122	V09/11/81	12/05/81	12:00
*****	/	15440000	
*	/	15450000	
*	/	15460000	
*	/	15470000	
*	/	15480000	
*	/	15490000	
*	/	15500000	
*	/	15510000	
*	/	15520000	
*	/	15530000	
R	*	15540000	
*	/	15550000	
*	/	15560000	
*	/	15570000	
*	/	15580000	
*	/	15590000	
*****	/	15600000	
		15620000	
		15630000	
UNTER		15650000	
		15660000	
UNTER		15680000	
		15700000	
' ?		15710000	
		15730000	
		15740000	
		15760000	
		15780000	
		15800000	

\$HELP SYSTEM/34 HELP UTILITY					PAGE 123 V09/11/81 12/05/81 12:00				
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT					
02				5033 */* START OF SPECIFICATIONS *****				15820000	
				5034 */* *****				15830000	
				5035 */* ROUTINE NAME = HEO03300				15840000	
03				5036 */* *****				15850000	
				5037 */* STATUS = RELEASE 3				15860000	
				5038 */* *****				15870000	
04				5039 */* FUNCTION = PROCESS PARAMETERS FOR HISTORY PROCEDURE				15880000	
				5040 */* *****				15890000	
				5041 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER				15900000	
				5042 */* *****				15910000	
05				5043 */* OUTPUT = PARAMETERS ARE SAVED IN THE PPSA				15920000	
				5044 */* *****				15930000	
06				5045 */* EXITS = RETURN TO MAINLINE				15940000	
				5046 */* *****				15950000	
				5047 */* CHANGE ACTIVITY = 04/21/78 NJB				15960000	
07				5048 */* *****				15970000	
				5049 */* END OF SPECIFICATIONS *****				15980000	
08	D130 BD 40 00		5051	HE003300 CLI HEPARM1(,XR2),BLANK	IS 1ST PARAMETER BLANK ?			16000000	
	D133 F2 01 07		5052	JNE HEO03399	NO - CONTINUE			16010000	
09	D136 E2 01 00		5054	LA HEPARM1(,XR2),XR1	XR1 --> 1ST PARAMETER			16030000	
	D139 C0 87 CE9C		5055	B HEO02500	PULL PARAMETERS			16040000	
10									
	D13D C0 87 C8C8		5057	HE003399 B HEO00200	RETURN TO MAINLINE			16060000	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

86	V09/11/81	12/05/81	12:00
LE BEG@		04840000	
EX BEG@		04850000	
RY		04870000	
		04890000	
		04900000	
		04920000	

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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT					
02				3792 *****				05190000	
				3793 *				05200000	
				3794 *	IF THE TABLE ENTRY WHICH HAS BEEN FOUND IS A SUB LIST,			05210000	
03				3795 *	INSURE THAT THE CURRENTY DISPLAYED SCREEN IS PRIVILEGED.			05220000	
				3796 *	IF NOT PRIVILEGED, CONTINUE SEARCHING TABLE.			05230000	
				3797 *				05240000	
04				3798 *****				05250000	
	C9D2 79 70 01		3800	TBF HETYPE(,XR1),HESLST#7	IS THIS A SUB LIST ?			05270000	
05	C9D5 F2 10 0E		3801	JT HEO01045	NO - CONTINUE			05280000	

\$HELP SYSTEM/34 HELP UTILITY				
01	ERR LOC OBJECT CODE			
02				
03				
04				
05				
06				
07				
08	D141 8D 07 27 D864			
	D146 F2 81 07			
09	D149 E2 01 20			
	D14C C0 87 CE9C			
10				
	D150 C0 87 C8C8			
11				
12				
13				
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15				
16				
17				
18				
19				
20				

\$HELP SYSTEM/34 HELP UTILITY				
01	ERR LOC OBJECT CODE			
02				
03				
04				
	CA09 B5 01 2A			
05	CA0C AF 00 09 73			

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*****/
*/ 15820000
*/ 15830000
*/ 15840000
*/ 15850000
*/ 15860000
*/ 15870000
*/ 15880000
*/ 15890000
*/ 15900000
*/ 15910000
*/ 15920000
*/ 15930000
*/ 15940000
*/ 15950000
*/ 15960000
*/ 15970000
*****/
16000000
16010000
16030000
16040000
16060000

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		5059 */*	START OF SPECIFICATIONS *****/
		5060 */*	*/
03		5061 */*	ROUTINE NAME = HE003400
		5062 */*	*/
		5063 */*	STATUS = RELEASE 3
		5064 */*	*/
04		5065 */*	FUNCTION = PROCESS PARAMETERS FOR LIBLIBR PROCEDURE
		5066 */*	*/
		5067 */*	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER
		5068 */*	*/
05		5069 */*	OUTPUT = PARAMETERS ARE SAVED IN THE WORK STATION BUFFER
		5070 */*	*/
06		5071 */*	EXITS = RETURN TO MAINLINE
		5072 */*	*/
		5073 */*	CHANGE ACTIVITY = 04/10/78 NJB
		5074 */*	*/
07		5075 */*	END OF SPECIFICATIONS *****/
08	D141 8D 07 27 D864	5077 HE003400 CLC	HEPARM5<(8,XR2),HEALL IS THE 5TH PARAMETER 'ALL' ?
	D146 F2 81 07	5078 JE HE003499	YES - CONTINUE
09	D149 E2 01 20	5080 LA	HEPARM5<(,XR2),XR1 XR1 --> 5TH PARAMETER
	D14C CO 87 CE9C	5081 B HE002500	PULL PARAMETERS
10			
11	D150 CO 87 C8C8	5083 HE003499 B	HE000200 RETURN TO MAINLINE
12			
13			
14			
15			
16			
17			
18			
19			
20			

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
D154 8D 07 17 D85C
D159 F2 01 2B
D15C 8D 07 1F D87C
D161 F2 81 23
D164 8D 07 1F D884
D169 F2 81 1B
D16C 8D 07 1F D88C
D171 F2 81 13
D174 38 40 008C
D178 F2 90 0C
D17B CO 87 CCE8
D17F 3C 01 D73D
D183 CO 87 CB72
D187 CO 87 C8C8

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* 05190000
* 05200000
* 05210000
* 05220000
* 05230000
* 05240000

05250000
05270000
05280000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 88 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		3825 *****	05520000
		3826 *	05530000
03		3827 *	PERFORM TABLE SEARCH WITH SPECIFIED DISPLACEMENT FROM PRIME
		3828 *	FORMAT.
		3829 *	*/
		3830 *****	05570000
04	CA09 B5 01 2A	3832 HE001060 L	HEWKTBL<(,XR2),XR1 XR1 --> CURRENT TABLE ENTRY
05	CA0C AF 00 09 73	3834 HE001070 SLC	HESRCHDP(1,XR2),HECONE<(,XR2) DECREMENT DISPLACEMENT

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
05540000
05550000
05560000
05590000
05610000

16	D765 0000	24628803
17	D767 EDF8	
18	D769 0000	
19	D768 0008	
20	D760 0010	
	D76F C8C8	
	D771 404040	
	D779 404040	

E20

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*****	/	16080000	
	*/	16090000	
	*/	16100000	
	*/	16110000	
	*/	16120000	
	*/	16130000	
URE	*/	16140000	
	*/	16150000	
	*/	16160000	
	*/	16170000	
UFFER	*/	16180000	
	*/	16190000	
	*/	16200000	
	*/	16210000	
	*/	16220000	
	*/	16230000	
*****	/	16240000	
METER 'ALL' ?		16260000	
		16270000	
AMETER		16290000	
		16300000	
INE		16320000	

\$HELP SYSTEM/34 HELP UTILITY	PAGE 125	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		5085 */*	START OF SPECIFICATIONS *****	16340000
		5086 */*		16350000
		5087 */*	ROUTINE NAME = HE003500	16360000
03		5088 */*		16370000
		5089 */*	STATUS = RELEASE 8	16380000
		5090 */*		16390000
04		5091 */*	FUNCTION = PROCESS PARAMETERS FOR LISTFILE PROCEDURE	16400000
		5092 */*		16410000
		5093 */*	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	16420000
05		5094 */*		16430000
		5095 */*	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	16440000
		5096 */*		16450000
06		5097 */*	EXITS = RETURN TO MAINLINE	16460000
		5098 */*		16470000
		5099 */*	CHANGE ACTIVITY = 02/17/81 RSS	16480000
07		5100 */*		16490000
		5101 */*	END OF SPECIFICATIONS *****	16500000
08	D154 8D 07 17 D85C	5103	HE003500 CLC HEPARM3+7(8,XR2),HE11 IS THE 3RD PARAMETER 'I1' ?	16520000
	D159 F2 01 28	5104	JNE HE003599 NO - CONTINUE	16530000
09	D15C 8D 07 1F D87C	5106	CLC HEPARM4+7(8,XR2),HEAPR FIL 4TH PARM = APARFILE ?	16541000
	D161 F2 81 23	5107	JE HE003599 YES - DO NOT PUT UP 2ND SCREEN	16542000
10				
11	D164 8D 07 1F D884	5109	CLC HEPARM4+7(8,XR2),HEBACKUP 4TH PARM = BACKUP ?	16544000
	D169 F2 81 18	5110	JE HE003599 YES - DO NOT PUT UP 2ND SCREEN	16545000
12	D16C 8D 07 1F D88C	5112	CLC HEPARM4+7(8,XR2),HEPROF IL 4TH PARM = PROFILE ?	16547000
	D171 F2 81 13	5113	JE HE003599 YES - DO NOT PUT UP 2ND SCREEN	16548000
13	D174 38 40 008C	5115	TBN NURSCA+SCADCSP1,SCAMARNR DOES THE SYSTEM HAVE A	16550000
		5116 *	MAGAZINE DISKETTE DRIVE ?	16560000
14	D178 F2 90 0C	5117	JF HE003599 NO - CONTINUE	16570000
15	D17B C0 87 CCE8	5119	B HE002100 SAVE PARAMETERS IN PPSA	16590000
16	D17F 3C 01 D73D	5121	MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER	16610000
17	D183 C0 87 C872	5123	B HE002000 LOOK UP AND DISPLAY FORMAT	16630000
18	D187 C0 87 C8C8	5125	HE003599 B HE000200 RETURN TO MAINLINE	16650000
19				
20				

D20

PAGE 88	V09/11/81	12/05/81	12:00
*****		05520000	
	*	05530000	
ENT FROM PRIME	*	05540000	
	*	05550000	
	*	05560000	
*****		05570000	
TABLE ENTRY		05590000	
DISPLACEMENT		05610000	

\$HELP SYSTEM/34 HELP UTILITY	PAGE 89	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		3871 */*	START OF SPECIFICATIONS *****	06010000
		3872 */*		06020000
		3873 */*	ROUTINE NAME = HE001100	06030000
03		3874 */*		06040000
		3875 */*	STATUS = RELEASE 6	06050000
		3876 */*		06060000
04		3877 */*	FUNCTION = REVERSE COMPRESSION MASK FOR 960 DISPLAY SCREENS	06070000
		3878 */*		06080000
		3879 */*	INPUT = HECPMYSK,HETYPE	06090000
05		3880 */*		06100000

\$HELP SYSTEM/34	ERR LOC OBJECT		
02			
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04			
05			
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07			
08	D18B C0 87 C		
09	D18F 8D 07 1		
	D194 F2 81 0		
10			
11	D197 3C 02 D		
	D198 F2 87 0		
12	D19E 3C 01 D		
	D1A2 C0 87 C		
13	D1A6 C0 87 C		
14			
15			
16			
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\$HELP SYSTEM/34	ERR LOC OBJECT		
02			
03			
04			
05			

02483	24628800
16	D765 0000 D766 6359 HEWKFMIB DC AL2(*)
	D767 EDF8 D768 6360 HEFMTBEG DC AL2(HEINDEX)
	D769 0000 D76A 6361 HEFMTEND DC AL2(*)
17	D76B 0008 D76C 6362 HECTBLEN DC AL2(HEBTLEN)
	D76D 0010 D76E 6363 HECFMTLN DC AL2(FMTLEN)
	D76F C8C8 D770 6364 HERETURN DC AL2(HE000200)
18	D771 4040404040404040 D778 6365 HEFORMAT DC CL8'
	D779 4040404040404040 D780 6366 HEPARMSV DC CL8'
19	
20	

			25040000		16
			25060000		
			25070000		
			25080000		17
			25090000		
			25100000		
			25105000		18
					19
					20

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*****	16340000		
*/	16350000		
*/	16360000		
*/	16370000		
*/	16380000		
*/	16390000		
*/	16400000		
*/	16410000		
*/	16420000		
*/	16430000		
ON BUFFER	*/	16440000	
*/	16450000		
*/	16460000		
*/	16470000		
*/	16480000		
*/	16490000		
*****	16500000		
R '11' ?	16520000		
	16530000		
FILE ?	16541000		
2ND SCREEN	16542000		
KUP ?	16544000		
2ND SCREEN	16545000		
FILE ?	16547000		
2ND SCREEN	16548000		
M HAVE A	16550000		
TE DRIVE ?	16560000		
	16570000		
PPSA	16590000		
NT COUNTER	16610000		
FORMAT	16630000		
	16650000		

\$HELP SYSTEM/34 HELP UTILITY	PAGE 126	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		5127 */*	START OF SPECIFICATIONS	16670000
		5128 */*		16680000
03		5129 */*	ROUTINE NAME = HE003600	16690000
		5130 */*		16700000
		5131 */*	STATUS = RELEASE 3	16710000
		5132 */*		16720000
04		5133 */*	FUNCTION = PROCESS PARAMETERS FOR ORGANIZE PROCEDURE	16730000
		5134 */*		16740000
		5135 */*	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	16750000
05		5136 */*		16760000
		5137 */*	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	16770000
		5138 */*		16780000
06		5139 */*	EXITS = RETURN TO MAINLINE	16790000
		5140 */*		16800000
07		5141 */*	CHANGE ACTIVITY = 04/10/78 NJB	16810000
		5142 */*		16820000
		5143 */*	END OF SPECIFICATIONS	16830000
08	D188 C0 87 CCE8	5145	HE003600 B HE002100 SAVE PARAMETERS IN PPSA	16850000
09	D18F 8D 07 17 D85C	5147	CLC HEPARM3*7(C,XR2),HE11 IS THE 3RD PARAMETER '11' ?	16870000
	D194 F2 81 07	5148	JE HE003610 YES - CONTINUE	16880000
10	D197 3C 02 D73D	5150	MVI HESRCHDP,TWD MOVE 2 TO DISPLACEMENT COUNTER	16900000
	D198 F2 87 04	5151	J HE003620 CONTINUE	16910000
11	D19E 3C 01 D73D	5153	HE003610 MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER	16930000
12	D1A2 C0 87 CB72	5155	HE003620 B HE002000 LOOK UP AND DISPLAY FORMAT	16950000
13	D1A6 C0 87 C8C8	5157	B HE000200 RETURN TO MAINLINE	16970000
14				
15				
16				
17				
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D21

PAGE 89	V09/11/81	12/05/81	12:00
*****	06010000		
*/	06020000		
*/	06030000		
*/	06040000		
*/	06050000		
*/	06060000		
REENS	*/	06070000	
*/	06080000		
*/	06090000		
*/	06100000		

\$HELP SYSTEM/34 HELP UTILITY	PAGE 90	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		3913		06280500
		3914 *		06281000
03		3915 *	IF THIS IS AN OCL SCREEN, THE FIRST THREE BITS OF THE	06281500
		3916 *	COMPRESS MASK MUST BE RESTORED AFTER BEING REVERSED.	06282000
		3917 *		06282500
04		3918 *	IF THIS IS A PCE SCREEN, THE FIRST TWO BITS OF THE	06283000
		3919 *	COMPRESS MASK MUST BE RESTORED AFTER BEING REVERSED.	06283500
		3920 *		06284000
		3921 *	FOR ALL OTHER TYPES OF SCREENS, THE FIRST FOUR BITS OF	06284500
05		3922 *	THE COMPRESS MASK MUST BE RESTORED AFTER BEING REVERSED.	06285000
				CABF B8 80 51
				CAC2 F2 10 00

\$HELP SYSTEM/34 H	ERR LOC OBJECT COO
02	
03	
04	
05	
06	
07	
08	D1AA BD 40 08
	D1AD F2 01 33
09	D180 BD 40 00
	D183 F2 01 2D
10	D186 3C 01 D73D
11	D18A C0 87 CB72
12	D18E BD E2 08
	D1C1 F2 81 08
13	D1C4 C2 01 D97C
	D1C8 C0 87 CD41
15	D1CC F2 87 9E

\$HELP SYSTEM/34 HE	ERR LOC OBJECT CODE
02	
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05	

ADDRESS	25040000
SS	25050000
ENTRY	25070000
ENTRY	25080000
TURN	25090000
AREA	25100000
	25105000

16	D7BC 0000000000000000 D7C8 6407 DC XL13'00'	25450000
17	D7C4 0000000000 6407	25460000
18		
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E22

AGE 126 V09/11/81 12/05/81 12:00
*****/ 16670000
*/ 16680000
*/ 16690000
*/ 16700000
*/ 16710000
*/ 16720000
*/ 16730000
*/ 16740000
*/ 16750000
*/ 16760000
BUFFER */ 16770000
*/ 16780000
*/ 16790000
*/ 16800000
*/ 16810000
*/ 16820000
*/ 16830000
A 16850000
11' ? 16870000
16880000
COUNTER 16900000
16910000
COUNTER 16930000
16950000
16970000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 127 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	*****/	5159 */* START OF SPECIFICATIONS *****/	16990000
	*/	5160 */* */	17000000
03	*/	5161 */* ROUTINE NAME = HEO03700	17010000
	*/	5162 */* */	17020000
	*/	5163 */* STATUS = RELEASE 3	17030000
	*/	5164 */* */	17040000
04	*/	5165 */* FUNCTION = PROCESS PARAMETERS FOR OVERRIDE PROCEDURE	17050000
	*/	5166 */* */	17060000
	*/	5167 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	17070000
05	*/	5168 */* */	17080000
	*/	5169 */* OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	17090000
	*/	5170 */* */	17100000
06	*/	5171 */* EXITS = RETURN TO MAINLINE	17110000
	*/	5172 */* */	17120000
	*/	5173 */* CHANGE ACTIVITY = 09/04/81 RPL	17130000
07	*/	5174 */* */	17140000
	*/	5175 */* END OF SPECIFICATIONS *****/	17150000
08	D1AA BD 40 08	5177 HEO03700 CLI HEPARM2(C,XR2),BLANK 2ND PARAMETER BLANK ?	17170000
	D1AD F2 01 33	5178 JNE HEO03720 NO - CONTINUE	17180000
09	D1B0 BD 40 00	5180 CLI HEPARM1(C,XR2),BLANK 1ST PARAMETER BLANK ?	17200000
	D1B3 F2 01 2D	5181 JNE HEO03720 NO - CONTINUE	17210000
10	D1B6 3C 01 D73D	5183 MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER	17230000
	D1BA C0 87 CB72	5185 B HEO02000 LOOK UP AND DISPLAY FORMAT	17250000
11	D1BE BD E2 08	5187 CLI HEPARM2(C,XR2),C'S' LINE-S ?	17300000
	D1C1 F2 81 08	5188 JE HEO03710 YES - CONTINUE	17310000
12	D1C4 C2 01 D97C	5190 LA HEOV2TBL,XR1 XR1 --> OVERRIDE KEYWORD TABLE	17330000
	D1C8 C0 87 CD41	5191 B HEO02200 PROCESS KEYWORD PARAMETERS	17340000
13	D1CC F2 87 9E	5193 J HEO03799 CONTINUE	17360000
14			
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D22

AGE 90 V09/11/81 12/05/81 12:00
***** 06280500
* 06281000
* 06281500
* 06282000
* 06282500
* 06283000
* 06283500
* 06284000
* 06284500

\$HELP SYSTEM/34 HELP UTILITY		PAGE 91 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	*****	3956 *****	06401000
	*	3957 * *	06402000
03	*	3958 * INSURE THAT 12 BITS ARE LEFT ON IN THE REVERSED COMPRESS	06403000
	*	3959 * MASK. IF 12 BITS ARE NOT ALREADY ON, SET ON ADDITIONAL	06404000
	*	3960 * BITS AS REQUIRED.	06405000
	*	3961 * *	06406000
04	*	3962 *****	06407000
	* OF	CABF 88 80 51 3964 HEO01150 TBN HEWORK+3(C,XR2),X'80' MASK BIT ON ?	06430000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	D1CF C2 01 D97C	D1D3 C0 87 CD41	
03	D1D7 C0 87 CCE8		
04	D1DB 3C 03 D73D	D1DF C0 87 D246	
05	D1E3 BD 4C 08	D1E6 F2 81 0C	
06	D1E9 AC 47 57 4F	D1ED 8C 07 0F D84C	
	D1F2 F2 87 07		
09	D1F5 E2 01 08	D1F8 C0 87 CE9C	
10	D1FC BD 40 00	D1FF F2 81 0C	
11	D202 AC 4F 57 4F	D206 8C 07 07 D854	
	D208 F2 87 07		
12	D20E E2 01 00	D211 C0 87 CE9C	

\$HELP SYSTEM/34 HELP UTILITY		PAGE 91 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02			
03			
04			

25450000
25460000

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E23

AGE 127 V09/11/81 12/05/81 12:00
*****/ 16990000
*/ 17000000
*/ 17010000
*/ 17020000
*/ 17030000
*/ 17040000
*/ 17050000
*/ 17060000
*/ 17070000
*/ 17080000
*/ 17090000
BUFFER */ 17100000
*/ 17110000
*/ 17120000
*/ 17130000
*/ 17140000
*/ 17150000
*****/ 17170000
17180000
17200000
17210000
COUNTER 17230000
PRMAT 17250000
17300000
17310000
RD TABLE 17330000
TERS 17340000
17360000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 128 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	D1CF C2 01 D97C	5195 HE003710 LA HE0V2TBL,XR1	XR1 --> OVERRIDE KEYWORD TABLE
	D1D3 CO 87 CD41	5196 B HE002200	PROCESS KEYWORD PARAMETERS
03	D1D7 CO 87 CCE8	5198 B HE002100	SAVE PARAMETERS IN PPSA
04	D1DB 3C 03 D73D	5200 MVI HESRCHDP,THREE	MOVE 3 TO DISPLACEMENT COUNTER
	D1DF CO 87 D246	5201 B HE003790	CONTINUE
05	D1E3 BD 40 08	5203 HE003720 CLI HEPARM2(,XR2),BLANK	2ND PARAMETER BLANK ?
	D1E6 F2 81 0C	5204 JE HE003730	YES - CONTINUE
07	D1E9 AC 47 57 4F	5206 MVC 87(72,XR2),79(,XR2)	PUSH PARAMETERS
	D1ED 8C 07 0F D84C	5207 MVC HEPARM2+7(8,XR2),HEREMID	MOVE 'REMID' TO 2ND PARM
	D1F2 F2 87 07	5208 J HE003740	CONTINUE
09	D1F5 E2 01 08	5210 HE003730 LA HEPARM2(,XR2),XR1	XR1 --> 2ND PARAMETER
	D1FH CJ 87 CE9C	5211 B HE002500	PULL PARAMETERS
10	D1FC BD 40 00	5213 HE003740 CLI HEPARM1(,XR2),BLANK	1ST PARAMETER BLANK ?
	D1FF F2 81 0C	5214 JE HE003750	YES - CONTINUE
11	D202 AC 4F 57 4F	5216 MVC 87(80,XR2),79(,XR2)	PUSH PARAMETERS
	D206 8C 07 07 D854	5217 MVC HEPARM1+7(8,XR2),HELOCID	MOVE 'LOCID' TO 1ST PARM
	D208 F2 87 07	5218 J HE003760	CONTINUE
13	D20E E2 01 00	5219 HE003750 LA HEPARM1(,XR2),XR1	XR1 --> 1ST PARAMETER
	D211 CO 87 CE9C	5220 B HE002500	PULL PARAMETERS

\$HELP SYSTEM/34 HEL	
01	ERR LOC OBJECT CODE
02	D215 CO 87 CCE8
03	D219 3C 02 D73D
	D21D CO 87 CB72
04	D221 BD E2 00
	D224 F2 81 0B
05	D227 C2 01 D985
	D228 CO 87 CD41
07	D22F F2 87 38
08	D232 3A 01 D781
	D236 C2 01 D985
	D23A CO 87 CD41
09	D23E CO 87 CCE8
10	D242 3C 04 D73D
	D246 CO 87 CB72
12	D24A C2 01 D9E6
	D24E CO 87 CD41
13	D252 C2 02 D683
	D256 B5 02 21
15	D259 38 01 D781
	D25D F2 90 00
16	D260 38 01 D781
	D264 2C 07 D733 07
17	D269 CO 87 D5CD
18	D26D CO 87 C8C8
19	
20	

D23

AGE 91 V09/11/81 12/05/81 12:00
***** 06401000
* 06402000
RESS * 06403000
AL * 06404000
* 06405000
* 06406000
***** 06407000
06430000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		3988 */* START OF SPECIFICATIONS *****/	06500000
		3989 */* */	06510000
		3990 */* ROUTINE NAME = HE001200	06520000
03		3991 */* */	06530000
		3992 */* STATUS = RELEASE 3	06540000
		3993 */* */	06550000
04		3994 */* FUNCTION = INSURE THAT ALL MANDATORY FIELDS ARE PRESENT	06560000
		3995 */* */	06570000
		3996 */* INPUT = MANDATORY FIELD MASK, WORKSTATION BUFFER	06580000

\$HELP SYSTEM/34 HEL	
01	ERR LOC OBJECT CODE
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04	CB08 CO 87 CB34
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D808 D8B1 D800 F82F
D80F 03 D810 D8B9 D812 F83F
D814 03 D815 F40F D817 F60F
D819 04 D81A F43F

E24

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KEYWORD TABLE 17380000 PARAMETERS 17390000
PPSA 17410000
MENT COUNTER 17430000 17440000
K ? 17460000 17470000
TO 2ND PARM 17490000 17500000 17510000
TER 17530000 17540000
K ? 17560000 17570000
17590000
TO 1ST PARM 17600000 17610000
TER 17630000 17640000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 129 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02 D215 CO 87 CCE8 5223 HE003760 B HE002100 SAVE PARAMETERS IN PPSA 17660000	
03 D219 3C 02 D73D 5225 MVI HESRCHDP,TWD MOVE 2 TO DISPLACEMENT COUNTER 17680000 D21D CO 87 CB72 5226 HE003770 B HE002000 LOOK UP AND DISPLAY FORMAT 17690000	
04 D221 BD E2 00 5228 CLI HEPARM1(C, XR2),C'S' LINE-S ? 17710000 D224 F2 81 08 5229 JE HE003780 YES - CONTINUE 17720000	
06 D227 C2 01 D9B5 5231 LA HE0V3TBL,XR1 XR1 --> OVERRIDE KEYWORD TABLE 17740000 D228 CO 87 CD41 5232 B HE002200 PROCESS KEYWORD PARAMETERS 17750000	
07 D22F F2 87 38 5234 J HE003799 CONTINUE 17770000	
08 D232 3A 01 D781 5236 HE003780 SRN HESWITCH,HE11PARM SET OVERRIDE PROC = 11 PARMs 17785000 D236 C2 01 D9B5 5237 LA HE0V3TBL,XR1 XR1 --> OVERRIDE KEYWORD TABLE 17790000 D23A CO 87 CD41 5238 B HE002200 PROCESS KEYWORD PARAMETERS 17800000	
09 D23E CO 87 CCE8 5240 B HE002100 SAVE PARAMETERS IN PPSA 17820000	
10 D242 3C 04 D73D 5242 MVI HESRCHDP,FOUR MOVE 4 TO DISPLACEMENT COUNTER 17840000	
11 D246 CO 87 CB72 5244 HE003790 B HE002000 LOOK UP AND DISPLAY FORMAT 17860000	
12 D24A C2 01 D9E6 5246 LA HESWTBL,XR1 XR1 --> SWITCH- KEYWORD TABLE 17880000 D24E CO 87 CD41 5247 B HE002200 PROCESS KEYWORD PARAMETERS 17890000	
14 D252 C2 02 D683 5249 LA HEWSDTF,XR2 XR2 --> WORKSTATION DTF 17891800 D256 B5 02 21 5250 L \$MSRECA(C, XR2),XR2 XR2 --> WORKSTATION BUFFER 17892700	
15 D259 38 01 D781 5252 TBN HESWITCH,HE11PARM THIS OVERRIDE HAVE 11 PARMs ? 17894500 D25D F2 90 0D 5253 JF HE003799 NO - CONTINUE 17895400	
16 D260 38 01 D781 5254 SBF HESWITCH,HE11PARM RESET NULL PARM INDICATOR 17896300 D264 2C 07 D733 07 5255 MVC PARM11+7(8),HEPARM1+7(C,XR2) 17897200 5256 * MOVE 11TH PARM TO SAVE AREA 17898100	
17 D269 CO 87 D5CD 5257 B HE005500 PUT PARM IN LOCAL AREA 17899000	
18 D26D CO 87 C8C8 5259 HE003799 B HE000200 RETURN TO MAINLINE 17910000	

\$HELP SYSTEM/34
ERR LOC OBJECT C
D271 8D 07 OF D276 F2 81 07
D279 E2 01 08 D27C CO 87 CE
D280 CO 87 C8

D24

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*****/ */ 06500000 */ 06510000 */ 06520000 */ 06530000 */ 06540000 */ 06550000 */ 06560000 */ 06570000 */ 06580000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 93 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02 4021 ***** 06860000 4022 * * 06870000 4023 * A REQUIRED PARAMETER IS MISSING * 06880000 4024 * * 06890000 4025 ***** 06900000	
04 CB08 CO 87 CB34 4027 B HE001300 SET ON SFGR INDICATOR 06920000	

\$HELP SYSTEM/34
ERR LOC OBJECT C

16	D80B D8B1 D80D F82F	D80C 6493 D80E 6494	DC DC	AL2(HESLAS) AL2(SLASSTR*FMLEN+HEFMTNAM)	26320000 26330000
17	D80F 03 D810 D8B9 D812 F83F	D80F 6496 D811 6497 D813 6498	DC DC DC	AL1(HEOCL) AL2(HESLAS) AL2(SLASAS*FMLEN+HEFMTNAM)	26350000 26360000 26370000
18	D814 03 D815 F4DF	D814 6500 D816 6501	DC DC	AL1(HEOCL) AL2(OFF*FMLEN+HEFMTNAM)	26382000 26384000
19	D817 F6DF D819 04	D818 6502 D819 6504	DC DC	AL2(OFF2*FMLEN+HEFMTNAM) AL1(HEPCE)	26386000 26390000
20	D81A F43F	D81B 6505	DC	AL2(CANCEL*FMLEN+HEFMTNAM)	26400000

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17660000	
17680000	ENTER
17690000	
17710000	
17720000	
17740000	ABLE
17750000	
17770000	
17785000	MS
17790000	ABLE
17800000	
17820000	
17840000	ENTER
17860000	
17880000	ABLE
17890000	
17891800	
17892700	
17894500	S ?
17895400	
17896300	
17897200	
17898100	A
17899000	
17910000	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY PAGE 130 V09/11/81 12/05/81 12:00	
02		5261	*/	START OF SPECIFICATIONS *****/	17930000
		5262	*/	*/	17940000
03		5263	*/	ROUTINE NAME = HEO03800	17950000
		5264	*/	*/	17960000
		5265	*/	STATUS = RELEASE 3	17970000
		5266	*/	*/	17980000
04		5267	*/	FUNCTION = PROCESS PARAMETERS FOR REMOVE & LISTLIBR PROCEDURES	17990000
		5268	*/	*/	18000000
		5269	*/	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	18010000
05		5270	*/	*/	18020000
		5271	*/	OUTPUT = PARAMETERS ARE SAVED IN THE WORK STATION BUFFER	18030000
		5272	*/	*/	18040000
06		5273	*/	EXITS = RETURN TO MAINLINE	18050000
		5274	*/	*/	18060000
		5275	*/	CHANGE ACTIVITY = 04/10/78 NJB	18070000
		5276	*/	*/	18080000
07		5277	*/	END OF SPECIFICATIONS *****/	18090000
08	D271 8D 07 OF D864	5279	HEO03800	CLC HEPARM2+7(8,XR2),HEALL IS THE 2ND PARAMETER 'ALL' ?	18110000
	D276 F2 81 07	5280	JE	HEO03899 YES - CONTINUE	18120000
09	D279 E2 01 08	5282	LA	HEPARM2(,XR2),XR1 XR1 --> 2ND PARAMETER IN BUFFER	18140000
	D27C C0 87 CE9C	5283	B	HEO02500 PULL PARAMETERS DOWN	18150000
10	D280 C0 87 C8C8	5285	HEO03899	B HEO00200 RETURN TO MAINLINE	18170000
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93	V09/11/81 12/05/81 12:00
06860000	*****
06870000	*
06880000	*
06890000	*
06900000	*****
06920000	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY PAGE 94 V09/11/81 12/05/81 12:00	
02		4043	*/	START OF SPECIFICATIONS *****/	07110200
		4044	*/	*/	07110400
03		4045	*/	ROUTINE NAME = HEO01300	07110600
		4046	*/	*/	07110800
		4047	*/	STATUS = RELEASE 6	07111000
		4048	*/	*/	07111200
04		4049	*/	FUNCTION = SET SPECIFIED SFGR INDICATOR	07111400
		4050	*/	*/	07111600
		4051	*/	INPUT = INDICATOR NUMBER IN HEIND#	07111800

01				\$HELP SYSTEM/34 HELP UTILITY	
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08				D284 C0 87 CCE8	
09				D288 8D 07 07 D864 D28D F2 81 07	
10				D290 3C 02 D73D D294 F2 87 04	
11				D297 3C 01 D73D	
12				D298 C0 87 CB72	
13				D29F C0 87 C8C8	
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09/11/81 12/05/81 12:00
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\$HELP SYSTEM/34 HELP UTILITY				PAGE 131 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
			5287 */* START OF SPECIFICATIONS *****/		18190000
			5288 */* */		18200000
			5289 */* ROUTINE NAME = HE003900		18210000
			5290 */* */		18220000
			5291 */* STATUS = RELEASE 3		18230000
			5292 */* */		18240000
			5293 */* FUNCTION = PROCESS PARAMETERS FOR RESTORE PROCEDURE		18250000
			5294 */* */		18260000
			5295 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER		18270000
			5296 */* */		18280000
			5297 */* OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER		18290000
			5298 */* */		18300000
			5299 */* EXITS = RETURN TO MAINLINE		18310000
			5300 */* */		18320000
			5301 */* CHANGE ACTIVITY = 04/10/78 NJB		18330000
			5302 */* */		18340000
			5303 */* END OF SPECIFICATIONS *****/		18350000
08	D284 C0 87 CCE8	5305	HE003900 B HE002100 SAVE PARAMETERS IN PPSA		18370000
09	D288 8D 07 07 D864 D28D F2 81 07	5307 5308	CLC HEPARM1+7(C8,XR2),HEALL IS THE 1ST PARAMETER 'ALL' ? JE HE003910 YES - CONTINUE		18390000 18400000
10	D290 3C 02 D73D D294 F2 87 04	5310 5311	MVI HESRCHDP,TWD MOVE 2 TO DISPLACEMENT COUNTER J HE003920 CONTINUE		18420000 18430000
12	D297 3C 01 D73D D298 C0 87 CB72	5313 5315	HE003910 MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER HE003920 B HE002000 LOOK UP AND DISPLAY FORMAT		18450000 18470000
13	D29F C0 87 C8C8	5317	B HE000200 RETURN TO MAINLINE		18490000
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07111800
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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
			4087 */* START OF SPECIFICATIONS *****/		07120000
			4088 */* */		07130000
			4089 */* ROUTINE NAME = HE002000		07140000
			4090 */* */		07150000
			4091 */* STATUS = RELEASE 3		07160000
			4092 */* */		07170000
			4093 */* FUNCTION = DISPLAY FORMAT		07180000
			4094 */* */		07190000
			4095 */* INPUT = HEFORMAT CONTAINS THE FORMAT NAME TO BE DISPLAYED		07200000

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\$HELP SYSTEM/34 HELP UTILITY

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02	*****/ */ 18190000 */ 18200000 */ 18210000 */ 18220000 */ 18230000 */ 18240000 */ 18250000 */ 18260000 */ 18270000 */ 18280000 ER */ 18290000 */ 18300000 */ 18310000 */ 18320000 */ 18330000 */ 18340000 *****/ 18370000 ? 18390000 18400000 ENTER 18420000 18430000 ENTER 18450000 18470000 18490000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		5319	*/	START OF SPECIFICATIONS *****/	18510000
		5320	*/	*/	18520000
03		5321	*/	ROUTINE NAME = HE004000	18530000
		5322	*/	*/	18540000
		5323	*/	STATUS = RELEASE 3	18550000
		5324	*/	*/	18560000
04		5325	*/	FUNCTION = PROCESS PARAMETERS FOR SAVE PROCEDURE	18570000
		5326	*/	*/	18580000
05		5327	*/	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	18590000
		5328	*/	*/	18600000
		5329	*/	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	18610000
06		5330	*/	*/	18620000
		5331	*/	EXITS = RETURN TO MAINLINE	18630000
		5332	*/	*/	18640000
07		5333	*/	CHANGE ACTIVITY = 04/10/78 NJB	18650000
		5334	*/	*/	18660000
		5335	*/	END OF SPECIFICATIONS *****/	18670000
08	D2A3 C0 87 CCE8	5337	HE004000 B	HE002100 SAVE PARAMETERS IN PPSA	18690000
09	D2A7 8D 07 07 D864 D2AC F2 81 07	5339 5340	CLC JE	HEPARM1+7(8,XR2),HEALL IS THE .ST PARAMETER 'ALL' ? HE004010 YES - CONTINUE	18710000 18720000
10	D2AF 3C 01 D73D D2B3 F2 87 04	5342 5343	MVI J	HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER HE004020 CONTINUE	18740000 18750000
11					
12	D2B6 3C 02 D73D D2BA C0 87 CB72	5345 5347	MVI B	HESRCHDP,TWO MOVE 2 TO DISPLACEMENT COUNTER HE002000 LOOK UP AND DISPLAY FORMAT	18770000 18790000
13	D2BE C0 87 C8C8	5349	B	HE000200 RETURN TO MAINLINE	18810000
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08	D2C2 C0 87 CCE8
09	D2C6 8D 07 07 D85C D2CB F2 01 22
10	D2CE 3C 01 D73D
11	D2D2 C0 87 CB72
12	D2D6 C0 87 CCE8
13	D2DA 8D 07 07 D874 D2DF F2 81 07
14	D2E2 3C 03 D73D D2E6 F2 87 2A
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\$HELP SYSTEM/34 HELP UTILITY

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02	*****/ */ 07120000 */ 07130000 */ 07140000 */ 07150000 */ 07160000 */ 07170000 */ 07180000 */ 07190000 */ 07200000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	CBBB 3B 04 D781	4137	HE002020 SBF	HESWITCH,HERDN960 RESET 960 ROLL DOWN	07557000
		4139	*	\$WSIO OPC-PTI,OUTLEN=88,RCAD=HEWSBUFF	07560000
03	CBBF BC 07 1D CBC2 C2 01 0058	4140 4141	MVI LA	\$WSOPC(,2),07 SET SPECIFIED OPERATION CODE 88,1 LOAD OUTPUT LENGTH INTO XR1	
	CBC6 B4 01 1F	4142	ST	\$WSOUTL(,2),1 STORE OUTPUT LENGTH IN DTF	
04	CBC9 C2 01 ECFO CBCD B4 01 21	4143 4144	LA ST	HEWSBUFF,1 LOAD RECORD AREA ADDRESS IN XR1 \$WSRECA(,2),1 STORE RECORD AREA ADDRESS IN DTF	
	CBD0 F4 01 04	4145	SVC	X'04',X'01' CALL WORK STATION DATA MGMT.	

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04	CC18 BD 31 26 CC1B C0 81 CECO
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*/	18600000
*/	18610000
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*/	18640000
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*/	18660000
***/	18670000
18690000	
18710000	
18720000	
ER	18740000
18750000	
ER	18770000
18790000	
18810000	

01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02				5351	*/ START OF SPECIFICATIONS *****/	18830000
				5352	*/ */	18840000
03				5353	*/ ROUTINE NAME = HE004100	18850000
				5354	*/ */	18860000
04				5355	*/ STATUS = RELEASE 6	18870000
				5356	*/ */	18880000
05				5357	*/ FUNCTION = PROCESS PARAMETERS FOR TRANSFER PROCEDURE	18890000
				5358	*/ */	18900000
06				5359	*/ INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	18910000
				5360	*/ */	18920000
07				5361	*/ OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	18930000
				5362	*/ */	18940000
08				5363	*/ EXITS = RETURN TO MAINLINE	18950000
				5364	*/ */	18960000
09				5365	*/ CHANGE ACTIVITY = 01/15/80 RSH	18970000
				5366	*/ */	18980000
10				5367	*/ END OF SPECIFICATIONS *****/	18990000
08	D2C2	CO 87 CCE8	5369	HE004100 B	HE002100 SAVE PARAMETERS IN PPSA	19010000
09	D2C6	BD 07 OF D85C	5371	CLC	HEPARM2+7(8, XR2), HE11 IS THE 2ND PARAMETER 'I1'	19030000
	D2CB	F2 01 22	5372	JNE	HE004120 NO - CONTINUE	19040000
10	D2CE	3C 01 D73D	5374	MVI	HESRCHDP, ONE MOVE 1 TO DISPLACEMENT COUNTER	19060000
11	D2D2	CO 87 CB72	5376	B	HE002000 LOOK UP AND DISPLAY FORMAT	19080000
12	D2D6	CO 87 CCE8	5378	B	HE002100 SAVE PARAMETERS IN PPSA	19100000
13	D2DA	BD 07 OF D874	5380	CLC	HEPARM2+7(8, XR2), HEADD IS THE 2ND PARAMETER 'ADD' ?	19120000
	D2DF	F2 81 07	5381	JE	HE004110 YES - CONTINUE	19130000
14	D2E2	3C 03 D73D	5383	MVI	HESRCHDP, THREE MOVE 3 TO DISPLACEMENT COUNTER	19150000
	D2E6	F2 87 2A	5384	J	HE004130 CONTINUE	19160000

01	\$HELP SYSTEM/34 HELP UTILIT	
ERR LOC	OBJECT CODE	ADDR
02	D2E9	3C 02 D73D
	D2ED	F2 87 23
03	D2FO	3C 04 D73D
04	D2F4	38 40 008C
05	D2F8	F2 10 18
06	D2FB	3C 05 D73D
	D2FF	CO 87 CB72
07	D303	AC 1F 57 47
	D307	8C 07 37 D781
	D30C	AC 07 2F 37
08	D310	F2 87 04
09	D313	CO 87 CB72
10	D317	CO 87 C8C8

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07557000	
07560000	

01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02				4185	*****	07850000
				4186	*	07860000
03				4187	* CHECK COMMAND KEYS	07870000
				4188	*	07880000
				4189	*****	07890000
04	CC18	BD 31 26	4191	HE002040 CLI	\$WSAID(, XR2), \$AIDCMCI COMMAND KEY 1 PRESSED ?	07910000
	CC1B	CO 81 CECO	4192	BE	HE002600 YES - PUT UP THEKEYDSC FORMAT	07920000

01	\$HELP SYSTEM/34 HELP UTILIT	
ERR LOC	OBJECT CODE	ADDR
02	CC47	BD F5 26
	CC4A	F2 01 1E
03	CC4D	38 02 D781
	CC51	F2 90 0F
04	CC54	38 40 D734

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DISPLACEMENT COUNTER	19180000 19190000
DISPLACEMENT COUNTER	19210000
HAVE A DISKETTE DRIVE ?	19220600 19221200 19221800
DISPLACEMENT COUNTER	19223000
DISPLACEMENT COUNTER	19224200
DISPLACEMENT COUNTER	19225400
DISPLACEMENT COUNTER	19226000
DISPLACEMENT COUNTER	19226600 19227800
DISPLACEMENT COUNTER	19230000
DISPLACEMENT COUNTER	19250000
DISPLACEMENT COUNTER	19300000
DISPLACEMENT COUNTER	19320000
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DISPLACEMENT COUNTER	19400000
DISPLACEMENT COUNTER	19410000
DISPLACEMENT COUNTER	19420000
DISPLACEMENT COUNTER	19430000
DISPLACEMENT COUNTER	19450000
DISPLACEMENT COUNTER	19460000
DISPLACEMENT COUNTER	19480000
DISPLACEMENT COUNTER	19500000
DISPLACEMENT COUNTER	19510000
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DISPLACEMENT COUNTER	19990000

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ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	5409 */*	START OF SPECIFICATIONS *****/	19270000
	5410 */*	*/	19280000
03	5411 */*	ROUTINE NAME = HE004200	19290000
	5412 */*	*/	19300000
04	5413 */*	STATUS = RELEASE 3	19310000
	5414 */*	*/	19320000
05	5415 */*	FUNCTION = PROCESS PARAMETERS FOR BLDLIBR PROCEDURE	19330000
	5416 */*	*/	19340000
06	5417 */*	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	19350000
	5418 */*	*/	19360000
07	5419 */*	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	19370000
	5420 */*	*/	19380000
08	5421 */*	EXITS = RETURN TO MAINLINE	19390000
	5422 */*	*/	19400000
09	5423 */*	CHANGE ACTIVITY = 07/10/78 RSH	19410000
	5424 */*	*/	19420000
10	5425 */*	END OF SPECIFICATIONS *****/	19430000
08	D318 BD 40 20	5427 HE004200 CLI HEPARM5(<,XR2),BLANK 5 TH PARAMETER BLANK ?	19450000
	D31E F2 81 27	5428 JE HE004299 YES - CONTINUE	19460000
09	D321 CO 87 CCE8	5430 B HE002100 SAVE PARAMETERS IN PPSA	19480000
10	D325 3C 01 D73D	5432 MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER	19500000
	D329 CO 87 CB72	5433 B HE002000 LOOK UP AND DISPLAY FORMAT	19510000
11	D320 8D 07 07 D85C	5435 CLC HEPARM1+7(<,XR2),HEI1 1ST PARAMETER '11' ?	19530000
	D332 F2 01 13	5436 JNE HE004299 NO - CONTINUE	19540000
12	D335 38 40 008C	5438 TBN NUBSCA+SCADCSP1,SCAMARNR DOES THE SYSTEM HAVE A	19560000
	5439 *	MAGAZINE DISKETTE DRIVE ?	19570000
	D339 F2 90 0C	5440 JF HE004299 NO - CONTINUE	19580000
13	D33C CO 87 CCE8	5442 B HE002100 SAVE PARAMETERS IN THE PPSA	19600000
14	D340 3C 02 D73D	5444 MVI HESRCHDP,TWO MOVE 2 TO DISPLACEMENT COUNTER	19620000
	D344 CO 87 CB72	5445 B HE002000 LOOK UP AND DISPLAY FORMAT	19630000
15	D348 CO 87 C8C8	5447 HE004299 B HE000200 RETURN TO MAINLINE	19650000

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DISPLACEMENT COUNTER	08090000 08100000
DISPLACEMENT COUNTER	08120000 08130000
DISPLACEMENT COUNTER	08150000 08160000
DISPLACEMENT COUNTER	08180000
DISPLACEMENT COUNTER	08200000
DISPLACEMENT COUNTER	08220000
DISPLACEMENT COUNTER	08240000
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DISPLACEMENT COUNTER	08300000
DISPLACEMENT COUNTER	08320000
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DISPLACEMENT COUNTER	08600000
DISPLACEMENT COUNTER	08620000
DISPLACEMENT COUNTER	08640000
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DISPLACEMENT COUNTER	08720000
DISPLACEMENT COUNTER	08740000
DISPLACEMENT COUNTER	08760000
DISPLACEMENT COUNTER	08780000
DISPLACEMENT COUNTER	08800000
DISPLACEMENT COUNTER	08820000
DISPLACEMENT COUNTER	08840000
DISPLACEMENT COUNTER	08860000
DISPLACEMENT COUNTER	08880000
DISPLACEMENT COUNTER	08900000
DISPLACEMENT COUNTER	08920000
DISPLACEMENT COUNTER	08940000
DISPLACEMENT COUNTER	08960000
DISPLACEMENT COUNTER	08980000
DISPLACEMENT COUNTER	09000000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 99 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	CC68 BD F4 26	4227 HE002060 CLI %USAIDC,XR2),%AIDRLDN ROLL DOWN KEY PRESSED ?	08250000
	CC6E F2 01 22	4228 JNE HE002070 NO - CONTINUE	08260000
03	CC71 38 02 D781	4230 TBN HESWITCH,HE96OSCR WS HAVE A 960 SCREEN ?	08280000
	CC75 F2 90 13	4231 JF HE002065 NO - CONTINUE	08290000
04	CC78 3A 04 D781	4233 SBN HESWITCH,HERDN960 SET FOR 960 ROLL DOWN	08303000

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	
02	
03	
04	
05	
06	
07	
08	D34C 8D 07 07 D85C D351 F2 81 07
09	D354 3C 02 D73D D358 F2 87 08
10	D35B 38 40 008C D35F F2 90 1D
11	D362 3C 01 D73D
12	D366 CO 87 CCE8
13	D36A CO 87 CB72
14	D36E 8D 07 07 D89C D373 F2 81 09
15	D376 AC 4F 57 4F D37A 8C 07 07 D78C
16	D37F CO 87 C8C8
17	
18	
19	
20	

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	
02	CC93 B5 02 21
03	CC96 38 20 D734 CC9A CO 10 CBDC
04	CC9E CO 87 D06D
05	CC9F CO 87 D06D

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*****	19270000
*/	19280000
*/	19290000
*/	19300000
*/	19310000
*/	19320000
RE	19330000
*/	19340000
*/	19350000
*/	19360000
STATION BUFFER	19370000
*/	19380000
*/	19390000
*/	19400000
*/	19410000
*/	19420000
*****	19430000
BLANK ?	19450000
*/	19460000
S IN PPSA	19480000
DISPLACEMENT COUNTER	19500000
DISPLAY FORMAT	19510000
'11' ?	19530000
*/	19540000
SYSTEM HAVE A	19560000
DISKETTE DRIVE ?	19570000
*/	19580000
S IN THE PPSA	19600000
DISPLACEMENT COUNTER	19620000
DISPLAY FORMAT	19630000
LINE	19650000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 136 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		5449 */*	START OF SPECIFICATIONS *****
		5450 */*	*/
03		5451 */*	ROUTINE NAME = HE004300
		5452 */*	*/
04		5453 */*	STATUS = RELEASE 3
		5454 */*	*/
05		5455 */*	FUNCTION = PROCESS PARAMETERS FOR DELETE PROCEDURE
		5456 */*	*/
06		5457 */*	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER
		5458 */*	*/
07		5459 */*	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER
		5460 */*	*/
08		5461 */*	EXITS = RETURN TO MAINLINE
		5462 */*	*/
09		5463 */*	CHANGE ACTIVITY = 04/10/78 NJB
		5464 */*	*/
10		5465 */*	END OF SPECIFICATIONS *****
08	D34C 8D 07 OF D85C	5467 HE004300 CLC	HEPARM2+7(8,XR2),HE11 2ND PARAMETER '11' ?
	D351 F2 81 07	5468 JE	HE004310 YES - CONTINUE
09	D354 3C 02 D73D	5470 MVI	HESRCHDP,TMO MOVE 2 TO DISPLACEMENT COUNTER
	D358 F2 87 08	5471 J	HE004320 CONTINUE
11	D35B 38 40 008C	5473 HE004310 TBN	NUMSCA+SCADCSP1,SCAMARNR DOES THE SYSTEM HAVE A
		5474 *	MAGAZINE DISKETTE DRIVE ?
	D35F F2 90 1D	5475 JF	HE004399 NO - CONTINUE
12	D362 3C 01 D73D	5477 MVI	HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER
13	D366 C0 87 CCE8	5479 HE004320 B	HE002100 SAVE PARAMETERS IN PPSA
14	D36A C0 87 CB72	5481 B	HE002000 LOOK UP AND DISPLAY FORMAT
15	D36E 8D 07 07 D894	5483 CLC	HEPARM1+7(8,XR2),HELIBR 1ST PARAMETER 'LIBR' ?
	D373 F2 81 09	5484 JE	HE004399 YES - CONTINUE
16	D376 AC 4F 57 4F	5486 MVC	87(80,XR2),79(,XR2) PUSH PARAMETER
	D37A 8C 07 07 D7B1	5487 MVC	7(8,XR2),HECBLANK BLANK OUT 1ST PARAMETER
17	D37F C0 87 C8C8	5489 HE004399 B	HE000200 RETURN TO MAINLINE

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE
08	D383 8D C3
	D386 F2 81
09	D389 8D E2
	D38C F2 81
11	D38F C2 01
	D393 C0 87
12	D397 F2 87
13	D39A C2 01
	D39E C0 87
14	D3A2 C0 87
15	D3A6 3C 01
16	D3AA C0 87
17	D3AE C2 01
	D3B2 C0 87
18	D3B6 C0 87

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PRESSED ?	08250000
*/	08260000
SCREEN ?	08280000
*/	08290000
L DOWN	08303000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 100 V09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	CC93 85 02 21	4245 HE002070 L	\$WSRECA(,XR2),XR2 XR2 --> WORKSTATION BUFFER
03	CC96 38 20 D734	4247 TBN	HETBLSAV+HECONTRL,HENTEXEC THIS FORMAT EXECUTABLE ?
	CC9A C0 10 CBDC	4248 BT	HE002030 NO - RE-INVITE
04	CC9E C0 87 D06D	4250 B	HE002900 LEFT JUSTIFY DATA IN WS BUFFER
05	CC9F 8D 07 07 D894	4252 CLC	HEPARM1+7(8,XR2),HELIBR 1ST PARAMETER 'LIBR' ?
	D373 F2 81 09	4253 JE	HE004399 YES - CONTINUE

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC	OBJECT CODE
02	08410000
03	08430000
	08440000
04	08460000
05	08480000
	08490000

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18	
19	
20	
E 136 W09/11/81 12/05/81 12:00	
01	
*****/	19670000
*/	19680000
*/	19690000
*/	19700000
*/	19710000
*/	19720000
*/	19730000
*/	19740000
*/	19750000
*/	19760000
*/	19770000
UUFFER	19780000
*/	19790000
*/	19800000
*/	19810000
*/	19820000
*/	19830000
*****/	19840000
19850000	
19860000	
COUNTER	19880000
19890000	
VE A	19910000
ORIVE ?	19920000
19930000	
COUNTER	19950000
19970000	
MAT	19990000
20010000	
20020000	
20040000	
20050000	
20070000	

\$HELP SYSTEM/34 HELP UTILITY							PAGE 137 W09/11/81 12/05/81 12:00		
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT					
02				5491 **/ START OF SPECIFICATIONS *****/		20090000			
				5492 **/ **/		20100000			
				5493 **/ ROUTINE NAME = HE004400		20110000			
03				5494 **/ **/		20120000			
				5495 **/ STATUS = RELEASE 3		20130000			
				5496 **/ **/		20140000			
04				5497 **/ FUNCTION = PROCESS PARAMETERS FOR SPECIFY PROCEDURE		20150000			
				5498 **/ **/		20160000			
				5499 **/ INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER		20170000			
05				5500 **/ **/		20180000			
				5501 **/ OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER		20190000			
				5502 **/ **/		20200000			
06				5503 **/ EXITS = RETURN TO MAINLINE		20210000			
				5504 **/ **/		20220000			
				5505 **/ CHANGE ACTIVITY = 04/10/78 NJB		20230000			
07				5506 **/ **/		20240000			
				5507 **/ END OF SPECIFICATIONS *****/		20250000			
08	D383 BD C3 08	5509	HE004400 CLI	HEPARM2(C,XR2),C'C'	LINE-C ?	20270000			
	D386 F2 81 11	5510	JE	HE004410	YES - CONTINUE	20280000			
09	D389 BD E2 08	5512	CLI	HEPARM2(C,XR2),C'S'	LINE-S ?	20300000			
	D38C F2 81 08	5513	JE	HE004410	YES - CONTINUE	20310000			
11	D38F C2 01 D9EF	5515	LA	HESPECTBL,XR1	XR1 --> SPECIFY KEYWORD TABLE	20330000			
	D393 CO 87 CD41	5516	B	HE002200	PROCESS KEYWORD PARAMETERS	20340000			
12	D397 F2 87 1C	5518	J	HE004499	CONTINUE	20360000			
13	D39A C2 01 D9EF	5520	HE004410 LA	HESPECTBL,XR1	XR1 --> SPECIFY KEYWORD TABLE	20380000			
	D39E CO 87 CD41	5521	B	HE002200	PROCESS KEYWORD PARAMETERS	20390000			
14	D3A2 CO 87 CCE8	5523	B	HE002100	SAVE PARAMETERS IN PPSA	20410000			
15	D3A6 3C 01 D73D	5525	MVI	HESRCHDP,ONE	MOVE 1 TO DISPLACEMENT COUNTER	20430000			
16	D3AA CO 87 CB72	5527	B	HE002000	LOOK UP AND DISPLAY FORMAT	20450000			
17	D3AE C2 01 D9E6	5529	LA	HESWTBL,XR1	XR1 --> SWITCH- KEYWORD TABLE	20470000			
	D3B2 CO 87 CD41	5530	B	HE002200	PROCESS KEYWORD PARAMETERS	20480000			
18	D3B6 CO 87 C8C8	5532	HE004499 B	HE000200	RETURN TO MAINLINE	20500000			

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\$HELP SYSTEM/34 HELP U	
01	ERR LOC OBJECT CODE
02	
03	
04	
05	
06	
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08	D3BA C2 01 D94B
	D3BE CO 87 CD41
09	
10	D3C2 CO 87 C8C8

E 100 W09/11/81 12/05/81 12:00	
01	
UUFFER	08410000
E ?	08430000
08440000	
UUFFER	08460000

\$HELP SYSTEM/34 HELP UTILITY							PAGE 101 W09/11/81 12/05/81 12:00		
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT					
02				4282 **/ START OF SPECIFICATIONS *****/		08780000			
				4283 **/ **/		08790000			
				4284 **/ ROUTINE NAME = HE002100		08800000			
03				4285 **/ **/		08810000			
				4286 **/ STATUS = RELEASE 3		08820000			
				4287 **/ **/		08830000			
04				4288 **/ FUNCTION = MOVE PARAMETERS TO NEXT PPSA LOCATION		08840000			
				4289 **/ **/		08850000			
05				4290 **/ INPUT = HEPRMPTR CONTAINS THE ADDRESS OF THE NEXT LOCATION		08860000			
				4291 **/ IN THE PPSA		08870000			

\$HELP SYSTEM/34 HELP U	
01	ERR LOC OBJECT CODE
02	
03	
04	CD11 BD 00 00
05	CD14 F2 81 22

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*****	20090000
*/	20100000
*/	2011C000
*/	20120000
*/	20130000
*/	20140000
*/	20150000
*/	20160000
*/	20170000
ON BUFFER	20180000
*/	20190000
*/	20200000
*/	20210000
*/	20220000
*/	20230000
*/	20240000
*****	20250000
	20270000
	20280000
	20300000
	20310000
WORD TABLE	20330000
PARAMETERS	20340000
	20360000
WORD TABLE	20380000
PARAMETERS	20390000
PPSA	20410000
ENT COUNTER	20430000
FORMAT	20450000
WORD TABLE	20470000
PARAMETERS	20480000
	20500000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 138 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR	STMT SOURCE STATEMENT	
02		5534 */* START OF SPECIFICATIONS *****	20520000
		5535 */* */	20530000
03		5536 */* ROUTINE NAME = HE004500	20540000
		5537 */* */	20550000
		5538 */* STATUS = RELEASE 3	20560000
04		5539 */* */	20570000
		5540 */* FUNCTION = PROCESS PARAMETERS FOR ALTERSDL PROCEDURE	20580000
		5541 */* */	20590000
05		5542 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	20600000
		5543 */* */	20610000
		5544 */* OUTPUT = PARAMETERS AND KEYWORDS ARE SAVED IN THE WORK STATION	20620000
06		5545 */* BUFFER	20630000
		5546 */* */	20640000
		5547 */* EXITS = RETURN TO MAINLINE	20650000
07		5548 */* */	20660000
		5549 */* CHANGE ACTIVITY = 04/10/78 NJB	20670000
		5550 */* */	20680000
		5551 */* END OF SPECIFICATIONS *****	20690000
08	D3BA C2 01 D94B	5553 HE004500 LA HESDLTBL,XR1 XR1 --> ALTERSDL KEYWORD TABLE	20710000
	D3BE C0 87 CD41	5554 B HE002200 PROCESS KEYWORD PARAMETERS	20720000
09			
10	D3C2 C0 87 C8C8	5556 B HE000200 RETURN TO MAINLINE	20740000
11			
12			
13			
14			
15			
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\$HELP SYSTEM/34		PAGE 138 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR	STMT SOURCE STATEMENT	
02			
03			
04			
05			
06			
07			
08	D3C6 C0 87 CCE8		
09	D3CA 8D 07 OF D		
	D3CF F2 01 12		
10	D3D2 38 40 008C		
11	D3D6 F2 90 08		
12	D3D9 3C 01 D73D		
	D3DD C0 87 CB72		
13	D3E1 F2 87 15		
14	D3E4 3C 02 D73D		
	D3E8 C0 87 CB72		
15	D3EC AC 47 57 4		
16	D3F0 8C 07 OF D		
	D3F5 AC 07 07 0		
17	D3F9 C0 87 C8C8		
18			
19			
20			

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*****	08780000
*/	08790000
*/	08800000
*/	08810000
*/	08820000
*/	08830000
*/	08840000
*/	08850000
ION	08860000
*/	08870000
*/	08880000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 102 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR	STMT SOURCE STATEMENT	
02		4324 *****	09200000
		4325 *	09210000
03		4326 * IF FIELD DOES NOT BEGIN WITH A X'00', MOVE IT TO THE	09220000
		4327 * NEXT POSITION IN THE PPSA. ELSE EXIT.	09230000
		4328 *	09240000
		4329 *****	09250000
04	CD11 BD 00 00	4331 CLI 0(,XR2),ZERO PARAMETER = ZERO ?	09270000
	CD14 F2 81 22	4332 JE HE002140 YES - EXIT	09280000
05			

\$HELP SYSTEM/34		PAGE 102 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR	STMT SOURCE STATEMENT	
02			
03			
04			
05			

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138	V09/11/81	12/05/81	12:00
*****	20520000		
*	20530000		
*	20540000		
*	20550000		
*	20560000		
*	20570000		
*	20580000		
*	20590000		
*	20600000		
*	20610000		
W	20620000		
*	20630000		
*	20640000		
*	20650000		
*	20660000		
*	20670000		
*	20680000		
*****	20690000		
TABLE	20710000		
	20720000		
	20740000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 139 V09/11/81 12/05/81 12:00
02				5558 */* START OF SPECIFICATIONS *****/	20760000
				5559 */*	20770000
03				5560 */* ROUTINE NAME = HE004600	20780000
				5561 */*	20790000
				5562 */* STATUS = RELEASE 6	20800000
				5563 */*	20810000
04				5564 */* FUNCTION = PROCESS PARAMETERS FOR CATALOG PROCEDURE	20820000
				5565 */*	20830000
				5566 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	20840000
				5567 */*	20850000
05				5568 */* OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	20860000
				5569 */*	20870000
06				5570 */* EXITS = RETURN TO MAINLINE	20880000
				5571 */*	20890000
				5572 */* CHANGE ACTIVITY = 01/15/80 RSH	20900000
				5573 */*	20910000
07				5574 */* END OF SPECIFICATIONS *****/	20920000
08	D3C6	CO 87	CCE8	5576 HE004600 B HE002100 SAVE PARAMETERS IN THE PPSA	20933000
09	D3CA	8D 07	OF D85C	5578 CLC HEPARM2+7(8, XR2), HE11 2ND PARAMETER '11' ?	20940000
	D3CF	F2 01	12	5579 JNE HE004610 NO - CONTINUE	20950000
10	D3D2	38 40	008C	5581 TBN NUBSCA+SCADCSPI, SCAMARNR DOES THE SYSTEM HAVE A	20970000
				5582 * MAGAZINE DISKETTE DRIVE ?	20980000
11	D3D6	F2 90	08	5583 JF HE004610 NO - CONTINUE	20990000
12	D3D9	3C 01	D73D	5585 MVI HESRCHDP, ONE MOVE 1 TO DISPLACEMENT COUNTER	21030000
	D3DD	CO 87	CB72	5586 B HE002000 LOOK UP AND DISPLAY FORMAT	21040000
13	D3E1	F2 87	15	5588 J HE004699 CONTINUE	21051000
14	D3E4	3C 02	D73D	5590 HE004610 MVI HESRCHDP, TWO MOVE 2 TO DISPLACEMENT COUNTER	21053000
	D3EB	CO 87	CB72	5591 B HE002000 LOOK UP AND DISPLAY FORMAT	21054000
15	D3EC	AC 47	57 47	5593 MVC HEPARM11+7(72, XR2), HEPARM9+7(C, XR2) PUSH PARAMETER	21056000
	D3FO	8C 07	OF D7B1	5594 MVC HEPARM2+7(8, XR2), HECBLANK BLANK OUT 2ND PARAMETER	21057000
	D3F5	AC 07	07 OF	5595 MVC HEPARM1+7(8, XR2), HEPARM2+7(C, XR2) BLANK OUT 1ST PARAMETER	21058000
17	D3F9	CO 87	C8C8	5597 HE004699 B HE000200 RETURN TO MAINLINE	21060000

01				\$HELP SYSTEM/34 HELP UTILITY	
02					
03					
04					
05					
06					
07					
08	D3FD	8D 07	OF D85C		
	D402	F2 01	13		
09	D405	38 40	008C		
10	D409	F2 90	0C		
11	D40C	CO 87	CCE8		
12	D410	3C 01	D73D		
	D414	CO 87	CB72		
13	D418	CO 87	C8C8		

102	V09/11/81	12/05/81	12:00
*****	09200000		
*	09210000		
*	09220000		
*	09230000		
*	09240000		
*****	09250000		
	09270000		
	09280000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 103 V09/11/81 12/05/81 12:00
02				4354 */* START OF SPECIFICATIONS *****/	09500000
				4355 */*	09510000
03				4356 */* ROUTINE NAME = HE002200	09520000
				4357 */*	09530000
				4358 */* STATUS = RELEASE 3	09540000
				4359 */*	09550000
04				4360 */* FUNCTION = PROCESS KEYWORD PARAMETERS	09560000
				4361 */*	09570000
				4362 */* INPUT = XRI CONTAINS THE ADDRESS OF THE KEYWORD TABLE	09580000

01				\$HELP SYSTEM/34 HELP UTILITY	
02	CD71	6C 07	08 07		
03	CD7A	E2 02	08		
04	CD7D	F2 87	08		
05	CD80	3B 01	D7B1		

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*****/      20760000
*/           20770000
*/           20780000
*/           20790000
*/           20800000
*/           20810000
*/           20820000
*/           20830000
*/           20840000
*/           20850000
BUFFER */     20860000
*/           20870000
*/           20880000
*/           20890000
*/           20900000
*/           20910000
*****/      20920000
    
```

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PPSA          20933000
```

```

20940000
20950000
    
```

```

HAVE A       20970000
DRIVE ?     20980000
            20990000
    
```

```

COUNTER     21030000
FORMAT      21040000
    
```

```
21051000
```

```

COUNTER     21053000
FORMAT      21054000
    
```

```

TER         21056000
TER         21057000
PARAMETER   21058000
    
```

```
21060000
```

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		5599	*/	START OF SPECIFICATIONS	21080000
		5600	*/		21090000
		5601	*/	ROUTINE NAME = HE004700	21100000
03		5602	*/		21110000
		5603	*/	STATUS = RELEASE 3	21120000
		5604	*/		21130000
04		5605	*/	FUNCTION = PROCESS PARAMETERS FOR TOLIBR PROCEDURE	21140000
		5606	*/		21150000
		5607	*/	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	21160000
05		5608	*/		21170000
		5609	*/	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	21180000
		5610	*/		21190000
06		5611	*/	EXITS = RETURN TO MAINLINE	21200000
		5612	*/		21210000
		5613	*/	CHANGE ACTIVITY = 04/10/78 NJB	21220000
07		5614	*/		21230000
		5615	*/	END OF SPECIFICATIONS	21240000

```

D3FD 8D 07 OF D85C 5617 HE004700 CLC HEPARQ+7(8, XR2), HE11 2ND PARAMETER '11' ? 21260000
D402 F2 01 13 5618 JNE HE004799 NO - CONTINUE 21270000
    
```

```

D405 38 40 008C 5620 TBW NUBSCA+SCADCSPI, SCAPPNR DOES THE SYSTEM HAVE A 21290000
5621 * MAGAZINE DISKETTE DRIVE ? 21300000
    
```

```
D409 F2 90 0C 5622 JF HE004799 NO - CONTINUE 21310000
```

```
D40C C0 87 CCE8 5624 B HE002100 SAVE PARAMETERS IN PPSA 21330000
```

```

D410 3C 01 D73D 5626 MWI HESRCHOP, ONE MOVE 1 TO DISPLACEMENT COUNTER 21350000
D414 C0 87 CB72 5627 B HE002000 LOOK UP AND DISPLAY FORMAT 21360000
    
```

```
D418 C0 87 C8C8 5629 HE004799 B HE000200 RETURN TO MAINLINE 21380000
```

```

14
15
    
```

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17
    
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18
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19
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20
```

```

*****/      09500000
*/           09510000
*/           09520000
*/           09530000
*/           09540000
*/           09550000
*/           09560000
*/           09570000
*/           09580000
*/           09590000
    
```

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	CD71 6C 07 08 07	4396	HE002230	MVC 8(8, XR1), 7(, XR2) MOVE PARAMETER AFTER DASH	09920000
03	CD75 8C 07 07 D789	4398	MVC 7(8, XR2), HELDORC+7	MOVE PARAMETER BACK TO BUFFER	09940000
	CD7A E2 02 08	4400	LA 8(, XR2), XR2	XR2 --> NEXT PARAMETER IN BUFFER	09960000
	CD7D F2 87 08	4401	J HE002250	CONTINUE	09970000

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04
    
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05
    
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09580000
```

ERR LOC	OBJECT CODE
02	
03	
04	
05	
06	
07	

```
D41C 2C 1F D741
```

```

D421 8C 40 57
D424 2C 56 56 57
    
```

```
D428 C2 01 DA3D
```

```
D42C 7D FF 00
```

```
D432 3D 40 D782
```

```
D436 F2 81 2A
```

```

D439 3D 40 ECF0
D43D F2 81 06
    
```

```

D440 8C 68 00
D443 E2 02 01
    
```

```
17
```

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18
```

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19
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20
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ERR LOC	OBJECT CODE
02	
03	
04	
05	

```
09985000
```

16
17
18
19
20

E36

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*****/	21080000
*/	21090000
*/	21100000
*/	21110000
*/	21120000
*/	21130000
*/	21140000
*/	21150000
*/	21160000
*/	21170000
ON BUFFER */	21180000
*/	21190000
*/	21200000
*/	21210000
*/	21220000
*/	21230000
*****/	21240000
?	21260000
	21270000
M HAVE A	21290000
TE DRIVE ?	21300000
	21310000
PPSA	21330000
ENT COUNTER	21350000
FORMAT	21360000
	21380000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 141 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		5631 */* START OF SPECIFICATIONS *****/	21400000
		5632 */* */	21410000
		5633 */* ROUTINE NAME = HEO04800	21420000
03		5634 */* */	21430000
		5635 */* STATUS = RELEASE 6	21440000
		5636 */* */	21450000
04		5637 */* FUNCTION = PROCESS PARAMETERS FOR MRJE PROCEDURE	21460000
		5638 */* */	21470000
		5639 */* INPUT = PARAMETERS ARE IN THE WORKSTATION BUFFER	21480000
05		5640 */* */	21490000
		5641 */* OUTPUT = PARAMETERS AND KEYWORDS ARE SAVED IN THE WORK STATION	21500000
		5642 */* BUFFER	21510000
06		5643 */* */	21520000
		5644 */* EXITS = RETURN TO MAINLINE	21530000
		5645 */* */	21540000
07		5646 */* CHANGE ACTIVITY = 02/22/80 RSH	21550000
		5647 */* */	21560000
		5648 */* END OF SPECIFICATIONS *****/	21570000
08	D41C 2C 1F D7A1 1F	5650 HEO04800 MVC HEWORK+31(32),HEPARM4+7(,XR2) MOVE PARM5 TO WORK AREA	21590000
09	D471 BC 40 57	5652 MVI HEPARM11+7(,XR2),BLANK BLANK OUT WORK	21610000
	D424 AC 56 56 57	5653 MVC HEPARM11+6(87,XR2),HEPARM11+7(,XR2) STATION BUFFER	21620000
10	D428 C2 01 DA10	5655 LA HEMRJTBL,XR1 XR1 --> MRJE KEYWORD TABLE	21640000
	D42C 7D FF 00	5657 HEO04810 CLI 0(,XR1),HECXFOX END OF TABLE ?	21660000
	D42F F2 81 4A	5658 JE HEO04860 YES - CONTINUE	21670000
11			
12	D432 3D 40 D782	5660 CLI HEWORK,BLANK PARAMETER BLANK ?	21690000
	D436 F2 81 2A	5661 JE HEO04850 YES - CONTINUE	21700000
13			
	D439 3D 40 ECFO	5663 CLI HEWSBUFF,BLANK PARAMETER IN BUFFER BLANK ?	21720000
	D43D F2 81 06	5664 JE HEO04820 YES - CONTINUE	21730000
14			
15	D440 BC 6B 00	5666 MVI 0(,XR2),HECOMMA MOVE COMMA TO WORK STATION BUFF	21750000
	D443 E2 02 01	5667 LA 1(,XR2),XR2 XR2 --> NEXT PARAMETER IN BUFFER	21760000
16			
17			
18			
19			
20			

D36

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R DASH	09920000
TO BUFFER	09940000
TER IN BUFFER	09960000
	09970000
ICATOR	09985000
N BUFFER	09990000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 105 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		4413 */* START OF SPECIFICATIONS *****/	10080000
		4414 */* */	10090000
		4415 */* ROUTINE NAME = HEO02300	10100000
03		4416 */* */	10110000
		4417 */* STATUS = RELEASE 3	10120000
		4418 */* */	10130000
04		4419 */* FUNCTION = DISPLAY LISTS	10140000
		4420 */* */	10150000
		4421 */* INPUT = NUMBER ENTERED IS IN WORK STATION BUFFER	10160000
05		4422 */* */	10170000

14	DB7A 8000 DB7C 00 DB7D 5AAA0F	DB7B 6811 DB7C 6812 DB7F 6813	DC DC DC	BL2'1000000000000000' MANDATORY FIELD MASK SUBROUTINE TABLE DISPLACEMENT BL3'010110101010101000001111' 960 SCREEN MASK	
15	6815 *** END OF EXPANSION ** 6816 * HETBL V-DC,MMME-BLDFILE,PRIME-Y,TYPE-1,MAND-1111100690, 6817 * MASK-01010101010101010101010101010101				28500000 28510000
16	DB80 80 DB81 01 DB82 F800 DB84 00	DB80 6819 DB81 6820 DB83 6821 DB84 6822	DC DC DC DC	AL1(128+0+0+0+0) CTRL CODE AL1(0+0+1) FORMAT TYPE BYTE BL2'1111100000000000' MANDATORY FIELD MASK SUBROUTINE TABLE DISPLACEMENT	
17	DB85 555555	DB87 6823	DC	BL3'010101010101010101010101' 960 SCREEN MASK	
18	6825 *** END OF EXPANSION **				
19					
20					

F01

4	DBA2 8000 DBA4 00 DBA5 5556D4	DBA3 6862 DBA4 6863 DBA7 6864			
5					6866 *** 6867 * 6868 *
6	DBA8 80 DBA9 01 DBA9 0000 DBAC 00	DBA8 6870 DBA9 6871 DBA8 6872 DBAC 6873			000E 6869 BU DBA8 6870
7	DBAD 5A00FF	DBAF 6874			
8					6876 ***
9					
20					

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 142 V09/11/81 12/05/81 12:00				
02	D446 9C 07 07 07	5669	HE004820	MVC 7(8,XR2),7(C,XR1)	MOVE KEYWORD TO BUFFER 21780000
03	D44A E2 02 01	5671	HE004830	LA 1(C,XR2),XR2	XR2 --> NEXT POSITION IN BUFFER 21782000
04	D44D BD 40 00	5673	CLI 0(C,XR2),BLANK	THIS A BLANK ? 21784000	
04	D450 CO 01 D44A	5674	BNE HE004830	NO - CHECK NEXT POSITION 21785000	
05	D454 8C 07 07 D789	5676	MVC 7(8,XR2),HEWORK+7	MOVE PARAMETER TO BUFFER 21790000	
05	D459 E2 02 01	5678	HE004840	LA 1(C,XR2),XR2	XR2 --> NEXT POSITION IN BUFFER 21801000
06	D45C BD 40 00	5680	CLI 0(C,XR2),BLANK	THIS A BLANK ? 21803000	
06	D45F CO 01 D459	5681	BNE HE004840	NO - CHECK NEXT POSITION 21804000	
07	D463 D2 01 08	5683	HE004850	LA 8(C,XR1),XR1	XR1 --> NEXT KEYWORD IN TABLE 21830000
08	D466 0C 07 D789 D791	5685	MVC HEWORK+7(8),HEWORK+15	PULL PARAMETERS IN WORK AREA 21950000	
08	D46C 0C 07 D791 D799	5686	MVC HEWORK+15(8),HEWORK+23	PULL PARAMETERS IN WORK AREA 21860000	
08	D472 0C 07 D799 D7A1	5687	MVC HEWORK+23(8),HEWORK+31	PULL PARAMETERS IN WORK AREA 21863000	
09	D478 70 87 D42C	5689	B HE004810	PROCESS NEXT PARAMETER 21870000	
10	D47C 35 01 D748	5691	HE004860	L HEJCB@,XR1	XR1 --> JCB 21900000
11	D480 C2 02 1990	5692	LA HEMRTCD,XR2	XR2 --> MRT PROC RETURN CODE 21905000	
11	D4C4 74 02 2F	5694	ST JCBDRTCDC,XR1,XR2	SET MRT PROC RETURN CODE IN JCB 21920000	
12	D487 C2 02 ECFO	5696	LA HEWSBUFF,XR2	XR2 --> WORK STATION BUFFER 21933000	
13	D48B CO 87 C8C8	5698	B HE000200	RETURN TO MAINLINE 21940000	
14					
15					
16					
17					
18					
19					
20					

F01

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY				
02					5700 *// 5701 *// 5702 *// 5703 *// 5704 *// 5705 *// 5706 *// 5707 *// 5708 *// 5709 *// 5710 *// 5711 *// 5712 *// 5713 *// 5714 *// 5715 *// 5716 *// 5717 *// 5719 HE0
03	D48F C2 01 D7E2				
09	D493 38 20 D781				5721
09	D497 F2 10 04				5722
10	D49A C2 01 D81E				5724
11	D49E 7D FF 00				5726 HE0
11	D4A1 F2 81 32				5727
12	D4A4 38 20 D781				5729
13	D4A8 F2 90 0C				5730
14	D4AB 08 03 D4C2 D735				5732
14	D4B1 7D 00 00				5734 HE0
15	D4B4 F2 01 0D				5735
16	D4B7 1C 01 D4C0 02				5737 HE0
16	D4BC 8D 07 07 0000				5739 HE0
17	D4C1 F2 81 07				5740
18	D4C4 D2 01 05				5742 HE0
18	D4C7 CO 87 D49E				5743
19					
20					

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 106 V09/11/81 12/05/81 12:00				
02	CDB9 2D 00 D735 00	4450	HE002315	CLC HETBSAV+HETYPE(1),0(C,XR2)	CORRECT TABLE ENTRY ? 10450000
02	CDBE F2 81 07	4451	JE HE002320	YES - CONTINUE	10460000
02					4465 *// 4466 *// 4467 *//

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY				
02					4465 *// 4466 *// 4467 *//

28500000	6866 *** END OF EXPANSION **	HETBL V-DC, NAME-BUILD, PRIME-Y, TYPE-1,	28610000	6918
28510000	6868 *	MASK-0101101000000001111111	28620000	6919
6	000E 6869 BUILD EQU 14	TABLE ENTRY NUMBER	16	0013 6920
	DBA8 80 DBA8 6870 DC	AL1(128+0+0+0+0) CTRL CODE		0000 6921
	DBA9 01 DBA9 6871 DC	AL1(0+0+1) FORMAT TYPE BYTE		0001 6922
7	DBAA 0000 DBAB 6872 DC	BL2'0000000000000000' MANDATORY FIELD MASK	17	0003 6923
	DBAC 00 DBAC 6873 DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT		0004 6924
	DBAD 5A00FF DBAF 6874 DC	BL3'0101101000000001111111' 960 SCREEN MASK	18	0005 6925
8		6876 *** END OF EXPANSION **		6927

F02

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
21780000	02	5700	*/	START OF SPECIFICATIONS *****/	21960000	02
		5701	*/	*/	21970000	
21782000	03	5702	*/	ROUTINE NAME = HE004900	21980000	
		5703	*/	*/	21990000	03
21784000		5704	*/	STATUS = RELEASE 3	22000000	
21785000	04	5705	*/	*/	22010000	
		5706	*/	FUNCTION = FORMAT NAME CONVERSION ROUTINE	22020000	04
		5707	*/	*/	22030000	
21790000	05	5708	*/	INPUT = WORKSTATION BUFFER	22040000	
		5709	*/	NAME CONVERSION TABLE	22050000	05
21801000		5710	*/	*/	22060000	
		5711	*/	OUTPUT = CONVERTED FORMAT NAME	22070000	
21803000	06	5712	*/	*/	22080000	
21804000		5713	*/	EXITS = RETURN TO MAINLINE TO DISPLAY REQUESTED FORMAT	22090000	06
		5714	*/	*/	22100000	
		5715	*/	CHANGE ACTIVITY = 07/10/78 RSH	22110000	07
21830000	07	5716	*/	*/	22120000	
		5717	*/	END OF SPECIFICATIONS *****/	22130000	08
21950000	08	D48F C2 01 D7E2	5719	HE004900 LA HENAMCVT, XR1 XR1 --> NAME CONVERSION TBL	22150000	
21860000	09	D493 38 20 D781	5721	TBN HESWITCH, HESCRNUP HAS A SCREEN BEEN DISPLAYED ?	22170000	
21863000		D497 F2 10 04	5722	JT HE004910 YES - CONTINUE	22180000	09
21900000	10	D49A C2 01 D81E	5724	LA HENAMCVX, XR1 XR1 --> 1ST TIME NAME CVT TABLE	22200000	
21905000	11	D49E 7D FF 00	5726	HE004910 CLI OC, XR1, HECXFOK END OF TABLE ?	22220000	
21920000		D4A1 F2 81 32	5727	JE HE004990 YES - CONTINUE	22230000	11
21933000	12	D4A4 38 20 D781	5729	TBN HESWITCH, HESCRNUP HAS A SCREEN BEEN DISPLAYED ?	22250000	
21940000		D4A8 F2 90 0C	5730	JF HE004925 NO - CONTINUE	22260000	12
	13	D4AB 08 03 D4C2 D735	5732	MNN HE004920+1, HETBL SAV+HETYPE SET UP TO COMPARE TYPE	22280000	
	14	D4B1 7D 00 00	5734	HE004920 CLI OC, XR1, # THIS THE CORRECT TYPE ?	22300000	
	15	D4B4 F2 01 0D	5735	JNE HE004940 NO - CONTINUE	22310000	14
	16	D4B7 1C 01 D4C0 02	5737	HE004925 MVC HE004930+4(2), 2(, XR1) SET UP COMPARE INSTRUCTION	22330000	
	17	D4BC 8D 07 07 0000	5739	HE004930 CLC 7(8, XR2), # CORRECT ENTRY ?	22350000	
	18	D4C1 F2 81 07	5740	JE HE004950 YES - CONTINUE	22360000	16
	19	D4C4 D2 01 05	5742	HE004940 LA 5(, XR1), XR1 XR1 --> NEXT TABLE ENTRY	22380000	
	20	D4C7 C0 87 D49E	5743	B HE004910 CHECK NEXT ENTRY	22390000	18

E02

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
10450000	02	4465	*/	START OF SPECIFICATIONS *****/	10600000	02
10460000		4466	*/	*/	10610000	
		4467	*/	ROUTINE NAME = HE002400	10620000	
		4468	*/	*/	10630000	03
10480000		4469	*/	STATUS = RELEASE 3	10640000	
10490000	04	4470	*/	*/	10650000	
		4471	*/	FUNCTION = OPEN FORMAT MEMBERS	10660000	04
		4472	*/	*/	10670000	

15	28610000 28620000	6917 *** END OF EXPANSION ** 6918 * HETBL V-DC, NAME-CONDENSE, PRIME-Y, TYPE-1, 6919 * MASK-01011110100000000111111	28690000 28700000	15	69
16	DBD0 80 DBD1 01 DBD2 0000 DBD4 00	0013 6920 CONDENSE EQU 19 TABLE ENTRY NUMBER DBD0 6921 DC AL1(128*0+0+0+0) CTRL CODE DBD1 6922 DC AL1(0+0+1) FORMAT TYPE BYTE DBD3 6923 DC BL2'0000000000000000' MANDATORY FIELD MASK DBD4 6924 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		16	0018 69 DBF8 69 DBF9 69 DBFA 8000 DBF8 69 DBFC 00 DBFC 69 DBFD 5401FF DBFF 69
17	DBD5 5E803F	DBD7 6925 DC BL3'0101111010000000011111' 960 SCREEN MASK		17	
18		6927 *** END OF EXPANSION **		18	69
19				19	
20				20	

F03

09/11/81 12/05/81 12:00	01	\$HELP SYSTEM/34 HELP UTILITY PAGE 144 V09/11/81 12/05/81 12:00				01	\$HELP SYSTEM/34 HELP UTILITY
		ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			ERR LOC OBJECT CODE ADDR STMT
21960000 21970000	02	D4CB 75 01 04	5745	HE004950 L 4(,XR1),XR1		22410000	57
21980000 21990000 22000000	03	D4CE 9C 07 07 00 D4D2 3A 10 D73C	5747 5748	MVC 7(8,XR2),0C,XR1) SBN HESARCH,HESRCHOK	MOVE FORMAT NAME TO BUFFER SET TO ALLOW NOT CALLABLE	22430000 22440000	57 57 57
22010000 22020000 22030000	04	D4D6 35 01 D758 D4DA 6C 07 2F 07 D4DE CO 87 C888	5750 5751 5752	HE004990 L MVC PPSVAR01(8,XR1),7(,XR2) B HE000160	XR1 --> CURRENT PPSA SAVE NAME AS 1ST PARAMETER DISPLAY REQUESTED FORMAT	22460000 22470000 22480000	57 57 57
22040000 22050000 22060000	05						57 57 57
22070000 22080000 22090000	06						57 57 57
22100000 22110000 22120000	07						57 57 57
22130000	08						57
22150000	09						D4E2 C2 02 ECFO 57
22170000 22180000	09						D4E6 BD F1 00 57 D4E9 F2 02 08 57
22200000	10						D4EC 35 01 D758 57
22220000 22230000	11						D4F0 7A 40 01 57 D4F3 CO 87 C8C8 57
22250000 22260000	12						D4F7 C2 01 D82E 57
22280000	13						D4FB 1D 00 D735 00 57 D500 F2 81 00 57
22300000 22310000	14						D503 02 01 02 57
22330000	15						D506 7D FF 00 57 D509 CO 01 D4FB 57
22350000 22360000	16						D500 F2 87 07 57
22380000 22390000	17						D510 9D 00 00 01 57 D514 F2 04 08 57
	18						
	19						
	20						

E03

09/11/81 12/05/81 12:00	01	\$HELP SYSTEM/34 HELP UTILITY PAGE 108 V09/11/81 12/05/81 12:00				01	\$HELP SYSTEM/34 HELP UTILITY
		ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			ERR LOC OBJECT CODE ADDR STMT
10600000 10610000	02	CE14 38 40 D781 CE18 F2 10 56	4508 4509	HE002420 TBN JT HE002460	END OF FORMAT TABLE ? YES - ISSUE ERROR MESSAGE	10950000 10960000	CE5D 0F 00 D73F D7A7 453 CE63 CO 01 CDF6 453
10620000 10630000 10640000	03	CE1B C2 02 DB38 CE1F 34 02 D762	4511 4512	HE002430 LA ST HETBLEND,XR2	XR2 --> NEXT FORMAT TABLE ENTRY SAVE TABLE END ADDRESS	10980000 10990000	CE67 BC 80 0F 454
10650000 10660000 10670000	04	CE23 0F 01 CE1E D76C	4514	ALC HE002430+3(2) HECTRIEN	INCREMENT TO NEXT TABLE ENTRY	11010000	CE6A 38 40 D781 454 CE6E F2 10 05 454

28690000
28700000

15	6968 *** END OF EXPANSION **	HETBL V-DC,NAME-DATE,PRIME-Y,TYPE-1,MAND-1000000000,	28750000
16	6969 *	MASK-010101000000001111111111	28760000
17	0018 6971 DATE	EQU 24 TABLE ENTRY NUMBER	
18	DBF8 80	DC AL1(128+0+0+0+0+0) CTRL CODE	
19	DBF9 01	DC AL1(0+0+1) FORMAT TYPE BYTE	
20	DBFA 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DBFC 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBFD 5401FF	DC BL3'010101000000000111111111' 960 SCREEN MASK	
	6976 *** END OF EXPANSION **		

DC20 80
DC21 01
DC22 8000
DC24 00
DC25 55550F

F04

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22410000
22430000
22440000
22460000
22470000
22480000

ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 145 V09/11/81 12/05/81 12:00		
02	5754 */* START OF SPECIFICATIONS *****/		22500000
03	5755 */*	*/	22510000
04	5756 */* ROUTINE NAME = HE005000	*/	22520000
05	5757 */*	*/	22530000
06	5758 */* STATUS = RELEASE 3	*/	22540000
07	5759 */*	*/	22550000
08	5760 */* FUNCTION = DISPLAY FORMATS SPECIFIED BY NUMBER	*/	22560000
09	5761 */*	*/	22570000
10	5762 */* INPUT = NUMBER PARAMETER IN WORKSTATION BUFFER	*/	22580000
11	5763 */*	*/	22590000
12	5764 */* OUTPUT = FORMAT DISPLACEMENT VALUE IN HESRCHDP	*/	22600000
13	5765 */*	*/	22610000
14	5766 */* EXITS = HE002000	*/	22620000
15	5767 */*	*/	22630000
16	5768 */* CHANGE ACTIVITY = 08/25/78 RSH	*/	22640000
17	5769 */*	*/	22650000
18	5770 */* END OF SPECIFICATIONS *****/	*/	22660000
08	D4E2 C2 02 ECFO	5772 HE005000 LA HEWSBUFF,XR2 XR2 --> WORKSTATION BUFFER	22680000
09	D4E6 BD F1 00	5774 CLI HEPARM1(,XR2),C'1' NUMBER VALUE < 1 ?	22700000
09	D4E9 F2 02 08	5775 JNL HE005010 NO - CONTINUE	22710000
10	D4EC 35 01 D758	5777 L HEPPSAB,XR1 XR1 --> CURRENT PPSA	22730000
11	D4F0 7A 40 01	5779 SBN PPSFLAG1(,XR1),PPSEDFSG SET SOURCE GET EOF	22750000
11	D4F3 C0 87 C8C8	5781 B HE000200 UPDATE PPSA AND CALL END OF JOB	22770000
12	D4F7 C2 01 D82E	5783 HE005010 LA HEMAXTBL,XR1 XR1 --> MAX NUMBER TABLE	22790000
13	D4FB 1D 00 D735 00	5785 HE005020 CLC HETBLSAV+HETYPE(1),0(,XR1) TYPE BYTES EQUAL ?	22810000
13	D500 F2 81 0D	5786 JE HE005030 YES - CONTINUE	22820000
14	D503 02 01 02	5788 LA 2(,XR1),XR1 XR1 --> NEXT TABLE ENTRY	22840000
15	D506 7D FF 00	5790 CLI 0(,XR1),HECXFOX END OF TABLE ?	22860000
15	D509 C0 01 D4FB	5791 BNE HE005020 NO - CHECK NEXT ENTRY	22870000
16	D50D F2 87 07	5793 J HE005040 ISSUE ERROR MESSAGE	22890000
17	D510 9D 00 00 01	5795 HE005030 CLC HEPARM1(1,XR2),1(,XR1) NUMBER > MAXIMUM ?	22910000
18	D514 F2 04 08	5796 JNH HE005050 NO CONTINUE	22920000

\$HELP SYSTEM/34 HELP UTILITY

D517 C2 01 2004
D518 C0 87 D500

D51F 28 03 D73D 00
D524 3A 08 D73C

D528 C0 87 C872

E04

10950000
10960000

ENTRY 10980000
10990000

11010000

ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	CE5D 0F 00 D73F D7A7	4538 HE002450 SLC HEMEMCTR(1),HECONE LAST FORMAT MEMBER ?	11250000
02	CE63 C0 01 CDF6	4539 BNZ HE002410 NO - PROCESS NEXT FORMAT MEMBER	11260000
03	CE67 BC 80 0F	4541 MVI FMTRSV(,XR2),FMTLST SET FOR LAST FORMAT INDEX ENTRY	11280000
04	CE6A 38 40 D781	4543 TBN HESWITCH,HENDTBL END OF FORMAT TABLE ?	11300000
04	CE6E F2 10 05	4544 IT HE002470 YES - CONTINUE	11310000

\$HELP SYSTEM/34 HELP UTILITY

15	28750000	7019 *** END OF EXPANSION **	HETBL V-DC,NMVE-DISPLAY,PRIME-Y,TYPE-1,MMND-100000000,	28826000	7070 ***
	28760000	7020 *	MASK-0101010101010100001111	28828000	7071 *
16		001D 7022 DISPLAY EQU 29	TABLE ENTRY NUMBER		0022 7073 FRO
		DC20 80	DC AL1(128*0+0+0+0+0) CTRL CODE		DC48 80
		DC21 01	DC AL1(0+0+1) FORMAT TYPE BYTE		DC49 01
17		DC22 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK		DC4A 8000
		DC24 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		DC4C 05
		DC25 55550F	DC BL3'0101010101010100001111' 960 SCREEN MASK		DC4D 55541F
18					DC4F 7078
		7029 *** END OF EXPANSION **			7080 ***
19					
20					

F05

12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 146	W09/11/81	12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				ERR LOC OBJECT CODE
01					01
02	5798 *****			22940000	02
	5799 *			22950000	5812 */*
	5800 * ERROR - INVALID NUMBER SPECIFIED--ENTER VALID NUMBER			22960000	5813 */*
03	5801 *			22970000	5814 */*
	5802 *****			22980000	5815 */*
04	D517 C2 01 2004	5804 HE005040 LA	HEMC2004,XR1	XR1 --> MIC 2004	23000000
	D51B C0 87 D5DD	5805 B	HE009000	CALL THE ERROR ROUTINE	23010000
05	D51F 28 03 D73D 00	5807 HE005050 MNN	HESRCHDP,HEPARM1(C,XR2)	SET UP DISPLACEMENT COUNTER	23030000
	D524 3A 08 D73C	5808 SBN	HESSEARCH,HESRCHPR	SET TO FIND PRIME FORMAT	23040000
06	D528 C0 87 CB72	5810 B	HE002000	DISPLAY REQUESTED FORMAT	23060000
07					
08					08
					D52C C0 87 CCE8
09					5830 HE00
10					09
					D530 80 07 07 D8C1
					D535 F2 81 07
11					5832
					5833
12					10
					D538 3C 02 D73D
					5835
13					11
					D53C F2 87 04
					5837
14					12
					D53F 3C 01 D73D
					5839 HE00
15					13
					D543 C0 87 CB72
					5841 HE00
16					14
					D547 C0 87 C8C8
					5843
17					15
18					16
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20					18

E05

12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 110	W09/11/81	12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				ERR LOC OBJECT CODE
01					01
02	4573 */* START OF SPECIFICATIONS *****			11570000	02
	4574 */* */			11580000	4606 */*
	4575 */* ROUTINE NAME = HE002500			11590000	4607 */*
03	4576 */* */			11600000	4608 */*
	4577 */* STATUS = RELEASE 3			11610000	4609 */*
	4578 */* */			11620000	4610 */*
04	4579 */* FUNCTION = PULL PARAMETERS DOWN IN THE WORK STATION BUFFER			11630000	4611 */*
	4580 */* */			11640000	4612 */*
					4613 */*

28826000
28828000

15	7070 *** END OF EXPANSION **	HETBL V-DC, NAME-FRONTLBR, SUBR-32, PRIME-Y, TYPE-1,	28910000
16	7072 * 0022 7073 FROMLBR EQU 34	TABLE ENTRY NUMBER	28920000
17	DC48 80 DC49 01 DC4A 8000 DC4C 05 DC4D 55541F	DC 48 AL1(128*0+0+0+0) CTRL CODE DC 49 AL1(0+0+1) FORMAT TYPE BYTE DC 4B BL2'1000000000000000' MANDATORY FIELD MASK DC 4C AL1(5) SUBROUTINE TABLE DISPLACEMENT DC 4F BL3'010101010101010000011111' 960 SCREEN MASK	
18	7080 *** END OF EXPANSION **		

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07/11/81 12/05/81 12:00

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 147 V09/11/81 12/05/81 12:00
02		5812	*/	START OF SPECIFICATIONS *****/	23070090
		5813	*/	*/	23070180
03		5814	*/	ROUTINE NAME = HE005100	23070270
		5815	*/	*/	23070360
		5816	*/	STATUS = RELEASE 6	23070450
		5817	*/	*/	23070540
04		5818	*/	FUNCTION = PROCESS PARAMETERS FOR PRLIST PROCEDURE	23070630
		5819	*/	*/	23070720
05		5820	*/	INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER	23070810
		5821	*/	*/	23070900
		5822	*/	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER	23070990
		5823	*/	*/	23071080
06		5824	*/	EXITS = RETURN TO MAINLINE	23071170
		5825	*/	*/	23071260
		5826	*/	CHANGE ACTIVITY = 10/29/79 RSH	23071350
		5827	*/	*/	23071440
		5828	*/	END OF SPECIFICATIONS *****/	23071530
08	D52C C0 87 CCE8	5830	HE005100 B	HE002100 SAVE PARAMETERS IN PPSA	23071710
09	D530 8D 07 07 D8C1 D535 F2 81 07	5832 5833	CLC JE	HEPARM1+7(8, XR2), HESYSTEM SYSTEM SPECIFIED ? HE005110 YES - CONTINUE	23071890 23071980
10	D538 3C 02 D73D	5835	MVI	HESRCHDP, TWD SET DISPLACEMENT FOR NEXT SCREEN	23072160
11	D53C F2 87 04	5837	J	HE005120 CONTINUE	23072340
12	D53F 3C 01 D73D	5839	HE005110 MVI	HESRCHDP, ONE SET DISPLACEMENT FOR NEXT SCREEN	23072520
13	D543 C0 87 CB72	5841	HE005120 B	HE002000 DISPLAY NEXT SCREEN	23072700
14	D547 C0 87 C8C8	5843	B	HE000200 RETURN TO MAINLINE	23072880

\$HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR STMT

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E06

07/11/81 12/05/81 12:00

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11640000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 111 V09/11/81 12/05/81 12:00
02		4600	*/	START OF SPECIFICATIONS *****/	11900000
		4601	*/	*/	11910000
03		4608	*/	ROUTINE NAME = HE0026GJ	11920000
		4609	*/	*/	11930000
		4610	*/	STATUS = RELEASE 3	11940000
		4611	*/	*/	11950000
04		4612	*/	FUNCTION = PROCESS COMMAND KEY 1	11960000
		4613	*/	DISPLAY COMMAND/FUNCTION KEY DISPOSITION	11970000

\$HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR STMT

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	*****/	23070090	5845	*/ START OF SPECIFICATIONS *****/
	*/	23070180	5846	*/
	*/	23070270	5847	*/ ROUTINE NAME = HE005200
	*/	23070360	5848	*/
	*/	23070450	5849	*/ STATUS = RELEASE 6
	*/	23070540	5850	*/
	*/	23070630	5851	*/ FUNCTION = PROCESS PARAMETERS FOR SMFSTART PROCEDURE
	*/	23070720	5852	*/
	*/	23070810	5853	*/ INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER
	*/	23070900	5854	*/
BUFFER	*/	23070990	5855	*/ OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER
	*/	23071080	5856	*/
	*/	23071170	5857	*/ EXITS = RETURN TO MAINLINE
	*/	23071260	5858	*/
	*/	23071350	5859	*/ CHANGE ACTIVITY = 11/06/79 RSH
	*/	23071440	5860	*/
	*****/	23071530	5861	*/ END OF SPECIFICATIONS *****/
SA		23071710	D548 8D 07 1F D8C9	5863 HE005200 CLC HEPARM**7(8, XR2), HEY 4TH PARAMETER 'Y' ?
			D550 F2 01 0C	5864 JNE HE005299 NO - CONTINUE
		23071890		
		23071980	D553 C0 87 CCE8	5866 B HE002100 SAVE PARAMETERS IN PPSA
NEXT SCREEN		23072160	D557 3C 03 D73D	5868 MVI HESRCHDP, THREE MOVE 3 TO DISPLACEMENT COUNTER
			D55B C0 87 CB72	5869 B HE002000 LOOK UP AND DISPLAY FORMAT
		23072340		
NEXT SCREEN		23072520	D55F C0 87 C8C8	5871 HE005299 B HE000200 RETURN TO MAINLINE
		23072700		
		23072880		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	*****/	23070090	5845	*/ START OF SPECIFICATIONS *****/
	*/	23070180	5846	*/
	*/	23070270	5847	*/ ROUTINE NAME = HE005200
	*/	23070360	5848	*/
	*/	23070450	5849	*/ STATUS = RELEASE 6
	*/	23070540	5850	*/
	*/	23070630	5851	*/ FUNCTION = PROCESS PARAMETERS FOR SMFSTART PROCEDURE
	*/	23070720	5852	*/
	*/	23070810	5853	*/ INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER
	*/	23070900	5854	*/
BUFFER	*/	23070990	5855	*/ OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER
	*/	23071080	5856	*/
	*/	23071170	5857	*/ EXITS = RETURN TO MAINLINE
	*/	23071260	5858	*/
	*/	23071350	5859	*/ CHANGE ACTIVITY = 11/06/79 RSH
	*/	23071440	5860	*/
	*****/	23071530	5861	*/ END OF SPECIFICATIONS *****/
08		23071710	D548 8D 07 1F D8C9	5863 HE005200 CLC HEPARM**7(8, XR2), HEY 4TH PARAMETER 'Y' ?
			D550 F2 01 0C	5864 JNE HE005299 NO - CONTINUE
09		23071890		
		23071980	D553 C0 87 CCE8	5866 B HE002100 SAVE PARAMETERS IN PPSA
10		23072160	D557 3C 03 D73D	5868 MVI HESRCHDP, THREE MOVE 3 TO DISPLACEMENT COUNTER
			D55B C0 87 CB72	5869 B HE002000 LOOK UP AND DISPLAY FORMAT
11		23072340		
NEXT SCREEN		23072520	D55F C0 87 C8C8	5871 HE005299 B HE000200 RETURN TO MAINLINE
		23072700		
		23072880		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	*****/	23070090	5845	*/ START OF SPECIFICATIONS *****/
	*/	23070180	5846	*/
	*/	23070270	5847	*/ ROUTINE NAME = HE005200
	*/	23070360	5848	*/
	*/	23070450	5849	*/ STATUS = RELEASE 6
	*/	23070540	5850	*/
	*/	23070630	5851	*/ FUNCTION = PROCESS PARAMETERS FOR SMFSTART PROCEDURE
	*/	23070720	5852	*/
	*/	23070810	5853	*/ INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER
	*/	23070900	5854	*/
BUFFER	*/	23070990	5855	*/ OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER
	*/	23071080	5856	*/
	*/	23071170	5857	*/ EXITS = RETURN TO MAINLINE
	*/	23071260	5858	*/
	*/	23071350	5859	*/ CHANGE ACTIVITY = 11/06/79 RSH
	*/	23071440	5860	*/
	*****/	23071530	5861	*/ END OF SPECIFICATIONS *****/
08		23071710	D548 8D 07 1F D8C9	5863 HE005200 CLC HEPARM**7(8, XR2), HEY 4TH PARAMETER 'Y' ?
			D550 F2 01 0C	5864 JNE HE005299 NO - CONTINUE
09		23071890		
		23071980	D553 C0 87 CCE8	5866 B HE002100 SAVE PARAMETERS IN PPSA
10		23072160	D557 3C 03 D73D	5868 MVI HESRCHDP, THREE MOVE 3 TO DISPLACEMENT COUNTER
			D55B C0 87 CB72	5869 B HE002000 LOOK UP AND DISPLAY FORMAT
11		23072340		
NEXT SCREEN		23072520	D55F C0 87 C8C8	5871 HE005299 B HE000200 RETURN TO MAINLINE
		23072700		
		23072880		

E07

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	*****/	11900000	4645	*****
	*/	11910000	4646	*
	*/	11920000	4647	* SAVE THE FORMAT
	*/	11930000	4648	*
	*/	11940000	4649	*****
	*/	11950000		
	*/	11960000	4651	* \$WSIO DTF-HEWSDTF
	*/	11970000	4652	LA - HEWDFC 2 LOAD POINTS TO WORK STATION ETC

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	*****/	11900000	4645	*****
	*/	11910000	4646	*
	*/	11920000	4647	* SAVE THE FORMAT
	*/	11930000	4648	*
	*/	11940000	4649	*****
	*/	11950000		
	*/	11960000	4651	* \$WSIO DTF-HEWSDTF
	*/	11970000	4652	LA - HEWDFC 2 LOAD POINTS TO WORK STATION ETC

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	*****/	11900000	4645	*****
	*/	11910000	4646	*
	*/	11920000	4647	* SAVE THE FORMAT
	*/	11930000	4648	*
	*/	11940000	4649	*****
	*/	11950000		
	*/	11960000	4651	* \$WSIO DTF-HEWSDTF
	*/	11970000	4652	LA - HEWDFC 2 LOAD POINTS TO WORK STATION ETC

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DCAO 80
 DCA1 01
 DCA2 8000
 DCA4 08
 DCA5 55581F

F08

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*****/ 23073060
*/ 23073150
*/ 23073240
*/ 23073330
*/ 23073420
*/ 23073510
*/ 23073600
*/ 23073690
*/ 23073780
*/ 23073870
BUFFER */ 23073960
*/ 23074050
*/ 23074140
*/ 23074230
*/ 23074320
*/ 23074410
*****/ 23074500
23074680
23074770
23074950
23075130
23075220
23075400

\$HELP SYSTEM/34 HELP UTILITY	PAGE 149 V09/11/81 12/05/81 12:00
01 ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	5873 */* START OF SPECIFICATIONS *****/ 23075493
	5874 */* */ 23075496
03	5875 */* ROUTINE NAME = HE005300 */ 23075499
	5876 */* */ 23075502
	5877 */* STATUS = RELEASE 6 */ 23075505
	5878 */* */ 23075508
04	5879 */* FUNCTION = PROCESS PARAMETERS FOR APPLYPDF PROCEDURE */ 23075511
	5880 */* */ 23075514
	5881 */* INPUT = PARAMETERS ARE IN THE WORK STATION BUFFER */ 23075517
	5882 */* */ 23075520
05	5883 */* OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WORK STATION BUFFER */ 23075523
	5884 */* */ 23075526
06	5885 */* EXITS = RETURN TO MAINLINE */ 23075529
	5886 */* */ 23075532
	5887 */* CHANGE ACTIVITY = 09/03/81 RPLJ */ 23075535
07	5888 */* */ 23075538
	5889 */* END OF SPECIFICATIONS *****/ 23075541
08	D563 8D 07 OF D86C 5891 HE005300 CLC HEPARM2+7(8,XR2),HEALLPTF 2ND PARAMETER ALLPTF? 23075547
	D568 F2 81 0C 5892 JE HE005399 YES- CONTINUE 23075550
09	D56B C0 87 CCE8 5894 B HE002100 SAVE PARAMETERS IN PPSA 23075556
10	D56F 3C 01 D73D 5896 MVI HESRCHDP,ONE MOVE 1 TO DISPLACEMENT COUNTER 23075562
	D573 C0 87 C872 5897 B HE002000 LOOK UP AND DISPLAY FORMAT 23075565
11	D577 C0 87 C8C8 5899 HE005399 B HE000200 RETURN TO MAINLINE 23075571
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\$HELP SYSTEM/34 HELP UTILITY
01 ERR LOC OBJECT CODE
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08 D57B C0 87 CCE8
09 D57F 8D 07 OF D85C D584 F2 01 26
10 D587 3C 01 D73D
11 D588 C0 87 C872
12 D58F C0 87 CCE8
13 D593 8D 07 OF D874 D598 F2 81 08
14 D59B 3C 03 D73D D59F 3A 01 D781 D5A3 F2 87 08
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E08

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***** 12290000
* 12300000
* 12310000
* 12320000
***** 12330000
12350000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 113 V09/11/81 12/05/81 12:00
01 ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	4695 *E002630 \$WS10 OPC-GET,RCAD-NEWSBUFF,HELP-N,ROLL-N 12690000
	CF54 4696 HE002630 EQU * GENERATE WORK STN. I/O REQUEST
03	CF54 BC 01 1D 4697 MVI \$WSOPCC(,2),01 SET SPECIFIED OPERATION CODE
	CF57 C2 01 ECF0 4698 LA NEWSBUFF,1 LOAD RECORD AREA ADDRESS IN XR1
	CF5B B4 01 21 4699 ST \$WSRECC(,2),1 STORE RECORD AREA ADDRESS IN DTF
04	CF5E BC 00 38 4700 MVI \$WSKPSK(,2),0+0+0+0+0 MOVE KEY MASK TO DTF
	CF61 F4 01 04 4701 SVC X'04',X'01' CALL WORK STATION DATA MGMT.
	CF64 4702 BC A1'12' RC CALL NEWS MANAGEMENT

\$HELP SYSTEM/34 HELP UTILITY
01 ERR LOC OBJECT CODE
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04

15		7183 *** END OF EXPANSION **				29090000
		7184 * HETBL V-DC,NAME-LISTFILE, SUBR-35,PRIME-Y,TYPE-1,				29100000
		7185 * MASK-01010101010100000011111,MAND-1000000000				
16		0020 7186 LISTFILE EQU 45	TABLE ENTRY NUMBER			
	DCA0 80	DCA0 7187	DC	AL1(128+0+0+0+0) CTRL CODE		
	DCA1 01	DCA1 7188	DC	AL1(0+0+1) FORMAT TYPE BYTE		
17	DCA2 8000	DCA3 7189	DC	BL2'1000000000000000' MANDATORY FIELD MASK		
	DCA4 08	DCA4 7190	DC	AL1(11) SUBROUTINE TABLE DISPLACEMENT		
	DCA5 55581F	DCA7 7191	DC	BL3'01010101010100000011111' 960 SCREEN MASK		
18		7193 *** END OF EXPANSION **				

F09

V09/11/81 12/05/81 12:00	
**/	23075493
*/	23075496
*/	23075499
*/	23075502
*/	23075505
*/	23075508
*/	23075511
*/	23075514
*/	23075517
*/	23075520
*/	23075523
*/	23075526
*/	23075529
*/	23075532
*/	23075535
*/	23075538
**/	23075541
	23075547
	23075550
	23075556
R	23075562
	23075565
	23075571

01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 150	V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02		5901 */*	START OF SPECIFICATIONS *****/		23075580	
		5902 */*	*/		23075670	
03		5903 */*	ROUTINE NAME = HE005400		23075760	
		5904 */*	*/		23075850	
		5905 */*	STATUS = RELEASE 8		23075940	
		5906 */*	*/		23076030	
04		5907 */*	FUNCTION = PROCESS PARAMETERS FOR POST PROCEDURE		23076120	
		5908 */*	*/		23076210	
		5909 */*	INPUT = PARAMETERS ARE IN THE WRK STATION BUFFER		23076300	
05		5910 */*	*/		23076390	
		5911 */*	OUTPUT = PARAMETERS ARE SAVED IN THE PPSA & WRK STATION BUFFER		23076480	
		5912 */*	*/		23076570	
06		5913 */*	EXITS = RETURN TO MAINLINE		23076660	
		5914 */*	*/		23076750	
		5915 */*	CHANGE ACTIVITY = 02/05/81 RSS		23076840	
07		5916 */*	*/		23076930	
		5917 */*	END OF SPECIFICATIONS *****/		23077020	
08	D57B C0 87 CCE8	5919	HE005400 B HE002100	SAVE PARAMETERS IN PPSA	23077200	
09	D57F 8D 07 OF D85C D584 F2 01 26	5921 5922	CLC JNE	HEPARM2+7(8, XR2), HE11 HE005420	IS THE 2ND PARAMETER 'I1' NO - CONTINUE	23077380 23077470
10	D587 3C 01 D73D	5924	MVI	HESRCHDP, ONE	MOVE 1 TO DISPLACEMENT COUNTER	23077650
11	D58B C0 87 CB72	5926	B	HE002000	LOOK UP AND DISPLAY FORMAT	23077830
12	D58F C0 87 CCE8	5928	B	HE002100	SAVE PARAMETERS IN PPSA	23078010
13	D593 8D 07 OF D874 D598 F2 81 08	5930 5931	CLC JE	HEPARM2+7(8, XR2), HEAD HE005410	IS THE 2ND PARAMETER 'ADD' ? YES - CONTINUE	23078190 23078280
14	D59B 3C 03 D73D	5933	MVI	HESRCHDP, THREE	MOVE 3 TO DISPLACEMENT COUNTER	23078460
15	D59F 3A 01 D781 D5A3 F2 87 08	5934 5935	SBN J	HESWITCH, HE11PARM HE005430	SET POST PROC = 11 PARMS @483 CONTINUE	23078500 23078550

E09

V09/11/81 12/05/81 12:00	
12690000	

01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 114	V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02		4734 */*	START OF SPECIFICATIONS *****/		12960000	
		4735 */*	*/		12970000	
03		4736 */*	ROUTINE NAME = HE002700		12980000	
		4737 */*	*/		12990000	
		4738 */*	STATUS = RELEASE 3		13000000	
		4739 */*	*/		13010000	
04		4740 */*	FUNCTION = SET UP FOR JOBQ		13020000	
		4741 */*	*/		13030000	

15		
16	DCC8 00	DCC
	DCC9 01	DCC
17	DCCA 8000	DCC
	DCCC 00	DCC
	DCCD 0015AA	DCC

01	\$HELP SYSTEM/34 HELP UTILITY				
	ERR LOC OBJECT CODE	ADDR			
02	D5A6 3C 02 D73D D5AA F2 87 04				
03	D5AD 3C 04 D73D				
04	D5B1 C0 87 CB72				
05	D5B5 38 01 D781 D5B9 F2 90 0D				
06	D5BC 2C 07 D733 37				
07	D5C1 38 01 D781 D5C5 C0 87 D5CD				
08					D5C9
09	D5C9 C0 87 C8C8				

01	\$HELP SYSTEM/34 HELP UTILITY				
	ERR LOC OBJECT CODE	ADDR			
02	CFD5 7D 40 00 CFD8 F2 81 14				
03	CFD8 9C 00 00 00				
04	CFDF 02 01 01 CFE2 E2 02 01				

29290000
29300000

7336 *** END OF EXPANSION **	29326300
7337 * HETBL V-DC, NAME-POST4, TYPE-1,	
7338 * MASK-000000000010101010101	29327200
003C 7339 POST4 EQU 60 TABLE ENTRY NUMBER	
DD18 00 DD18 7340 DC AL1(0+0+0+0+0) CTRL CODE	
DD19 01 DD19 7341 DC AL1(0+0+1) FORMAT TYPE BYTE	
DD1A 0000 DD1B 7342 DC BL2'0000000000000000' MANDATORY FIELD MASK	
DD1C 00 DD1C 7343 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DD1D 001555 DD1F 7344 DC BL3'000000000010101010101' 960 SCREEN MASK	
7346 *** END OF EXPANSION **	

0041 7
DD40 00 DD40 7
DD41 01 DD41 7
DD42 0000 DD43 7
DD44 00 DD44 7
DD45 00A81F DD47 7

F12

9/11/81 12/05/81 12:00
23079366
23079369
23079372
23079375
23079378
23079381
23079384
23079387
23079390
23079393
23079396
23079399
23079402
23079405
23079408
23079411
23079414
23079420
23079426
23079429
23079432
23079438

\$HELP SYSTEM/34 HELP UTILITY		PAGE 153 W09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	5985 */* START OF SPECIFICATIONS *****/	23080000	
	5986 */* */	23090000	
03	5987 */* ROUTINE NAME = HEO09000	*/	23100000
	5988 */* */	*/	23110000
	5989 */* STATUS = RELEASE 3	*/	23120000
04	5990 */* */	*/	23130000
	5991 */* FUNCTION =	*/	23140000
	5992 */* IF A SCREEN IS UP, THIS ROUTINE WILL RETRIEVE	*/	23150000
05	5993 */* THE SPECIFIED ERROR MIC AND DISPLAY IT ON THE WRITE ERROR	*/	23160000
	5994 */* LINE. IF A DISPLAY IS UP, SYSLOG WILL BE CALLED.	*/	23170000
	5995 */* */	*/	23180000
06	5996 */* INPUT = XR1 CONTAINS THE ERROR MESSAGE MIC #	*/	23190000
	5997 */* */	*/	23200000
	5998 */* OUTPUT = SYSLOG PARAMETER LIST	*/	23210000
	5999 */* */	*/	23220000
07	6000 */* EXITS = SYSLOG IS CALLED	*/	23230000
	6001 */* */	*/	23240000
08	6002 */* CHANGE ACTIVITY = 04/10/78 NJB	*/	23250000
	6003 */* */	*/	23260000
	6004 */* END OF SPECIFICATIONS *****/	*/	23270000
09	D5DD 38 20 D781 6006 HEO09000 TBN HESWITCH, HESCRNUP HAS A SCREEN BEEN DISPLAYED ?	23290000	
	D5E1 F2 90 6E 6007 JF HEO09050 NO - CONTINUE	23300000	
10	D5E4 34 01 D717 6009 ST HEMSGPRM+MCLDMIC, XR1 STORE MIC # IN PARM LIST	23320000	
11	D5E8 3C 40 ED67 6011 MVI HEWSBUFF+119, BLANK CLEAR OUT WORK	23340000	
	D5EC 0C 76 ED66 ED67 6012 MVC HEWSBUFF+118(119), HEWSBUFF+119 STATION BUFFER	23350000	
12	D5F2 C2 02 D683 6014 LA HEWSDTF, XR2 XR2 --> WORKSTATION DTF	23370000	
13	D5F6 3C 50 D744 6016 MVI HEIND#, 80 SET FOR OVERRIDE INDICATOR	23390000	
	D5FA C0 87 CB34 6017 B HEO01300 SET ON SFGR INDICATOR	23395000	
14	6019 * \$WSIO OPC-PUT, OUTLEN=96, RCAD=HEWSBUFF	23410000	
	D5FE BC 02 1D 6020 MVI \$WSOPC(, 2), 02 SET SPECIFIED OPERATION CODE		
15	D601 C2 01 0060 6021 LA 96, 1 LOAD OUTPUT LENGTH INTO XR1		
	D605 B4 01 1F 6022 ST \$WSOUTL(, 2), 1 STORE OUTPUT LENGTH IN DTF		
	D608 C2 01 ECF0 6023 LA HEWSBUFF, 1 LOAD RECORD AREA ADDRESS IN XR1		
16	D60C B4 01 21 6024 ST \$WSRECA(, 2), 1 STORE RECORD AREA ADDRESS IN DTF		
	D60F F4 01 04 6025 SVC X'04', X'01' CALL WORK STATION DATA MGMT.		
	D612 13 D612 6026 DC AL1(19) RIB FOR DATA MANAGEMENT		
	6027 *** END OF EXPANSION **		

\$HELP SYSTEM/34 HELP UTILITY		PAGE 153 W09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR S		
02	D613 C2 02 D714	6	
03	D617 F4 01 04	6	
	D61A 09	D61A 6	
04	D61B C2 02 D683	6	
05	D61F AF 01 25 25	6	
06	D623 BC 06 1C	6	
	D626 BC 05 1D	6	
	D629 C2 01 0048	6	
07	D62D B4 01 1F	6	
	D630 C2 01 ECF0	6	
	D634 B4 01 21	6	
08	D637 F4 01 04	6	
	D63A 13	D63A 6	
09	D63B C2 01 D73B	6	
	D63F B4 01 25	6	
10	D642 0F 01 D7C7 D7C7	6	
11	D648 0C 01 CCE7 D74E	6	
	D64E C0 87 CBDC	6	
12	D652 C2 02 D6C7	6	
13	D656 B4 01 09	6	
14	D659 F4 01 04	6	
15	D65C 05	D65C 6	

E12

9/11/81 12/05/81 12:00
13590000
13600000
13610000
13620000
13630000
13640000
13650000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 117 W09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	4845 */* START OF SPECIFICATIONS *****/	13940000	
	4846 */* */	13950000	
03	4847 */* ROUTINE NAME = HEO02800	*/	13960000
	4848 */* */	*/	13970000
	4849 */* STATUS = RELEASE 3	*/	13980000
04	4850 */* */	*/	13990000
	4851 */* FUNCTION = SEARCH LIST TABLE AND DISPLAY LIST	*/	14000000
	4852 */* */	*/	14010000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 117 W09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR ST		
02	4845	48	
	4846	48	
03	4847	48	
	4848	48	
	4849	48	
04	4850	48	
	4851	48	
	4852	48	

29326300
29327200

15	7387 *** END OF EXPANSION **	29345000
	7388 * HETBL V-DC,NAME-PRLIST3,TYPE-1,	29346000
	7389 * MASK-00000000101010000011111	
16	0041 7390 PRLIST3 EQU 65 TABLE ENTRY NUMBER	
	DD40 00 DD40 7391 DC AL1(0+0+0+0+0) CTRL CODE	
	DD41 01 DD41 7392 DC AL1(0+0+1) FORMAT TYPE BYTE	
17	DD42 0000 DD43 7393 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DD44 00 DD44 7394 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DD45 00A81F DD47 7395 DC BL3'00000000101010000011111' 960 SCREEN MASK	
18	7397 *** END OF EXPANSION **	

15	DD68 80	
	DD69 01	
17	DD6A 0000	
	DD6C 00	
18	DD6D 5401FF	

F13

3	V09/11/81 12/05/81 12:00
***	23080000
*/	23090000
*/	23100000
*/	23110000
*/	23120000
*/	23130000
*/	23140000
*/	23150000
*/	23160000
*/	23170000
*/	23180000
*/	23190000
*/	23200000
*/	23210000
*/	23220000
*/	23230000
*/	23240000
*/	23250000
*/	23260000
***	23270000
2	23290000
	23300000
	23320000
	23340000
	23350000
	23370000
	23390000
	23395000
	23410000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 154	V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		
02	D613 C2 02 D714 6029 LA HEMSGPRM,XR2 XR2 --> MSG RETRIEVE PARM LIST 23430000		
	6031 * \$XFER ID-RMSG RETRIEVE MESSAGE 23450000		
03	D617 F4 01 04 6032 SVC 4,1		
	D61A 09 D61A 6033 DC AL1(RMSG)		
	6034 *** END OF EXPANSION **		
04	D61B C2 02 D683 6036 LA HEWSDTF,XR2 XR2 --> WORKSTATION DTF 23470000		
05	D61F AF 01 25 25 6038 SLC \$WS960(2,XR2),\$WS960(,XR2) CLEAR COMPRESS MASK @ 23490000		
	6040 * \$WSIO OPMD-ERROR,OPC-INV,OUTLEN-75,RCAD-HEWSBUFF 23510000		
06	D623 BC 06 1C 6041 MVI \$WSOPM(,2),06 SET SPECIFIED OPERATION MODIFIER		
	D626 BC 05 1D 6042 MVI \$WSOPC(,2),05 SET SPECIFIED OPERATION CODE		
	D629 C2 01 0048 6043 LA 75,1 LOAD OUTPUT LENGTH INTO XR1		
07	D62D B4 01 1F 6044 ST \$WSOUTL(,2),1 STORE OUTPUT LENGTH IN DTF		
	D630 C2 01 ECFO 6045 LA HEWSBUFF,1 LOAD RECORD AREA ADDRESS IN XR1		
	D634 B4 01 21 6046 ST \$WSRECA(,2),1 STORE RECORD AREA ADDRESS IN DTF		
08	D637 F4 01 04 6047 SVC X'04',X'01' CALL WORK STATION DATA MGMT.		
	D63A 13 D63A 6048 DC AL1(19) RIB FOR DATA MANAGEMENT		
	6049 *** END OF EXPANSION **		
09	D63B C2 01 D73B 6051 LA HETBLSAV+HECPMPK,XR1 XR1 --> COMPRESS MASK @ 23530000		
	D63F B4 01 25 6052 ST \$WS960(,XR2),XR1 RESTORE COMPRESS MASK @ 23540000		
10	D642 0F 01 D7C7 D7C7 6054 SLC HEINDTBL+11(2),HEINDTBL+11 RESET INDICATOR TABLE 23560000		
11	D648 0C 01 CCE7 D74E 6056 MWC HE002099+3(2),HELSTRIN SET DISPLAY RETURN TO LAST 23580000		
	6057 * SAVED RETURN ADDRESS 23590000		
	D64E C0 87 CBDC 6058 B HE002030 RETURN TO DISPLAY 23600000		
12			
13	D652 C2 02 D6C7 6060 HE009050 LA HERRPARM,XR2 XR2 --> SYSLOG PARAMETER LIST 23620000		
	D656 B4 01 09 6062 ST \$LGMIC(,XR2),XR1 STORE MIC # IN PARM LIST 23640000		
14	6064 * \$LOG 23660000		
	6065 * LINKAGE TO SYSLOG ROUTINES		
15	D659 F4 01 04 6066 SVC X'04',X'01' CALL SYSLOG WITH REFRESH		
	D65C 05 D65C 6067 DC XL1'05' SYSLOG RIB		
	6068 * END OF EXPANSION		
	6069 *** END OF EXPANSION **		

01	\$HELP SYSTEM/34 HELP UTILITY
	ERR LOC OBJECT CODE ADDR
02	D65D 34 08 D667
	D661 8D 8D 1B
10	D664 C0 01 0000
11	
12	
13	D668 3A 10 D781
	D66C 3A 20 D73C
14	D670 35 01 D764
	D674 1C 07 D778 07
15	D679 0C 01 D74E CCE7
16	D67F C0 87 CB76

E13

7	V09/11/81 12/05/81 12:00
***	13940000
*/	13950000
*/	13960000
*/	13970000
*/	13980000
*/	13990000
*/	14000000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 118	V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		
02	4877 */* START OF SPECIFICATIONS *****/ 14260000		
	4878 */* */ 14270000		
03	4879 */* ROUTINE NAME = HE002900 */ 14280000		
	4880 */* */ 14290000		
	4881 */* STATUS = RELEASE 3 */ 14300000		
	4882 */* */ 14310000		
04	4883 */* FUNCTION = LEFT JUSTIFY PARAMETERS */ 14320000		

01	\$HELP SYSTEM/34 HELP UTILITY
	ERR LOC OBJECT CODE ADDR
02	D096 7D 40 00
	D099 F2 81 0E
03	D09C 3A 80 D781
04	D0A0 9C 00 00 00

29345000
29346000
DD68 80
DD69 01
DD6A 0000
DD6C 00
DD6D 5401FF
7448 *** END OF EXPANSION **

743A *** END OF EXPANSION **	HETBL V-DC, NAME=PRSRCID, PRIME-Y, TYPE-1,	29430000
7440 *	MASK-010101000000001111111111	29440000
0046 7441 PRSRCID EQU 70	TABLE ENTRY NUMBER	
DD68 7442	DC AL1(128+0+0+0+0) CTRL CODE	
DD69 7443	DC AL1(0+0+1) FORMAT TYPE BYTE	
DD6A 0000	DC BL2'0000000000000000' MANDATORY FIELD MASK	
DD6C 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DD6D 5401FF	DC BL3'010101000000001111111111' %60 SCREEN MASK	
7448 *** END OF EXPANSION **		

DD90 80
DD91 01
DD92 0000
DD94 13
DD95 5600FF
DD98 00

F14

154 V09/11/81 12/05/81 12:00
LIST 23430000
23450000
23470000
23490000
23510000
23530000
23540000
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23590000
23600000
23620000
23640000
23660000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 155 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	6071 */* START OF SPECIFICATIONS *****/
	6072 */* */
03	6073 */* ROUTINE NAME = HEO09100 */
	6074 */* */
	6075 */* STATUS = RELEASE 3 */
	6076 */* */
04	6077 */* FUNCTION = CHECK FOR WORKSTATION PERMANENT ERROR. */
	6078 */* RE-DISPLAY LAST PRIME FORMAT IF A WORKSTATION */
	6079 */* ERROR HAS OCCURRED. */
05	6080 */* */
	6081 */* INPUT = XR2 POINTS TO WORKSTATION DTF. */
	6082 */* */
06	6083 */* OUTPUT = NONE */
	6084 */* */
	6085 */* EXITS = NORMAL - RETURN TO CALLER ON ARR */
07	6086 */* ERROR - RE-DISPLAY LAST PRIME FORMAT */
	6087 */* */
	6088 */* CHANGE ACTIVITY = 10/15/78 RSH */
08	6089 */* */
	6090 */* END OF SPECIFICATIONS *****/
09	D65D 3A 08 D667 6092 HEO09100 ST HEO09110+3,ARR SAVE RETURN ADDRESS 23890000
	D661 BD 80 1B 6094 CLI \$MSRTRC(XR2), \$MSRPE DID A PERMANENT ERROR OCCUR ? 23910000
10	D664 C0 01 0000 6095 HEO09110 BNE # NO - RETURN TO CALLER 23920000
	6097 *****/
	6098 * *
	6099 * A PERMANENT WORKSTATION ERROR HAS OCCURRED. RESET POINTERS * 23960000
12	6100 * AND DISPLAY LAST PRIME FORMAT. * 23970000
	6101 * * 23980000
	6102 *****/
13	D668 3A 10 D781 6104 SBN HESWITCH, HEIDERROR SET I/O ERROR MESSAGE PENDING 24010000
	D66C 3A 20 D73C 6105 SBN HESSEARCH, HESRCHNM SEARCH BY NAME AND NOT TYPE 24020000
	D670 35 01 D764 6107 L HEFMTBLA, XR1 XR1 --> LAST PRIME INDEX ENTRY 24040000
15	D674 1C 07 D778 07 6108 MVC HEFORMAT(8), FMTNME(XR1) RESTORE LAST PRIME FORMAT NAME 24050000
	D679 0C 01 D74E CCE7 6110 MVC HELSTRN(2), HEO02099+3 FORCE NORMAL RETURN AFTER ERROR 24070000
16	D67F C0 87 CB76 6112 B HEO02010 DISPLAY LAST PRIME FORMAT 24090000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
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E14

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*****/
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\$HELP SYSTEM/34 HELP UTILITY	PAGE 119 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	D096 7D 40 00 4913 HEO02930 CLI 0C, XR1), BLANK IS THE POSITION BLANK ? 14620000
	D099 F2 81 0E 4914 JE HEO02940 YES - CONTINUE 14630000
03	D09C 3A 80 D781 4916 SBN HESWITCH, HECHAR SET ON CHARACTER SWITCH 14650000
04	D0A0 9C 00 00 00 4918 MVC 0C, XR2), 0C1, XR1) MOVE CHARACTER TO BUFFER 14670000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
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29430000
29440000
DD90 80
DD91 01
DD92 0000
DD94 13
DD95 5600FF
DD98 00

7489 *** END OF EXPANSION **	29510000
7490 * HETBL V-DC,NAME-RESTORE, SUBR-39, PRIME-Y, TYPE-1,	29520000
7491 * MASK-010101100000000111111	
0048 7492 RESTORE EQU 75 TABLE ENTRY NUMBER	
DD90 80 DD90 7493 DC AL1(128+0+0+0+0) CTRL CODE	
DD91 01 DD91 7494 DC AL1(0+0+1) FORMAT TYPE BYTE	
DD92 0000 DD92 7495 DC BL2'0000000000000000' MANDATORY FIELD MASK	
DD94 13 DD94 7496 DC AL1(19) SUBROUTINE TABLE DISPLACEMENT	
DD95 5600FF DD97 7497 DC BL3'0101011000000001111111' 960 SCREEN MASK	
7499 *** END OF EXPANSION **	
7500 * HETBL V-DC,NAME-RESTORE2,TYPE-1,	29530000
7501 * MASK-000000001010101000001111	29540000
004C 7502 RESTORE2 EQU 76 TABLE ENTRY NUMBER	
DD98 00 DD98 7503 DC AL1(0+0+0+0+0) CTRL CODE	

F15

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*/ 23680000
*/ 23690000
*/ 23700000
*/ 23710000
*/ 23720000
*/ 23730000
*/ 23740000
*/ 23750000
*/ 23760000
*/ 23770000
*/ 23780000
*/ 23790000
*/ 23800000
*/ 23810000
*/ 23820000
*/ 23830000
*/ 23840000
*/ 23850000
*/ 23860000
*/ 23870000

23890000
R ? 23910000
23920000

* 23940000
* 23950000
RS * 23960000
* 23970000
* 23980000

23990000
ING 24010000
E 24020000
NTRY 24040000
NAME 24050000
ERROR 24070000
24090000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 156 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	6114 *****
	6115 * 24110000
	6116 * WORK STATION DTF * 24120000
	6117 * * 24130000
	6118 ***** * 24140000
	6118 ***** * 24150000
04	6120 *EWSDTF \$DTFW INDEXA-HEINDEX,NUMFMT-32,CMFLAG-HETBSAV+HECPYMSK, 24170000
	6121 * NAME-HELP,INDA-HEINDTBL 24180000
05	D683 00 D683 6122 HEWSDTF EQU * 24190000
	D684 0000 D683 6123 DC AL1(192) DEVICE CODE 24200000
	D684 0000 D685 6124 DC XL2'00' DATA MANAGEMENT ADDRESS 24210000
06	D686 00 D686 6125 DC B1'00000000' EXTERNAL INDICATORS 24220000
	D687 0000 D688 6126 DC YL2'00' BACKWARD CHAIN 24230000
	D689 FFFF D68A 6127 DC AL2(65535) FORWARD CHAIN 24240000
07	D68B 0000 D68C 6128 DC XL2'00' LOGICAL RECORD ADDRESS 24250000
	D68D 40 D68D 6129 DC XL1'40' COMPLETION CODE 24260000
	D68E 00 D68E 6130 DC XL1'00' OPERATION CODE 24270000
08	D68F 00 D68F 6131 DC XL1'00' ATTRIBUTE BYTE 1 24280000
	D690 00 D690 6132 DC XL1'00' ATTRIBUTE BYTE 2 24290000
	D691 00 D691 6133 DC XL1'00' ATTRIBUTE BYTE 3 24300000
09	D692 00 D692 6134 DC AL1(00) ATTRIBUTE BYTE 4 24310000
	D693 0000 D694 6135 DC XL2'00' RECORD LENGTH 24320000
	D695 C8C5D3D740404040 D69C 6136 DC CL8'HELP' FILE NAME 24330000
10	D69D 00 D69D 6137 DC XL1'00' STATUS INQUIRY RETURN CODE 24340000
	D69E 00 D69E 6138 DC XL1'00' WSDM RETURN CODE 24350000
	D69F 00 D69F 6139 DC XL1'00' OPERATION CODE MODIFIER 24360000
11	D6A0 00 D6A0 6140 DC XL1'00' WORK STATION OPERATION CODE 24370000
	D6A1 0000 D6A2 6141 DC AL2(0000) OUTPUT LENGTH 24380000
	D6A3 EDFB D6A4 6142 DC AL2(HEINDEX) ADDRESS OF FORMAT INDEX AREA 24390000
12	D6A5 0000 D6A6 6143 DC AL2(00) TERMINAL UNIT BLOCK ADDRESS 24400000
	D6A7 D73B D6A8 6144 DC AL2(HETBSAV+HECPYMSK) ADDRESS OF COMPRESS MASK 24410000
	D6A9 00 D6A9 6145 DC XL1'00' AID BYTE FIELD 24420000
13	D6AA 00 D6AA 6146 DC XL1'00' INTERNAL WS OPERATION CODE 24430000
	D6AB 20 D6AB 6147 DC AL1(32) MAXIMUM NO. OF FORMATS IN INDEX 24440000
	D6AC 01 D6AC 6148 DC AL1(01) NUMBER OF LINES IN ROLL AREA 24450000
14	D6AD 01 D6AD 6149 DC AL1(01) START LINE NUMBER OF ROLL AREA 24460000
	D6AE 18 D6AE 6150 DC AL1(24) END LINE NUMBER IN ROLL AREA 24470000
	D6AF 01 D6AF 6151 DC AL1(01) VARIABLE START LINE NUMBER 24480000
15	D6B0 D7BC D6B1 6152 DC AL2(HEINDTBL) ADDRESS OF INDICATOR AREA 24490000
	D6B2 4040404040404040 D6B9 6153 DC CL8' ' FORMAT MEMBER NAME 24500000
	D6B8A 0000 D6BB 6154 DC AL2(0000) MAXIMUM INPUT DATA LENGTH 24510000
16	D6BC 4040 D6BD 6155 DC CL2' ' SYMBOLIC TERMINAL ID 24520000
	D6BE 00 D6BE 6156 DC AL1(00+00+00+00+00) KEY MASKS 24530000
	D6BF 0000 D6C0 6157 DC AL2(00) ADDRESS OF RPG DTF EXTENSION 24540000
17	D6C1 0000 D6C2 6158 DC AL2(00) ADDRESS OF TERMINAL ID TABLE 24550000
	D6C3 00 D6C3 6159 DC AL1(00) LENGTH OF TABLE ENTRY 24560000
	D6C4 01 D6C4 6160 DC AL1(01) MAXIMUM NO. OF TERMINALS IN FILE 24570000
18	D6C5 0000 D6C6 6161 DC XL2'00' RESERVED 24580000
	6162 *** END OF EXPANSION **

E15

119 V09/11/81 12/05/81 12:00
14620000
14630000
14650000
14670000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 120 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	4940 */* START OF SPECIFICATIONS *****/ 14890000
	4941 */* */ 14900000
03	4942 */* ROUTINE NAME = HE003000 */ 14910000
	4943 */* */ 14920000
	4944 */* STATUS = RELEASE 3 */ 14930000
	4945 */* */ 14940000
04	4946 */* FUNCTION = PROCESS PARAMETERS FOR ALTERBSC PROCEDURE */ 14950000

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\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
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\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
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29520000
29530000
29540000

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005	DDC0 80
DDC	DDC1 01
DDC	DDC2 A000
DDC	DDC4 00
DDC	DDC5 55541F

V09/11/81 12/05/81 12:00
** 24110000
* 24120000
* 24130000
* 24140000
** 24150000
24170000
24180000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 157	V09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		6164	*****
		6165 *	
03		6166 *	TYPE-1 SYSLOG PARAMETER LIST
		6167 *	
		6168	*****
04		6170	*ERRPARM \$LMSG TYPE-1,COMID-HE,SUBID-LP,FORMAT-Y,HALT-Y,MIC-0000,
		6171 *	OPTN3-Y,WRSTE-Y,HIST-Y,MSGMBR-SSP,PGMID-SSP
05	D6C7	6172	HERRPARM EQU *
		6173	*****
		6174 *	
06		6175 *	SYSLOG PARAMETER LIST
		6176 *	TYPE-1
		6177 *	
		6178	*****
07	D6C7 DB	D6C7 6180	DC AL1(128+64+16+8+2+1) FUNCTION BYTE
08	D6C8 00	D6C8 6181	DC AL1(0+0+0+0+0+0) FCN 2
	D6C9 20	D6C9 6182	DC AL1(32) MESSAGE MEMBER
	D6CA 01	D6CA 6183	DC AL1(1) PROGRAM ID
09	D6CB C8C5	D6CC 6184	DC CL2 'HE' COMPONENT ID
	D6CD D3D7	D6CE 6185	DC CL2 'LP' SUBCOMPONENT ID
	D6CF 0000	D6D0 6186	DC XL2 '0000' MIC
10	D6D1 01	D6D1 6187	DC AL1(1) OPTIONS
	D6D2 0000	D6D3 6188	DC AL2(0) TUB ADDRESS
		6189	* END OF EXPANSION
		6190	*** END OF EXPANSION **

01	\$HELP SYSTEM/34 HELP UTILITY	
02	ERR LOC OBJECT CODE	ADDR
08	D6D4 C7	D6D4
	D6D5 00	D6D5
	D6D6 80	D6D6
	D6D7 0A	D6D7
09	D6D8 4040	D6D9
	D6DA 4040	D6DB
	D6DC 1032	D6DD
	D6DE 00	D6DE
	D6DF 40	D6DF
	D6E0 4040	D6E1
	D6E2 4040404040404040	D6E9
	D6EA 0000	D6EB
		D6E2

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/ 14890000
/ 14900000
/ 14910000
/ 14920000
/ 14930000
/ 14940000
/ 14950000
/ 14960000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 121	V09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		4963 */*	START OF SPECIFICATIONS *****
		4964 */*	
03		4965 */*	ROUTINE NAME = HE003100
		4966 */*	
		4967 */*	STATUS = RELEASE 3
		4968 */*	
04		4969 */*	FUNCTION = PROCESS PARAMETERS FOR FORMAT PROCEDURE
		4970 */*	

01	\$HELP SYSTEM/34 HELP UTILITY	
02	ERR LOC OBJECT CODE	ADDR

15	7550 *** END OF EXPANSION **				29623000	
	7551 *	HETBL V-DC, NAME-SAVELIBR, PRIME-Y, TYPE-1, MAND-101000000,			29626000	
	7552 *	MASK-010101010101010000011111				
16	0051 7553 Savelibr EQU 81	TABLE ENTRY NUMBER				
	DDCO 80	DDCO 7554	DC	AL1(128+0+0+0+0) CTRL CODE		
	DDC1 01	DDC1 7555	DC	AL1(0+0+1) FORMAT TYPE BYTE		
17	DDC2 A000	DDC3 7556	DC	BL2'10100000000000' MANDATORY FIELD MASK		
	DDC4 00	DDC4 7557	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DDC5 55541F	DDC7 7558	DC	BL3'0101010101010000011111' 960 SCREEN MASK		
18						
	7560 *** END OF EXPANSION **					

16	DDE8 80	DDE8				0056
	DDE9 01	DDE9				DDE9
	DDEA 0000	DDEB				DDEB
	DDEC 00	DDEC				DDEC
	DDED 5500FF	DDEF				DDEF

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\$HELP SYSTEM/34 HELP UTILITY		PAGE 158		09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02	24200000	6192	*****		24290000
	24210000	6193 *			24300000
	24220000	6194 *	TYPE-4 SYSLOG PARAMETER LIST		24310000
	24230000	6195 *			24320000
	24240000	6196	*****		24330000
04	24260000	6198	*ESLPRM \$LMSG TYPE-4,WRSTE-Y,FORMAT-N,HALT-N,HIST-Y,CRT-Y,MIC-1032,		24350000
	24270000	6199 *	MSGMBR-HEAD		24360000
		D6D4 6200	HESLPRM EQU *		
05		6202	*****		
		6203 *			
06		6204 *	SYSLOG PARAMETER LIST		
		6205 *	TYPE-4		
		6206 *			
		6207	*****		
08	D6D4 C7	D6D4 6209	DC AL1(132+64+0+0+2+1) TYPE 4		
	D6D5 00	D6D5 6210	DC AL1(0+0+0+0+0+0) FCN BYTE 2		
	D6D6 80	D6D6 6211	DC AL1(128) MESSAGE MEMBER		
	D6D7 0A	D6D7 6212	DC AL1(10) PROGRAM ID		
	D6D8 4040	D6D9 6213	DC CL2' ' COMPONENT ID (DEFAULT)		
	D6DA 4040	D6DB 6214	DC CL2' ' SUBCOMPONENT ID (DEFAULT)		
	D6DC 1032	D6DD 6215	DC XL2'1032' MIC		
	D6DE 00	D6DE 6216	DC AL1(0) NOT USED WITH HALT-N		
	D6DF 40	D6DF 6217	DC CL1' ' NOT USED		
	D6E0 4040	D6E1 6218	DC CL2' ' NOT USED		
	D6E2 4040404040404040	D6E9 6219	DC CL8' ' 8 BYTES TO ADD TO MESSAGE		
	D6EA 0000	D6EB 6220	DC AL2(0) TUB ADDRESS		
		6221 *	END OF EXPANSION		
		6222 ***	END OF EXPANSION **		
13		D6E2 6224	HEJQMSG EQU HESLPRM+\$LGD8BYT-7 LEFT a OF MESSAGE		24380000

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ERR LOC	OBJECT CODE	ADDR			
02					
04					
06					
	D6EC				
	D6EC A500	D6ED			
	D6EE ECFO	D6EF			
	D6F0 78	D6F0			
	D6F1 D6E2	D6F2			
	D6F3 00	D6F3			
	D6F4 0000	D6F5			
	D6F6 00	D6F6			
	D6F7 00	D6F7			

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\$HELP SYSTEM/34 HELP UTILITY		PAGE 122		09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02	15120000	4995 */*	START OF SPECIFICATIONS *****		15440000
	15130000	4996 */*			15450000
	15140000	4997 */*	ROUTINE NAME = HE003200		15460000
	15150000	4998 */*			15470000
	15160000	4999 */*	STATUS = RELEASE 3		15480000
	15170000	5000 */*			15490000
04	15180000	5001 */*	FUNCTION = PROCESS PARAMETERS FOR FROMLIBR PROCEDURE		15500000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 122		09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR			
02					
04					

END-101000000,	29623000
	29626000
LD MASK	
PLACEMENT	
SCREEN MASK	

15	7601 *** END OF EXPANSION **	29690000
	7602 * HETBL V-DC,NAME-SYSLIST,PRIME-Y,TYPE-1,	
	7603 * MASK-010101010000000011111111	29700000
16	0056 7604 SYSLIST EQU 86 TABLE ENTRY NUMBER	
	DDE8 80 DDE8 7605 DC AL1(128+0+0+0+0) CTRL CODE	
	DDE9 01 DDE9 7606 DC AL1(0+0+1) FORMAT TYPE BYTE	
17	DDEA 0000 DDEB 7607 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DDEC 00 DDEC 7608 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
18	DDED 5500FF DDEF 7609 DC BL3'010101010000000011111111' 960 SCREEN MASK	
	7611 *** END OF EXPANSION **	

15	DE10 0
	DE11 0
17	DE12 0
	DE14 0
18	DE15 0

F18

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***** 24290000
* 24300000
* 24310000
* 24320000
***** 24330000
-Y,CRT-Y,MIC-1032, 24350000
24360000

* 24380000
* 24390000

MESSAGE 24380000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 159 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	6226 *****	24400000
	6227 * *	24410000
03	6228 * COMMAND PROCESSOR PARAMETER LIST	24420000
	6229 * *	24430000
	6230 *****	24440000
04	6232 *ECPPARM CMOCL V-DC, INP@-HEWSBUFF, OUT@-HEJQMSG	24460000
05	6234 * PARAMETER LIST FOR THE COMMAND PROCESSOR SVC INTERFACE	
06	D6EC 6236 HECPPARM EQU *	
07	D6EC A500 D6ED 6238 DC XL2'A500' EVENT CONTROL MASK (ECM)	
	D6EE ECFO D6EF 6239 DC AL2(HEWSBUFF) ADDRESS OF INPUT DATA	
	D6FO 78 D6FO 6240 DC AL1(120) LENGTH OF INPUT DATA	
	D6F1 D6E2 D6F2 6241 DC AL2(HEJQMSG) ADDRESS OF OUTPUT FROM CP	
08	D6F3 00 D6F3 6242 DC XL1'0' LENGTH OF OUTPUT	
	D6F4 0000 D6F5 6243 DC XL2'0' RETURN CODE	
	D6F6 00 D6F6 6244 DC AL1(0+0) FUNCTION CODE	
09	D6F7 00 D6F7 6245 DC XL1'00' FLAG BYTE	
	6246 *** END OF EXPANSION **	

\$HELP SY	
ERR LOC O	
02	D6F8 00
	D6F9 40
	D6FA 40
06	D6FB A0
	D6FC 00
	D6FD 00
07	D6FE EF
	D700 01
	D701 00
08	D702 00
	D704 00
	D706 00
09	D708 00
	D70A 00
	D70B 00
	D70C 00
10	D70D 00
	D70E 00
	D711 00

E18

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*****/ 15440000
*/ 15450000
*/ 15460000
*/ 15470000
*/ 15480000
*/ 15490000
*/ 15500000
PROCEDURE */ 15500000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 123 V09/11/81 12/05/81 12:00	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	5033 */* START OF SPECIFICATIONS *****/	15820000
	5034 */*	15830000
03	5035 */* ROUTINE NAME = HEO03300	15840000
	5036 */*	15850000
	5037 */* STATUS = RELEASE 3	15860000
04	5038 */*	15870000
	5039 */* FUNCTION = PROCESS PARAMETERS FOR HISTORY PROCEDURE	15880000

\$HELP SYS	
ERR LOC O	
02	15890000
03	15900000
04	15910000

29690000
29700000

15	7652 *** END OF EXPANSION **	29790000
	7653 * HETBL V-DC, NAME-TRANSFR3, TYPE-1,	29800000
	7654 * MASK-00000000000010101010101	
16	005B 7655 TRANSFR3 EQU 91 TABLE ENTRY NUMBER	
	DE10 00 DE10 7656 DC AL1(0+0+0+0+0) CTRL CODE	
	DE11 01 DE11 7657 DC AL1(0+0+1) FORMAT TYPE BYTE	
17	DE12 0000 DE13 7658 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DE14 00 DE14 7659 DC AL1(*) SUBROUTINE TABLE DIS'ACEMENT	
	DE15 000555 DE17 7660 DC BL3'000000000000101010101' 960 SCREEN MASK	
18	7662 *** END OF EXPANSION **	
19		
20		

DE38 80
DE39 01
DE3A 4000
DE3C 00
DE3D 55541F

F19

E 159 V09/11/81 12/05/81 12:00
***** 24400000
* 24410000
* 24420000
* 24430000
***** 24440000
24460000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 160 V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	6248 *****	24480000
	6249 * *	24490000
03	6250 * IOB PARAMETER LIST *	24500000
	6251 * *	24510000
	6252 *****	24520000
04	6254 *EIOB \$IOBD V-DC, CMD-READ, SS-0, NUM-2, BUFF-HEIOBUFF, RETURN-NO	24540000
	D6F8 6255 HEIOB EQU *	
05	D6F8 00 D6F8 6256 DC AL1(0) EVENT CONTROL MASK	
	D6F9 40 D6F9 6257 DC XL1'40' COMPLETION CODE	
	D6FA 40 D6FA 6258 DC AL1(0+0+64+0) FLAG BYTE	
06	D6FB A1 D6FB 6259 DC AL1('A1') COMMAND CODE	
	D6FC 00 D6FC 6260 DC AL1(0) COMMAND MODIFIER	
	D6FD 00 D6FD 6261 DC XL1'00' UNIT ADDRESS	
07	D6FE EBFO D6FF 6262 DC AL2(HEIOBUFF) DATA BUFFER ADDRESS	
	D700 01 D700 6263 DC AL1(2-1) NO OF SECTORS MINUS ONE	
	D701 00 D701 6264 DC XL1'00' FLAG BYTE TWO	
08	D702 0000 D703 6265 DC XL2'0000' SENSE BYTES 0 AND 1	
	D704 0000 D705 6266 DC XL2'0000' SENSE BYTES 2 AND 3	
	D706 0000 D707 6267 DC XL2'0000' SENSE BYTES 4 AND 5	
09	D708 0000 D709 6268 DC XL2'0000' TCB ADDRESS	
	D70A 00 D70A 6269 DC XL1'00' ERROR COUNT	
	D70B 00 D70B 6270 DC XL1'00' RESERVED	
10	D70C 00 D70C 6271 DC XL1'00' RESERVED	
	D70D 00 D70D 6272 DC XL1'00' RESERVED	
	D70E 000000 D710 6273 DC IL3'0' RELATIVE SECTOR ADDRESS	
11	D711 000000 D713 6274 DC XL3'000000' LAST SECTOR PROCESSED	
	6275 *** END OF EXPANSION **	
12		
13		
14		
15		
16		
17		
18		
19		
20		

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
D714 20
D715 04
D716 0000
D718 ECFO
D71A 48
D71B FFFF
D71D 0000
D71F 00
D720 00
D721 00
D722 00
D723 80
D724 09
D725 D72C
D727 000000
D72A 07
D72B F8
D72C 4040404040404040

E19

E 123 V09/11/81 12/05/81 12:00
*****/ 15820000
*/ 15830000
*/ 15840000
*/ 15850000
*/ 15860000
*/ 15870000
*/ 15880000
*/ 15890000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 124 V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	5059 */* START OF SPECIFICATIONS *****/	16080000
	5060 */* */	16090000
03	5061 */* ROUTINE NAME = HE003400	16100000
	5062 */* */	16110000
	5063 */* STATUS = RELEASE 3	16120000
	5064 */* */	16130000
04	5065 */* FUNCTION = PROCESS PARAMETERS FOR LIBRILBR PROCEDURE	16140000
	5066 */* */	16150000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE

29790000
29800000

15	7703 *** END OF EXPANSION **	29845000
16	7704 * HETBL V-DC, NAME-XSAVE, PRIME-Y, TYPE-1, MAND-010000000,	29846000
	7705 * MASK-010101010101010000011111	
	0060 7706 XSAVE EQU 96 TABLE ENTRY NUMBER	
	DE38 80 DE38 7707 DC AL1(128*0+0+0+0+0) CTRL CODE	
	DE39 01 DE39 7708 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DE3A 4000 DE3B 7709 DC BL2'0100000000000000' MANDATORY FIELD MASK	
	DE3C 00 DE3C 7710 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DE3D 55541F DE3F 7711 DC BL3'0101010101010000011111' 960 SCREEN MASK	
18	7713 *** END OF EXPANSION **	

DE60 E0
DE61 02
DE62 0000
DE64 00
DE65 5FFC00

F20

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***** 24480000
* 24490000
* 24500000
* 24510000
***** 24520000
24540000

01	\$HELP SYSTEM/34 HELP UTILITY		PAGE 161	V09/11/81 12/05/81 12:00
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	6277	*****	24560000	
	6278 *	*	24570000	
03	6279 *	MESSAGE RETRIEVE PARAMETER LIST	24580000	
	6280 *	*	24590000	
	6281	*****	24600000	
04	6283 *EMSGPRM MCLEQ V-DC, MBR-SYSTEM, LEV-1, MIC-0000, BUFF@-NEWSBUFF, LANG-MSGRT		24620000	
	D714 6284 HEMSGPRM EQU *			
	6285 * MESSAGE CONTROLLER PARAMETER LIST CONSTANTS			
05	D714 20 D714 6286 DC AL1(MCLMEROR) MESSAGE MEMBER IDENTIFIER BYTE			
	D715 04 D715 6287 DC AL1(MCLMLEV1+MCLMDOCK) MESSAGE LEVEL AND CONTROL BYTE			
06	D716 0000 D717 6288 DC XL2'0000' MESSAGE IDENTIFICATION CODE			
	D718 ECFO D719 6289 DC AL2(NEWSBUFF) BUFFER ADDRESS FOR MESSAGE			
	D71A 4B D71A 6290 DC AL1(MCLMLDF) DEFAULT LEV1 LENGTH			
07	D71B FFFF D71C 6291 DC AL2(MCLMLCBO) DEFAULT JCB ADDR			
	D71D 0000 D71E 6292 DC XL2'0000' USED FOR RETURN			
	D71F 00 D71F 6293 DC XL1'00' ACTUAL MSG LGTH			
08	D720 00 D720 6294 DC AL1(0) RESERVED			
	D721 00 D721 6295 DC AL1(0) RESERVED			
	D722 00 D722 6296 DC AL1(0) RESERVED			
09	6297 *** END OF EXPANSION **			
	6299 *****		24621600	
10	6300 *	*	24622400	
	6301 * INFORMATION RETRIEVAL PARAMETER LIST AND BUFFER	*	24623200	
	6302 *	*	24624000	
11	6303 *****		24624800	
	6305 *OCAL249 \$INFO PUT-LOCAL, LEN=8, OFFSET=249, BUFFER-PARM11	aa483	24626400	
12	D723 80 D723 6306 LOCAL249 EQU * INFORMATION RETRIEVAL PARM LIST			
	D724 09 D724 6307 DC AL1(\$INFPUT+0) FUNCTION BYTE			
13	D725 D72C D726 6309 DC AL2(PARM11) REQUEST BYTE			
	D727 000000 D729 6310 DC XL3'0' BUFFER ADDRESS			
14	D72A 07 D72A 6311 DC AL1(8-1) UNUSED FIELDS			
	D72B F8 D72B 6312 DC AL1(249-1) LENGTH OF LOCAL REQUEST MINUS 1			
	6313 *** END OF EXPANSION **			
15	D72C 4040404040404040 D733 6316 EQU * SAVE AREA FOR 11TH PARM	aa483	24628000	
16		aa483	24628800	

01	ERR LOC OBJECT CODE	
02		
03		
04	D734 0000000000000000	
05	D73C 00	
06		
07	D73D 00	
08	D73E 00	
	D73F 00	
	D740 00	
09	D741 00	
	D742 00	
	D743 00	
	D744 00	
10	D745 0000	
	D747 0000	
	D749 0000	
	D74B 000C	
12	D74D 0000	
	D74F 0000	
	D751 0000	
13	D753 0000	
	D755 0000	
	D757 0000	
14	D759 ED3F	
	D75B DB38	
	D75D 0000	
	D75F DB38	
15	D761 0000	
	D763 EDF8	
16	D765 0000	
	D767 EDF8	
	D769 0000	
	D76B 0008	
	D76D 0010	
	D76F C8C8	
18	D771 4040404040404040	
	D779 4040404040404040	

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*****/ 16080000
/ 16090000
/ 16100000
/ 16110000
/ 16120000
/ 16130000
/ 16140000

01	\$HELP SYSTEM/34 HELP UTILITY		PAGE 125	V09/11/81 12/05/81 12:00
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	5085 */*	START OF SPECIFICATIONS *****/	16340000	
	5086 */*	*/	16350000	
03	5087 */*	ROUTINE NAME = HEO03500	16360000	
	5088 */*	*/	16370000	
	5089 */*	STATUS = RELEASE 8	16380000	
	5090 */*	*/	16390000	
04	5091 */*	FUNCTION = PROCESS PARAMETERS FOR LISTFILE PROCEDURE	16400000	
	5092 */*	*/		

01	ERR LOC OBJECT CODE	
02		
03		
04		

00000,	29845000
	29846000
K	
NT	
MASK	

15	7754 *** END OF EXPANSION **	29930000
	7755 * HETBL V-DC, NAME-CHANGE, PRIME-Y, TYPE-2, NEXEC-Y, SPLIT-Y,	29940000
	7756 * MASK-010111111111111100000000	
16	0065 7757 CHANGE EQU 101 TABLE ENTRY NUMBER	
	DE60 E0 DE60 7758 DC AL1(128+64+32+0+0+0) CTRL CODE	
17	DE61 02 DE61 7759 DC AL1(0+0+2) FORMAT TYPE BYTE	
	DE62 0000 DE63 7760 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DE64 00 DE64 7761 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DE65 5FFC00 DE67 7762 DC BL3'010111111111110000000000' 960 SCREEN MASK	
18	7764 *** END OF EXPANSION **	
19		
20		

15	
16	DE88 A0
17	DE89 02
	DE8A 0000
	DE8C 00
18	DE8D 4CF01F
19	
20	

F21

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*****	24560000		
*	24570000		
*	24580000		
*	24590000		
*****	24600000		
SBUFF, LANG-MSGRT	24620000		
BYTE			
CONTROL BYTE			
E			
*****	24621600		
*	24622400		
*	24623200		
*	24624000		
*****	24624800		
LIST	24626400		
US 1			
US 1			
TH PARM	24628000		
24628800			

\$HELP SYSTEM/34 HELP UTILITY	PAGE 162	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	6318	*****	*****	24640000
	6319	*		24650000
03	6320	*	CONSTANTS AND EQUATES	24660000
	6321	*		24670000
	6322	*****	*****	24680000
04	D734	6324	HETBLSAV EQU *	TABLE ENTRY SAVE AREA
	D738	6325	DC XL(HETBLEN)'00'	24700000
05	D73C	00	D73C 6327 HESARCH DC XL1'00'	TABLE SEARCH CONTROL BYTE
	0080	6328	HESRCHFV EQU X'80'	SEARCH FORWARD
06	0040	6329	HESRCHBV EQU X'40'	SEARCH BACKWARD
	0020	6330	HESRCHNV EQU X'20'	SEARCH FOR NAME ONLY
	0010	6331	HESRCHOK EQU X'10'	SEARCH OK FOR NON CALLABLE
07	D73D	00	0008 6332 HESRCHPR EQU X'08'	SEARCH FOR PRIME BY DISPLACEMENT
	D73D	6333	HESRCHDP DC XL1'00'	SEARCH DISPLACEMENT FROM PRIME
08	D73E	00	D73E 6335 HEFMTCTR DC XL1'00'	FORMAT COUNTER
	D73F	00	D73F 6336 HEMEMCTR DC XL1'00'	MEMBER COUNTER
	D740	00	D740 6337 HEFLDCTR DC XL1'00'	FIELD COUNTER
09	D741	00	D741 6338 HEPRMCTR DC XL1'00'	PARAMETER COUNTER
	D742	00	D742 6339 HECHRCTR DC XL1'00'	CHARACTER COUNTER
	D743	00	D743 6340 HEINDCTR DC XL1'00'	INDICATOR NUMBER COUNTER
10	D744	00	D744 6341 HEIND** DC XL1'00'	INDICATOR NUMBER
	D745	0000	D746 6342 HETYP SAV DC XL2'0000'	TYPE CODE SAVE AREA
11	D747	0000	D748 6344 HEJCB@ DC AL2(*)	JCB ADDRESS
	D749	0000	D74A 6345 HETUB@ DC AL2(*)	TUB ADDRESS
	D74B	000C	D74C 6346 HEUSSAV@ DC AL2(TW*USER)	@ OF USER SAVE AREA
12	D74D	0000	D74E 6347 HELSTRN DC AL2(*)	LAST DISPLAY RETURN ADDRESS
	D74F	0000	D750 6348 HEPULPTR DC AL2(*)	PULL POINTER
	D751	0000	D752 6349 HEBUFPTR DC AL2(*)	CURRENT BUFFER ADDRESS
13	D753	0000	D754 6350 HEPMPTR DC AL2(*)	NEXT PPSA LOCATION POINTER
	D755	0000	D756 6351 HETBLPTR DC AL2(*)	KEYWORD TABLE POINTER
	D757	0000	D758 6352 HEPPSA@ DC AL2(*)	CURRENT PPSA ADDRESS
14	D759	ED3F	D75A 6353 HEPULEND DC AL2(HEWSBUFF+79)	END OF BUFFER - 8
	D75B	DB38	D75C 6354 HETABLE@ DC AL2(HEFMTBL)	CURRENT FORMAT TABLE ADDRESS
	D75D	0000	D75E 6355 HEWKTBL@ DC AL2(*)	FORMAT TABLE WORK ADDRESS
15	D75F	DB38	D760 6356 HETBLBEG DC AL2(HEFMTBL)	FORMAT TABLE START ADDRESS
	D761	0000	D762 6357 HETBLEND DC AL2(*)	FORMAT TABLE END ADDRESS
	D763	EDF8	D764 6358 HEFMTBL@ DC AL2(CHEINDEX)	FORMAT INDEX ADDRESS
16	D765	0000	D766 6359 HEWKFMT@ DC AL2(*)	FORMAT INDEX WORK ADDRESS
	D767	EDF8	D768 6360 HEFMTBEG DC AL2(CHEINDEX)	FORMAT INDEX START ADDRESS
	D769	0000	D76A 6361 HEFMTEND DC AL2(*)	FORMAT INDEX END ADDRESS
17	D76B	0008	D76C 6362 HECTBLEN DC AL2(HETBLEN)	LENGTH OF FORMAT TABLE ENTRY
	D76D	0010	D76E 6363 HECFMTLN DC AL2(CFMTLEN)	LENGTH OF FORMAT INDEX ENTRY
	D76F	C8C8	D770 6364 HERETURN DC AL2(HE000200)	ADDRESS OF MAINLINE RETURN
18	D771	4040404040404040	D778 6365 HEFORMAT DC CL8'	CURRENT FORMAT NAME
	D779	4040404040404040	D780 6366 HEPARMSV DC CL8'	INITIAL PARAMETER SAVE AREA

\$HELP SYSTEM/34	PAGE 163	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	D781	00		
06	D782	40404040		
	D78A	40404040		
	D792	40404040		
	D79A	40404040		
07	D7A2	FFFFFF		
08	D7A5	0000		
	D7A7	01		
09	D7AB	0009		
	D7AA	40404040		
	D7B2	C8C5D3D7		
12	D7BA	1991		
16	D7BC	00000000		
	D7C4	00000000		

E21

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*****/	16340000		
*/	16350000		
*/	16360000		
*/	16370000		
*/	16380000		
*/	16390000		
*/	16400000		

\$HELP SYSTEM/34 HELP UTILITY	PAGE 126	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	5127	*/	START OF SPECIFICATIONS	16670000
	5128	*/		16680000
03	5129	*/	ROUTINE NAME = HE003600	16690000
	5130	*/		16700000
	5131	*/	STATUS = RELEASE 3	16710000
	5132	*/		16720000
04	5133	*/	FUNCTION = PROCESS PARAMETERS FOR ORGANIZE PROCEDURE	16730000

\$HELP SYSTEM/34	PAGE 127	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02				
03				
04				

T-Y,	29930000
	29940000
K	

15	7805 *** END OF EXPANSION **				
	7806 *	HETBL V-DC, NAME-JOBQ, PRIME-Y, TYPE-Z, MEXEC-Y,			30010000
	7807 *	WASK-010011001111000000011111			30020000
16	006A 7808 JOBQ	EQU 106	TABLE ENTRY NUMBER		
	DE88 A0	DE88 7809	DC AL1(128+0*32+0+0+0)	CTRL CODE	
	DE89 02	DE89 7810	DC AL1(0+0+2)	FORMAT TYPE BYTE	
17	DE8A 0000	DE8B 7811	DC BL2'000*00000000000000	'MANDATORY FIELD MASK	
	DE8C 00	DE8C 7812	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT	
	DE8D 4CF01F	DE8F 7813	DC BL3'010011001111000000011111	'960 SCREEN MASK	
18		7815 *** END OF EXPANSION **			
19					
20					

F22

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*****	24640000		
*	24650000		
*	24660000		
*	24670000		
*****	24680000		
	24700000		
	24710000		
BYTE	24730000		
	24740000		
	24750000		
	24760000		
	24770000		
LLABLE	24780000		
DISPLACEMENT	24790000		
FROM PRIME	24810000		
	24820000		
	24830000		
	24840000		
	24850000		
	24860000		
	24870000		
	24890000		
	24900000		
	24910000		
ADDRESS	24920000		
	24930000		
	24940000		
INTER	24950000		
	24960000		
	24970000		
	24980000		
ADDRESS	24990000		
RESS	25000000		
RESS	25010000		
RESS	25020000		
RESS	25030000		
RESS	25040000		
RESS	25050000		
RESS	25060000		
RESS	25070000		
RESS	25080000		
RESS	25090000		
RESS	25100000		
RESS	25105000		

\$HELP SYSTEM/34 HELP UTILITY	PAGE 163	V09/11/81	12/05/81	12:00	
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
02	D781 00	D781 6368 HESWITCH	DC XL1'00'	SWITCH BYTE	
		0080 6369 HECHAR	EQU X'80'	CHARACTER FOUND	
		0040 6370 HENDTBL	EQU X'40'	END OF FORMAT TABLE	
03		0020 6371 HESCRNUP	EQU X'20'	DISPLAY SCREEN UP	
		0010 6372 HEIOEROR	EQU X'10'	I/O ERROR MESSAGE PENDING	
		0008 6373 HESPLIT2	EQU X'08'	2ND HALF OF SPLIT SCREEN IS UP	
04		0004 6374 HERDN960	EQU X'04'	960 ROLL DOWN REQUESTED	
		0002 6375 HE960SCR	EQU X'02'	WS HAS A 960 SCREEN	
		0001 6376 HE11PARM	EQU X'01'	PROC HAS 11 PARAMETERS	
05		D782 6378 HEWORK	EQU *	WORK AREA	
		D782 4040404040404040	D7A1 6379	DC CL32'	
06		D78A 4040404040404040	6379		
		D792 4040404040404040	6379		
07		D79A 4040404040404040	6379		
	D7A2 FFFFFFFF	D7A4 6381 HEREVMSK	DC BL3'11111111111111111111	'REVERSE COMPRESS MASK	
08		D7A5 0000	D7A6 6383 HEZERO	DC XL2'0000'	CONSTANT ZERO
		D7A7 01	D7A7 6384 HEONE	DC XL1'01'	CONSTANT ONE
		D7A8 0009	D7A9 6385 HEX09	DC XL2'0009'	CONSTANT X'09'
09		D7AA 4040404040404040	D7B1 6386 HECLANK	DC CL8'	CONSTANT BLANKS
		D782 C8C5D3D740404040	D7B9 6387 HEHELP	DC CL8'HELP'	CONSTANT HELP
		006B 6389 HECPMA	EQU C','	COMMA	
		0060 6390 HECDASH	EQU C'-'	DASH	
		00FF 6391 HECPFOX	EQU X'FF'	X'FF'	
		0008 6392 ELEVEN	EQU 11	11	
		0009 6393 HE#MEMBR	EQU 9	NUMBER OF FORMAT MEMBERS TO OPEN	
12		D7BA 1991	1990 6395 HEVRTCD	EQU X'1990'	MRT PROC REQUESTED RETURN CODE
			D7BB 6396 HEVC1991	DC XL2'1991'	CMD7 RETURN CODE
13			2000 6398 HEVC2000	EQU X'2000'	MIC 2000
			2001 6399 HEVC2001	EQU X'2001'	MIC 2001
			2002 6400 HEVC2002	EQU X'2002'	MIC 2002
14			2003 6401 HEVC2003	EQU X'2003'	MIC 2003
			2004 6402 HEVC2004	EQU X'2004'	MIC 2004
			2005 6403 HEVC2005	EQU X'2005'	MIC 2005
15			2009 6404 HEVC2009	EQU X'2009'	MIC 2009
		D7BC 6406 HEINDTBL	EQU *	INDICATOR TABLE	
16		D7BC 0000000000000000	D7C8 6407	DC XL13'00'	
		D7C4 0000000000	6407		

\$HELP SYSTEM/34 HEL	PAGE 163	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	D1CF C2 01	D97C		
	D1D3 C0 87	CD41		
03	D1D7 C0 87	CCE8		

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*****	16670000		
*/	16680000		
*/	16690000		
*/	16700000		
*/	16710000		
*/	16720000		
*/	16730000		

\$HELP SYSTEM/34 HELP UTILITY	PAGE 127	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		5159 */*	START OF SPECIFICATIONS	*****
		5160 */*		
		5161 */*	ROUTINE NAME = HE003700	
03		5162 */*		
		5163 */*	STATUS = RELEASE 3	
		5164 */*		
04		5165 */*	FUNCTION = PROCESS PARAMETERS FOR OVERRIDE PROCEDURE	

\$HELP SYSTEM/34 HEL	PAGE 127	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	D1CF C2 01	D97C		
	D1D3 C0 87	CD41		
03	D1D7 C0 87	CCE8		
04				

30010000
30020000

15	7856 *** END OF EXPANSION **	30110000
	7857 * HETBL V-DC,NAME-PRTY,PRIME-Y,TYPE-2,MESEC-Y,	
	7858 * MASK-0101111111000000000111	30120000
16	006F 7859 PRTY EQU 111 TABLE ENTRY NUMBER	
	DEBO A0 DEBO 7860 DC AL1(128+0+32+0+0+0) CTRL CODE	
17	DEB1 02 DEB1 7861 DC AL1(0+0+2) FORMAT TYPE BYTE	
	DEB2 0000 DEB3 7862 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DEB4 00 DEB4 7863 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
18	DEB5 5FE007 DEB7 7864 DC BL3'0101111111000000000111' 960 SCREEN MASK	
	7866 *** END OF EXPANSION **	

16	DED8 E0
17	DED9 02
	DEDA 0000
	DEDC 00
18	DEDD 5FF801

F23

63 V09/11/81 12/05/81 12:00
25120000
25130000
25140000
25150000
25160000
UP 25163000
25166000
25168000
483 25169000
25180000
25190000
25210000
25230000
25240000
25250000
25260000
25270000
25290000
25300000
25310000
25320000
OPEN 25330000
25363000
25364000
25370000
25380000
25390000
25400000
25410000
25420000
25430000
25450000
25460000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 164 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	6409	*****	25480000
	6410 *	*	25490000
	6411 *	WORKSTATION BUFFER PARAMETER DISPLACEMENTS	25500000
03	6412 *	*	25510000
	6413	*****	25520000
04	0000 6415	HEPARM1 EQU 0 PARAMETER 1	25540000
	0008 6416	HEPARM2 EQU 8 PARAMETER 2	25550000
	0010 6417	HEPARM3 EQU 16 PARAMETER 3	25560000
05	0018 6418	HEPARM4 EQU 24 PARAMETER 4	25570000
	0020 6419	HEPARM5 EQU 32 PARAMETER 5	25580000
	0028 6420	HEPARM6 EQU 40 PARAMETER 6	25590000
06	0030 6421	HEPARM7 EQU 48 PARAMETER 7	25600000
	0038 6422	HEPARM8 EQU 56 PARAMETER 8	25610000
	0040 6423	HEPARM9 EQU 64 PARAMETER 9	25620000
07	0048 6424	HEPARM10 EQU 72 PARAMETER 10	25630000
	0050 6425	HEPARM11 EQU 80 PARAMETER 11	25640000

\$HELP SYSTEM/34 HELP UTILITY	
01	ERR LOC OBJECT CODE
02	
03	
04	D7C9 01
	D7CA EE1F
05	D7CC 02
	D7CD F40F
	D7CF 03
06	D7D0 F59F
	D7D2 04
	D7D3 F9FF
07	D7D5 05
	D7D6 F84F
	D7D8 06
08	D7D9 F85F
	D7DB 07
	D7DC F86F
09	D7DE 08
	D7DF F95F
	D7E1 FF

E23

7 V09/11/81 12/05/81 12:00
16990000
17000000
17010000
17020000
17030000
17040000
17050000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 128 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	D1CF C2 01 D97C	5195 HE003710 LA HE02TBL,XR1 XR1 --> OVERRIDE KEYWORD TABLE	17380000
	D1D3 C0 87 CD41	5196 B HE002200 PROCESS KEYWORD PARAMETERS	17390000
03	D1D7 C0 87 CCE8	5198 B HE002100 SAVE PARAMETERS IN PPSA	17410000

\$HELP SYSTEM/34 HELP UTILITY	
01	ERR LOC OBJECT CODE
02	D215 C0 87 CCE8
03	D219 3C 02 D73D
	D21D C0 87 CB72

30110000
30120000
DEDB E0
DED9 O2
DEDA O000
DEDC O0
DEDD 5FF801

7907 *** END OF EXPANSION **
7908 * HETBL V-DC, NAME-START, PRIME-Y, TYPE-2, NEXEC-Y, SPLIT-Y,
7909 * MASK-0101111111110000000001
0074 7910 START EQU 116 TABLE ENTRY NUMBER
DED8 7911 DC AL1(128+64+32+0+0+0) CTRL CODE
DED9 7912 DC AL1(0+0+2) FORMAT TYPE BYTE
DEDA 7913 DC BL2'0000000000000000' MANDATORY FIELD MASK
DEDC 7914 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
DEDD 7915 DC BL3'0101111111110000000001' 960 SCREEN MASK
7917 *** END OF EXPANSION **

DF00 E0
DF01 O2
DF02 0000
DF04 O0
DF05 5FF801

F24

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***** 25480000
* 25490000
* 25500000
* 25510000
***** 25520000
25540000
25550000
25560000
25570000
25580000
25590000
25600000
25610000
25620000
25630000
25640000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02 6427 ***** 25660000
6428 * * 25670000
03 6429 * LIST TYPE AND NAME TABLE * 25680000
6430 * * 25690000
6431 ***** 25700000
04 D7C9 6433 HELISTBL EQU * LIST FORMAT NAME TABLE 25720000
D7C9 01 D7C9 6434 DC XL1'01' TYPE 1 25730000
05 D7CA EE1F D7CB 6435 DC AL2(HEPRCLST*FMTLEN+HEFMTNAM) SSP PROCEDURE LIST 25740000
D7CC 02 D7CC 6436 DC XL1'02' TYPE 2 25750000
D7CD F40F D7CE 6437 DC AL2(HECMDLST*FMTLEN+HEFMTNAM) SSP COMMAND LIST 25760000
06 D7CF 03 D7CF 6438 DC XL1'03' TYPE 3 25770000
D7D0 F59F D7D1 6439 DC AL2(COCL*FMTLEN+HEFMTNAM) OCL LIST 25780000
D7D2 04 D7D2 6440 DC XL1'04' TYPE 4 25790000
07 D7D3 F9FF D7D4 6441 DC AL2(PCCE*FMTLEN+HEFMTNAM) PROCEDURE CONTROL EXPRESSIONS 25800000
D7D5 05 D7D5 6442 DC XL1'05' TYPE 5 25810000
D7D6 F84F D7D7 6443 DC AL2(HEUTILST*FMTLEN+HEFMTNAM) UTILITIES LIST 25820000
08 D7D8 06 D7D8 6444 DC XL1'06' TYPE 6 25830000
D7D9 F85F D7DA 6445 DC AL2(HELINGLST*FMTLEN+HEFMTNAM) LANGUAGE LIST 25840000
D7DB 07 D7DB 6446 DC XL1'07' TYPE 7 25850000
09 D7DC F86F D7DD 6447 DC AL2(HEPLIST*FMTLEN+HEFMTNAM) TELEPROCESSING LIST 25860000
D7DE 08 D7DE 6448 DC XL1'08' TYPE 8 25870000
D7DF F95F D7EO 6449 DC AL2(HESRVLST*FMTLEN+HEFMTNAM) SERVICE AID LIST 25880000
D7E1 FF D7E1 6450 DC XL1'FF' END OF TABLE 25890000

\$HELP SYSTEM/34 H
ERR LOC OBJECT COO
D7E2 03
D7E3 EF7F
D7E5 F5EF
D7E7 03
D7E8 F49F
D7EA F65F
D7EC 03
D7ED F0FF
D7EF F69F
D7F1 03
D7F2 F4AF
D7F4 F68F
D7F6 03
D7F7 F4CF
D7F9 F6CF
D7FB 03
D7FC F35F
D7FE F7EF
D800 03
D801 D8A1
D803 F80F
D805 03
D806 D8A9
D808 F81F
D80A 03
D80B D8B1
D80D F82F
D80F 03
D810 D8B9
D812 F83F
D814 03
D815 F4DF
D817 F6DF
D819 04
D81A F43F

E24

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WORD TABLE 17380000
METERS 17390000
PPSA 17410000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02 D215 CO 87 CCE8 5223 HE003760 B HE002100 SAVE PARAMETERS IN PPSA 17660000
03 D219 3C 02 D73D 5225 MVI HESRCHDP, TWD MOVE 2 TO DISPLACEMENT COUNTER 17680000
D21D CO 87 CB72 5226 HE003770 B HE002000 LOOK UP AND DISPLAY FORMAT 17690000

\$HELP SYSTEM/34 H
ERR LOC OBJECT COO

-Y.	30210000
	30220000

15	7958 *** END OF EXPANSION **	HETBL V-DC, NIVE-VARY, PRIME-Y, TYPE-2, MEXEC-Y, SPLIT-Y,	30290000
	7960 *	*****	30300000
16	0079 7961 WARY EQU 121	TABLE ENTRY NUMBER	
	DF00 E0 DF00 7962 DC	AL1(L2B*64*32*0*0*0) CTRL CODE	
	DF01 02 DF01 7963 DC	AL1(O*0*2) FORMAT TYPE BYTE	
17	DF02 0000 DF03 7964 DC	BL2'00000000000000' MANDATORY FIELD MASK	
	DF04 00 DF04 7965 DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DF05 5FF801 DF07 7966 DC	BL3'0101111111110000000001' *60 SCREEN MASK	
18		7968 *** END OF EXPANSION **	
19			
20			

15	
16	DF28 00
17	DF29 03
	DF2A 0000
	DF2C 00
18	DF2D 4AA91F
19	
20	

F25

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*****	25660000
*	25670000
*	25680000
*	25690000
*****	25700000
LE	25720000
	25730000
LIST	25740000
	25750000
ST	25760000
	25770000
	25780000
	25790000
XPRESSIONS	25800000
	25810000
	25820000
	25830000
	25840000
	25850000
LIST	25860000
	25870000
ST	25880000
	25890000

	\$HELP SYSTEM/34 HELP UTILITY		PAGE 166 V09/11/81 12/05/81 12:00
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6452 *****	25910000
		6453 * *	25920000
		6454 * NIVE CONVERSION TABLE *	25930000
03		6455 * *	25940000
		6456 *****	25950000
04		D7E2 6458 HENNVCVT EQU *	NIVE CONVERSION TABLE 25970000
		D7E2 03 D7E2 6460 DC	AL1(HEOCL) 25990000
05		D7E3 EF7F D7E4 6461 DC	AL2(DATE*FMTLEN+HEFMTNWD) 26000000
		D7E5 F5EF D7E6 6462 DC	AL2(DATE2*FMTLEN+HEFMTNWD) 26010000
06		D7E7 03 D7E7 6464 DC	AL1(HEOCL) 26030000
		D7E8 F49F D7E9 6465 DC	AL2(JOBQ*FMTLEN+HEFMTNWD) 26040000
		D7EA F65F D7EB 6466 DC	AL2(JOBQ2*FMTLEN+HEFMTNWD) 26050000
07		D7EC 03 D7EC 6468 DC	AL1(HEOCL) 26070000
		D7ED F0FF D7EE 6469 DC	AL2(LOG*FMTLEN+HEFMTNWD) 26080000
08		D7EF F69F D7F0 6470 DC	AL2(LOG2*FMTLEN+HEFMTNWD) 26090000
09		D7F1 03 D7F1 6472 DC	AL1(HEOCL) 26110000
		D7F2 F4AF D7F3 6473 DC	AL2(MENU*FMTLEN+HEFMTNWD) 26120000
		D7F4 F68F D7F5 6474 DC	AL2(MENU2*FMTLEN+HEFMTNWD) 26130000
10		D7F6 03 D7F6 6476 DC	AL1(HEOCL) 26150000
		D7F7 F4CF D7F8 6477 DC	AL2(PSG*FMTLEN+HEFMTNWD) 26160000
		D7F9 F6CF D7FA 6478 DC	AL2(PSG2*FMTLEN+HEFMTNWD) 26170000
11		D7FB 03 D7FB 6480 DC	AL1(HEOCL) 26190000
		D7FC F35F D7FD 6481 DC	AL2(SYSLIST*FMTLEN+HEFMTNWD) 26200000
12		D7FE F7EF D7FF 6482 DC	AL2(SYSLIST2*FMTLEN+HEFMTNWD) 26210000
13		D800 03 D800 6484 DC	AL1(HEOCL) 26230000
		D801 D8A1 D802 6485 DC	AL2(HEAS) 26240000
		D803 F80F D804 6486 DC	AL2(ASTERISK*FMTLEN+HEFMTNWD) 26250000
14		D805 03 D805 6488 DC	AL1(HEOCL) 26270000
		D806 D8A9 D807 6489 DC	AL2(HESLAS) 26280000
		D808 F81F D809 6490 DC	AL2(SLSHASTR*FMTLEN+HEFMTNWD) 26290000
15		D80A 03 D80A 6492 DC	AL1(HEOCL) 26310000
		D80B D8B1 D80C 6493 DC	AL2(HESLASL) 26320000
16		D80D F82F D80E 6494 DC	AL2(SLSLASTR*FMTLEN+HEFMTNWD) 26330000
17		D80F 03 D80F 6496 DC	AL1(HEOCL) 26350000
		D810 D8B9 D811 6497 DC	AL2(HESLASAS) 26360000
		D812 F83F D813 6498 DC	AL2(SLSLASAS*FMTLEN+HEFMTNWD) 26370000
18		D814 03 D814 6500 DC	AL1(HEOCL) 26382000
		D815 F4DF D816 6501 DC	AL2(OFF*FMTLEN+HEFMTNWD) 26384000
		D817 F6DF D818 6502 DC	AL2(OFF2*FMTLEN+HEFMTNWD) 26386000
19		D819 04 D819 6504 DC	AL1(HEPCE) 26390000
20		D81A F43F D81B 6505 DC	AL2(CANCEL*FMTLEN+HEFMTNWD) 26400000

	\$HELP SYSTEM/34 HE
01	ERR LOC OBJECT CODE
02	D81C F4FF
03	
04	
05	
06	
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PSA	17660000
NT COUNTER	17680000
GRMAT	17690000

	\$HELP SYSTEM/34 HELP UTILITY		PAGE 130 V09/11/81 12/05/81 12:00
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		5261 */* START OF SPECIFICATIONS *****/	17930000
		5262 */* */	17940000
		5263 */* ROUTINE NIVE = HEO03800 */	17950000
03		5264 */* */	17960000
		5265 */* STATUS = RELEASE 3 */	17970000
		5266 */* */	17980000
04		5267 */* FUNCTION = PROCESS PARAMETERS FOR REMOVE & LISTLIBR PROCEDURES */	17990000

	\$HELP SYSTEM/34 HEL
01	ERR LOC OBJECT CODE
02	
03	
04	

DLIT-Y,	30290000
	30300000
SK	
ENT	
MSK	

15	8009 *** END OF EXPANSION **	30390000
	8010 * HETBL V-DC, NAME-COMPILE, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y,	30400000
	8011 * MASK-0100101010100100011111	30400000
16	007E 8012 COMPILE EQU 126 TABLE ENTRY NUMBER	
	DF28 B0 DF28 8013 DC AL1(128*0+32*16*0+0) CTRL CODE	
17	DF29 03 DF29 8014 DC AL1(0*0+3) FORMAT TYPE BYTE	
	DF2A 0000 DF28 8015 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DF2C 00 DF2C 8016 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
18	DF2D 4AA91F DF2F 8017 DC BL3'0100101010100100011111' 960 SCREEN MASK	
	8019 *** END OF EXPANSION **	
19		
20		

15	
16	DF50 B0
	DF51 03
17	DF52 0000
	DF54 00
18	DF55 4AA93F
19	
20	

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*****	25910000
*	25920000
*	25930000
*	25940000
*****	25950000
TABLE	25970000
	25990000
	26000000
	26010000
	26030000
	26040000
	26050000
	26070000
	26080000
	26090000
	26110000
	26120000
	26130000
	26150000
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	26190000
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	26210000
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	26290000
	26310000
	26320000
	26330000
	26350000
	26360000
	26370000
	26382000
	26384000
	26386000
	26390000
	26400000

01	SHELP SYSTEM/34 HELP UTILITY		PAGE 167 W09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	D81C FAFB	D81D 6506 DC AL2(CANCEL2*FMITLEN+HEFMITNMD)	26410000
03			
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03	D81E 06
	D81F D8E1
	D821 D8F9
04	D823 06
	D824 D8E9
	D826 D901
05	D828 06
	D829 D8F1
06	D82B D909
07	D82D FF
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*****/	17930000
*/	17940000
*/	17950000
*/	17960000
*/	17970000
*/	17980000
PROCEDURES */	17990000

01	SHELP SYSTEM/34 HELP UTILITY		PAGE 131 W09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		5287 */* START OF SPECIFICATIONS *****/	18190000
		5288 */* */	18200000
03		5289 */* ROUTINE NAME = HE003900	18210000
		5290 */* */	18220000
		5291 */* STATUS = RELEASE 3	18230000
		5292 */* */	18240000
04		5293 */* FUNCTION = PROCESS PARAMETERS FOR RESTORE PROCEDURE	18250000
		5294 */* */	

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-Y,	30390000
	30400000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
15		8060	*** END OF EXPANSION **		
		8061	*	HETBL V-DC,NVPE-FORMS,PRIME-Y,TYPE-3,NEKEC-Y,N1NPT-Y,	30470000
		8062	*	MASK-010010101010000111111	30480000
16	DF50 B0	DF50 8064	DC	AL1(128+0+32+16+0+0) CTRL CODE	
	DF51 03	DF51 8065	DC	AL1(0+0+3) FORMAT TYPE BYTE	
17	DF52 0000	DF53 8066	DC	BL2'000000000000000' MANDATORY FIELD MASK	
	DF54 00	DF54 8067	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DF55 4AA43F	DF57 8068	DC	BL3'010010101010000111111' 960 SCREEN MASK	
18	8070 *** END OF EXPANSION **				
19					
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DF75 B0
DF79 03
DF7A 0000
DF7C 00
DF7D 49C07F

F27

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
	26410000	D81E 6508	HENAPCVX EQU *	1ST TIME NAME CONVERSION TABLE	26430000
02		D81E 06	D81E 6510	DC AL1(CHELANG)	26450000
03		D81F D8E1	D820 6511	DC AL2(CHEFRTPC)	26460000
		D821 D8F9	D822 6512	DC AL2(CHEFORTC)	26470000
04		D823 06	D823 6514	DC AL1(CHELANG)	26490000
		D824 D8E9	D825 6515	DC AL2(CHEFRTPCG)	26500000
05		D826 D901	D827 6516	DC AL2(CHEFORTCG)	26510000
		D828 06	D828 6518	DC AL1(CHELANG)	26530000
06		D829 D8F1	D82A 6519	DC AL2(CHEFRTPGD)	26540000
		D82B D909	D82C 6520	DC AL2(CHEFORTGD)	26550000
07		D82D FF	D82D 6522	DC XL1'FF'	26570000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		D81E 6508	HENAPCVX EQU *	1ST TIME NAME CONVERSION TABLE	26430000
03		D81E 06	D81E 6510	DC AL1(CHELANG)	26450000
		D81F D8E1	D820 6511	DC AL2(CHEFRTPC)	26460000
		D821 D8F9	D822 6512	DC AL2(CHEFORTC)	26470000
04		D823 06	D823 6514	DC AL1(CHELANG)	26490000
		D824 D8E9	D825 6515	DC AL2(CHEFRTPCG)	26500000
05		D826 D901	D827 6516	DC AL2(CHEFORTCG)	26510000
		D828 06	D828 6518	DC AL1(CHELANG)	26530000
06		D829 D8F1	D82A 6519	DC AL2(CHEFRTPGD)	26540000
		D82B D909	D82C 6520	DC AL2(CHEFORTGD)	26550000
07		D82D FF	D82D 6522	DC XL1'FF'	26570000
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D82F F4
D830 25
D831 F4
D832 16
D833 F5
D834 26
D835 F5
D836 36
D837 F4
D838 16
D839 F5
D83A 46
D83B F4
D83C FF

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
	18190000	5319	*/	START OF SPECIFICATIONS	18510000
	18200000	5320	*/		18520000
03	18210000	5321	*/	ROUTINE NAME = HEG04000	18530000
	18220000	5322	*/		18540000
	18230000	5323	*/	STATUS = RELEASE 3	18550000
	18240000	5324	*/		18560000
04	18250000	5325	*/	FUNCTION = PROCESS PARAMETERS FOR SAVE PROCEDURE	18570000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		5319	*/	START OF SPECIFICATIONS	18510000
		5320	*/		18520000
03		5321	*/	ROUTINE NAME = HEG04000	18530000
		5322	*/		18540000
		5323	*/	STATUS = RELEASE 3	18550000
		5324	*/		18560000
04		5325	*/	FUNCTION = PROCESS PARAMETERS FOR SAVE PROCEDURE	18570000

ERR LOC	OBJECT CODE
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30470000	15
30480000	16
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8111 *** END OF EXPANSION **	
8112 * NETBL V-DC, NIVE-LOAD, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y,	30570000
8113 * MASK-01001001110000001111111	30580000
0088 8114 LOAD EQU 136 TABLE ENTRY NUMBER	
DF78 B0 DF78 8115 DC AL1(128*0+32*16*0+0) CTRL CODE	
DF79 03 DF79 8116 DC AL1(0+0*3) FORMAT TYPE BYTE	
DF7A 0000 DF7B 8117 DC BL2'0000000000000000' MANDATORY FIELD MASK	
DF7C 00 DF7C 8118 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DF7D 49C07F DF7F 8119 DC BL3'0100100111000000111111' 960 SCREEN MASK	
8121 *** END OF EXPANSION **	

	15
DF80 B0	16
DF81 03	17
DF82 0000	18
DF84 00	19
DF85 40207F	20

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\$HELP SYSTEM/34 HELP UTILITY	PAGE 169 W09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
6524 *****	26590000
6525 * *	26600000
6526 * MAXIMUM NUMBER PARAMETER VALUE TABLE *	26610000
6527 * *	26620000
6528 *****	26630000
D82E 6530 HEPAKTBL EQU * MAXIMUM NUMBER PARAMETER VALUE	26690000
D82E 15 D82E 6532 DC AL1(HEUTIL+HESLST#1) DFU	26670000
D82F F4 D82F 6533 DC CL1'4' MAXIMUM NUMBER VALUE FOR DFU	26680000
D830 25 D830 6535 DC AL1(HEUTIL+HESLST#2) WSUP	26692000
D831 F4 D831 6536 DC CL1'4' MAXIMUM NUMBER VALUE FOR WSUP	26694000
D832 16 D832 6538 DC AL1(HELANG+HESLST#1) COBOL	26700000
D833 F5 D833 6539 DC CL1'5' MAXIMUM NUMBER VALUE FOR COBOL	26710000
D834 26 D834 6541 DC AL1(HELANG+HESLST#2) FORTRAN	26730000
D835 F5 D835 6542 DC CL1'5' MAXIMUM NUMBER VALUE FOR FORTRAN	26740000
D83C 36 D83C 6544 DC AL1(HELANG+HESLST#3) RPGII	26760000
D837 F4 D837 6545 DC CL1'4' MAXIMUM NUMBER VALUE FOR RPG	26770000
D838 18 D838 6547 DC AL1(HESVAID+HESLST#1) SPF	26782000
D839 F3 D839 6548 DC CL1'3' MAXIMUM NUMBER VALUE FOR SPF	26784000
D83A 46 D83A 6550 DC AL1(HELANG+HESLST#4) BASICPRC	26787000
D83B F4 D83B 6551 DC CL1'4' MAXIMUM NUMBER VALUE FOR BASIC	26788000
D83C FF D83C 6553 DC XL1'FF' END OF TABLE	26790000

\$HELP SYSTEM/34 HELP UTILITY	01
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	02
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	04

\$HELP SYSTEM/34 HELP UTILITY	PAGE 133 W09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
5351 */* START OF SPECIFICATIONS *****/	18830000
5352 */* */	18840000
5353 */* ROUTINE NAME = HE0041.00	18850000
5354 */* */	18860000
5355 */* STATUS = RELEASE 6	18870000
5356 */* */	18880000
5357 */* FUNCTION = PROCESS PARAMETERS FOR TRANSFER PROCEDURE	18890000

\$HELP SYSTEM/34 HELP UTILITY	01
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	02
	03
	04

30570000
30580000

8162 *** END OF EXPANSION **
8163 * HETBL V-DC,NWVE-MSG2,PRIMF-Y,TYPE-3,HEXEC-Y,NIMPT-Y,NCALL-Y, 30670000
8164 * MASK-010011010010000. .11111 30680000
0000 8165 MSG2 EQU 141 TABLE ENTRY NUMBER
DFA0 B8 DFA0 8166 DC AL1(128+0+32+16+8+0) CTRL CODE
DFA1 03 DFA1 8167 DC AL1(0+0+3) FORMAT TYPE BYTE
DFA2 0000 DFA3 8168 DC BL2'0000000000000000' MANDATORY FIELD MASK
DFA4 00 DFA4 8169 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
DFA5 4D207F DFA7 8170 DC BL3'010011010010000001111111' %60 SCREEN MASK
8172 *** END OF EXPANSION **

DFA8 B0
DFA9 03
DFAA 0000
DFAE 00
DFAF 49FC07

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26590000
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26630000
26650000
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26784000
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26788000
26790000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 170	V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	6555 *****	26810000
	6556 *	26820000
03	6557 * PARAMETER CONSTANTS	26830000
	6558 *	26840000
	6559 *****	26850000
04	D83D C4C5D3C5E3C54040 D844 6561 HEDELETE DC CL8'DELETE'	26870000
	D845 D9C5D4C9C4404040 D84C 6562 HEREMID DC CL8'REMID'	26880000
05	D84D D3D6C3C9C4404040 D854 6563 HELOCTD DC CL8'LOCTD'	26890000
	D855 C9F1404040404040 D85C 6564 HEI1 DC CL8'I1'	26900000
	D85D C1D3D34040404040 D864 6565 HEALL DC CL8'ALL'	26910000
06	D865 C1D3D3D7E3C64040 D86C 6566 HEALLPTF DC CL8'ALLPTF'	26915000
	D86D C1C4C44040404040 D874 6567 HEADD DC CL8'ADD'	26920000
	D875 C1D7C1D9C6C9D3C5 D87C 6568 HEAPRFIL DC CL8'APARFILE'	26922000
07	D87D C2C1C3D2E4D74040 D884 6569 HEBACKUP DC CL8'BACKUP'	26924000
	D885 D7D9D6C6C9D3C540 D88C 6570 HEPROFIL DC CL8'PROFILE'	26926000
	D88D D3C9C2D940404040 D894 6571 HELIBR DC CL8'LIBR'	26930000
08	D895 D1D6C2D840 D899 6572 HEJOBQ DC CL5'JOBQ'	26940000
	D89A 5C40404040404040 D8A1 6573 HEAS DC CL8'*'	26950000
	D8A2 615C404040404040 D8A9 6574 HESLAS DC CL8'/'	26960000
09	D8AA 61615C4040404040 D8B1 6575 HESLSLAS DC CL8'/'	26970000
	D8B2 61615C5C40404040 D8B9 6576 HESLASAS DC CL8'/'	26980000
	D8BA E2E8E2E3C5D44040 D8C1 6577 I^SYSTEM DC CL8'SYSTEM'	26982000
	D8C2 E840404040404040 D8C9 6578 HEY DC CL8'Y'	26984000
10	D8CA E8C5E24040404040 D8D1 6579 HEYES DC CL8'YES'	26986000
	D8D2 D5D6404040404040 D8D9 6580 HEND DC CL8'ND'	26988000
11	D8DA C6D6D9E3D7C34040 D8E1 6581 HEFRTPC DC CL8'FORTPC'	26990000
	D8E2 C6D6D9E3D7C3C740 D8E9 6582 HEFRTPCG DC CL8'FORTPCG'	27000000
	D8EA C6D6D9E3D7C7D640 D8F1 6583 HEFRTPGO DC CL8'FORTPGO'	27010000
12	D8F2 C6D6D9E3C3404040 D8F9 6584 HEFORTC DC CL8'FORTC'	27020000
	D8FA C6D6D9E3C3C74040 D901 6585 HEFORTCG DC CL8'FORTCG'	27030000
	D902 C6D6D9E3C7D64040 D909 6586 HEFORTGO DC CL8'FORTGO'	27040000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE
D90A C2D9C1E3C5604040 D908
D912 C3D3D6C3D2604040 D919
D91A C5D9C36040404040 D921
D922 C2D3C9D5C3604040 D929
D92A E3C5E2E360404040 D931
D932 E3D6D9C560404040 D939
D93A D3D5E4D460404040 D941
D942 C9D9E2E260404040 D949
D94A FF D94A
D94B
D94B C2D9C1E3C5604040 D952
D953 C3D3D6C3D2604040 D95A
D95B D3D5E4D460404040 D962
D963 E2D3C9D5C3604040 D96A
D96B E3C5E2E360404040 D972
D973 E3D6D9C560404040 D97A
D97B FF D97B
D97C
D97C C1C4C4D960404040 D983
D984 D3C9D5C360404040 D98B
D98C E6C1C9E360404040 D993
D994 C2D3C1D5D2604040 D99B
D99C D9C3E2D760404040 D9A3
D9AA D4D3E3C6D3604040 D9AB
D9AC D3D5E4D460404040 D9B3
D9BA FF D9BA

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18830000
18840000
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18890000
18890000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 134	V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	D2E9 3C 02 D73D 5386 HE004110 MVI HESRCHDP,TWD MOVE 2 TO DISPLACEMENT COUNTER	19180000
	D2ED F2 87 23 5387 J HE004130 CONTINUE	19190000
03	D2F0 3C 04 D73D 5389 HE004120 MVI HESRCHDP,FOUR MOVE 4 TO DISPLACEMENT COUNTER	19210000
04	D2F4 38 40 008C 5391 TBN NUBSCA+SCADCSP1,SCAMPARR DOES THE SYSTEM HAVE A	19220000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE

30670000	8213 *** END OF EXPANSION **	HEBTL V-DC, NWPY-REGION, PRIME-Y, TYPE-3, NEXEC-Y, WINTP-Y,	30750000
30680000	8215 *	MSK-0100100111111000000111	30760000
	0092 8216 REGION EQU 146	TABLE ENTRY NUMBER	
	DFC8 80	DFC8 8217 DC AL1(128*0+32*16*0*0)	CTRL CODE
	DFC9 03	DFC9 8218 DC AL1(0+0*3)	FORMAT TYPE BYTE
	DFCA 0000	DFCB 8219 DC BL2'00000000000000'	MANDATORY FIELD MASK
	DFCC 00	DFCC 8220 DC AL1(#)	SUBROUTINE TABLE DISPLACEMENT
	DFCD 49FC07	DFCF 8221 DC BL3'0100100111111000000111'	960 SCREEN MASK
	8223 *** END OF EXPANSION **		

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V09/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY		PAGE 171 V09/11/81 12/05/81 12:00	
LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
		6588		*****	27060000
		6589	*		27070000
		6590	*	KEYWORD TABLES	27080000
		6591	*		27090000
		6592	*	*****	27100000
		D90A	6594	HEBSCTBL EQU *	ALTEBSC KEYWORD TABLE
		D90A	C2D9C1E3C5604040	D911 6595	DC CL8 'BRATE-'
		D912	C3D306C3D2604040	D919 6596	DC CL8 'CLOCK-'
		D91A	C5D9C36040404040	D921 6597	DC CL8 'ERC-'
		D922	E2D3C9D5C5604040	D929 6598	DC CL8 'SLINE-'
		D92A	E3C5E2E360404040	D931 6599	DC CL8 'TEST-'
		D932	E3D6D5C560404040	D939 6600	DC CL8 'TONE-'
		D93A	D3D5E4D460404040	D941 6601	DC CL8 'LNUM-'
		D942	C9D9E2E260404040	D949 6602	DC CL8 'TRSS-'
		D94A	FF	D94A 6603	DC XL1 'FF'
		D94B	6605	HESDITBL EQU *	ALTERSDL KEYWORD TABLE
		D94B	C2D9C1E3C5604040	D952 6606	DC CL8 'BRATE-'
		D953	C3D306C3D2604040	D95A 6607	DC CL8 'CLOCK-'
		D95B	D3D5E4D460404040	D962 6608	DC CL8 'LNUM-'
		D963	E2D3C9D5C5604040	D96A 6609	DC CL8 'SLINE-'
		D96B	E3C5E2E360404040	D972 6610	DC CL8 'TEST-'
		D973	E3D6D5C560404040	D97A 6611	DC CL8 'TONE-'
		D97B	FF	D97B 6612	DC XL1 'FF'
		D97C	6614	HEOV2TBL EQU *	OVERRID2 KEYWORD TABLE
		D97C	C1C4C4D960404040	D983 6615	DC CL8 'ADDR-'
		D984	D3C9D5C560404040	D98B 6616	DC CL8 'LINE-'
		D98C	E6C1C9E360404040	D993 6617	DC CL8 'WAIT-'
		D994	C2D3C1D5D2604040	D99B 6618	DC CL8 'BLANK-'
		D99C	D9C3E2D760404040	D9A3 6619	DC CL8 'RCSP-'
		D9A4	D4D3E3C6D3604040	D9AB 6620	DC CL8 'MLTFL-'
		D9AC	D3D5E4D460404040	D9B3 6621	DC CL8 'LNUM-'
		D9BA	FF	D9BA 6622	DC XL1 'FF'

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
		5409	*/	START OF SPECIFICATIONS	19270000
		5410	*/		19280000
		5411	*/	ROUTINE NAME = HE004200	19290000
		5412	*/		19300000
		5413	*/	STATUS = RELEASE 3	19310000
		5414	*/		19320000
		5415	*/	FUNCTION = PROCESS PARAMETERS FOR BLDLIBR PROCEDURE	19330000

30750000
30760000

15	8264 *** END OF EXPANSION **	8265 * NETBL V-DC,MMVE-SESSION3,TYPE-3,NEXC-Y,MINPT-Y,PRIME-Y,	30803900
16	8266 * MRSK-01011111111000000000111,NCALL-Y,SPLIT-Y	30804200	
	0097 8267 SESSION3 EQU 151	TABLE ENTRY NUMBER	
	DFF0 F8 DFF0 8268 DC AL1(128+64+32+16+8+0) CTRL CODE		
	DFF1 03 DFF1 8269 DC AL1(0+0+3) FORMAT TYPE BYTE		
	DFF2 0000 DFF3 8270 DC BL2'0000000000000000' MANDATORY FIELD MASK		
	DFF4 00 DFF4 8271 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DFF5 5FE007 DFF7 8272 DC BL3'01011111111000000000111' 960 SCREEN MASK		
18	8274 *** END OF EXPANSION **		

009C 8
E018 8
E019 8
E01A 8
E01B 8
E01C 8
E01D 8
E01F 8

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	D985	D3C9D5C560404040	D98C 6625	DC CL8 'LINE-'	27420000
03	D98D	E61C9E360404040	D9C4 6626	DC CL8 'WAIT-'	27440000
04	D995	D4D3E3C6D3604040	D9DC 6629	DC CL8 'MLTFL-'	27470000
05	D9E6	E2E6E3E8D7604040	D9ED 6634	DC CL8 'SWTYP-'	27500000
06	D9EF	C1C4C0D960404040	D9F6 6638	DC CL8 'ADDR-'	27550000
07	D9F7	D3C9D5C560404040	D9FE 6642	DC CL8 'ID-'	27580000
08	DA10	C4C9E2D7D3C1E860	DA17 6645	DC CL8 'DISPLAY-'	27620000
09	DA18	C1E4E3D640404040	DA1F 6646	DC CL8 'AUTO-'	27630000
10	DA20	D3C9D5C560404040	DA27 6647	DC CL8 'LINE-'	27640000
11	DA28	D7C8D6D5C5604040	DA2F 6648	DC CL8 'PHONE-'	27645000
12	DA30	FF	DA30 6649	DC XL1 'FF'	27650000

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02 66
03 66
04 DA31 66
05 DA31 D007 DA32 66
DA33 D0E3 DA34 66
DA35 D102 DA36 66
DA37 D130 DA38 66
DA39 D141 DA3A 66
DA3B D154 DA3C 66
DA3D D16B DA3E 66
DA3F D1AA DA40 66
DA41 D271 DA42 66
DA43 D284 DA44 66
DA45 D2A3 DA46 66
DA47 D2C2 DA48 66
DA49 D31B DA4A 66
DA4B D34C DA4C 66
DA4D D383 DA4E 66
DA4F D3BA DA50 66
DA51 D3C6 DA52 66
DA53 D3FD DA54 66
DA55 D41C DA56 66
DA57 D48F DA58 66
DA59 D4E2 DA5A 66
DA5B D52C DA5C 66
DA5D D548 DA5E 66
DA5F D563 DA60 66
DA61 D578 DA62 66

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	5449	*/	START OF SPECIFICATIONS	*****	19670000
03	5451	*/	ROUTINE MMVE = HE004300	*/	16690000
04	5455	*/	FUNCTION = PROCESS PARAMETERS FOR DELETE PROCEDURE	*/	19730000

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30803500
30804200

0315 *** END OF EXPANSION **
8316 * NETBL V-DC, NAME-SESSIONS, TYPE-3, NEXEC-Y, NIMPT-Y, PRIME-Y, 30809300
8317 * MNSK-01001011001000001111111, NCALL-Y 30809600
009C 8318 SESSIONS EQU 156 TABLE ENTRY NUMBER
E018 B8 E018 8319 DC AL1(128*0+32*16*8*0) CTRL CODE
E019 03 E019 8320 DC AL1(0-0+3) FORMAT TYPE BYTE
E01A 0000 E01B 8321 DC BL2'00000000000000' MANDATORY FIELD MNSK
E01C 00 E01C 8322 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
E01D 4B207F E01F 3323 DC BL3'0100101100100000111111' 960 SCREEN MNSK
8>25 *** END OF EXPANSION **

E040 B8
E041 03
E042 0000
E044 00
E045 4B00FF

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		6651	*****
		6652 *	*
		6653 *	SUBROUTINE ADDRESS TABLE *
		6654 *	*
		6655	*****
04		DA31 6657	HESBRTBL EQU * SUBROUTINE ADDRESS TABLE
05		DA31 D007	DA32 6659 DC AL2(HE003000) PROCESS ALTERBSC PROCEDURE
		DA33 D0E3	DA34 6660 DC AL2(HE003100) PROCESS FORMAT PROCEDURE
		DA35 D102	DA36 6661 DC AL2(HE003200) PROCESS FROMLIBR PROCEDURE
06		DA37 D130	DA38 6662 DC AL2(HE003300) PROCESS HISTORY PROCEDURE
		DA39 D141	DA3A 6663 DC AL2(HE003400) PROCESS LIBRLIBR PROCEDURE
		DA3B D154	DA3C 6664 DC AL2(HE003500) PROCESS LISTFILE PROCEDURE
07		DA3D D188	DA3E 6665 DC AL2(HE003600) PROCESS ORGANIZE PROCEDURE
		DA3F D1AA	DA40 6666 DC AL2(HE003700) PROCESS OVERRIDE PROCEDURE
		DA41 D271	DA42 6667 DC AL2(HE003800) PROCESS REMOVE & LISTLIBR PROCS
08		DA43 D284	DA44 6668 DC AL2(HE003900) PROCESS RESTORE PROCEDURE
		DA45 D2A3	DA46 6669 DC AL2(HE004000) PROCESS SAVE PROCEDURE
		DA47 D2C2	DA48 6670 DC AL2(HE004100) PROCESS TRANSFER PROCEDURE
09		DA49 D318	DA4A 6671 DC AL2(HE004200) PROCESS BLDLIBR PROCEDURE
		DA4B D34C	DA4C 6672 DC AL2(HE004300) PROCESS DELETE PROCEDURE
		DA4D D383	DA4E 6673 DC AL2(HE004400) PROCESS SPECIFY PROCEDURE
10		DA4F D3BA	DA50 6674 DC AL2(HE004500) PROCESS ALTERSQL PROCEDURE
		DA51 D3C6	DA52 6675 DC AL2(HE004600) PROCESS CATALOG PROCEDURE
		DA53 D3FD	DA54 6676 DC AL2(HE004700) PROCESS TOLIBR PROCEDURE
11		DA55 D41C	DA56 6677 DC AL2(HE004800) PROCESS PRJJE PROCEDURE
		DA57 D48F	DA58 6678 DC AL2(HE004900) NAME CONVERSION ROUTINE
		DA59 D4E2	DA5A 6679 DC AL2(HE005000) FORMATS SPECIFIED BY NUMBER
12		DA5B D52C	DA5C 6680 DC AL2(HE005100) PROCESS PRLIST PROCEDURE
		DA5D D54B	DA5E 6681 DC AL2(HE005200) PROCESS SNESTART PROCEDURE
		DA5F D563	DA60 6682 DC AL2(HE005300) PROCESS APPLYPTF PROCEDURE
13		DA61 D578	DA62 6683 DC AL2(HE005400) PROCESS POST PROCEDURE

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**/ 19670000
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*/ 19690000
*/ 19700000
*/ 19710000
*/ 19720000
*/ 19730000

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		5491 */*	START OF SPECIFICATIONS *****/
		5492 */*	*/
03		5493 */*	ROUTINE NAME = HE004400 */
		5494 */*	*/
		5495 */*	STATUS = RELEASE 3 */
		5496 */*	*/
04		5497 */*	FUNCTION = PROCESS PARAMETERS FOR SPECIFY PROCEDURE */

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30809600

15	8366 *** END OF EXPANSION **	30870000
	8367 * HETBL V-DC, NIVE-ASTERISK, PRIVE-Y, TYPE-3, NEXEC-Y, NIAPT-Y.	30880000
	8368 * PMSK-010011010000000011111111, NCALL-Y	30890000
16	00A1 8369 ASTERISK EQU 161 TABLE ENTRY NUMBER	
	E040 B ^a E040 8370 DC AL1(128+0+32+16+8+0) CTRL CODE	
	E041 u ^j E041 8371 DC AL1(0+0+3) FORMAT TYPE BYTE	
17	E042 0000 E043 8372 DC BL2'0000000000000000' MANDATORY FIELD PMSK	
	E044 00 E044 8373 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E045 4D00FF E047 8374 DC BL3'010011010000000011111111' 960 SCREEN PMSK	
18	8376 *** END OF EXPANSION **	
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E068 80
E069 86
E06A 0000
E06C 00
E06D 555556

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27958000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 174 V09/11/81 12/05/81 12:00
02		6685	*	*****	27970000
		6686	*	*	27980000
03		6687	*	MIC NUMBER CONVERSION TABLE. USED TO CONVERT COMPAQ	27990000
		6688	*	PROCESSOR RETURN CODES TO HELP MIC NUMBERS.	28000000
		6689	*	*	28010000
		6690	*	*****	28020000
04		DA63 6692	HEMICTBL EQU *	MIC NUMBER CONVERSION TABLE	28040000
05	DA63 5683	DA64 6694	DC XL2'5683'	RETURN CODE	28060000
	DA65 2006	DA66 6695	DC XL2'2006'	MIC NUMBER	28070000
06	DA67 5684	DA68 6697	DC XL2'5684'	RETURN CODE	28090000
	DA69 2007	DA6A 6698	DC XL2'2007'	MIC NUMBER	28100000
07	DA6B 5692	DA6C 6700	DC XL2'5692'	RETURN CODE	28120000
	DA6D 2008	DA6E 6701	DC XL2'2008'	MIC NUMBER	28130000
08	DA6F FF	DA6F 6703	DC XL1'FF'	END OF TABLE	28150000
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\$HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR

DA70 07C1E3C3C840C1D9 DB3
DA78 C9C1D7C1E3C3C840
DA80 C1D9C9C1D7C1E3C3
DA88 C840C1D9C9C1D7C1
DA90 E3C3C840C1D9C9C1
DA98 07C1E3C3C840C1D9
DA9D C9C1D7C1E3C3C840
DA9E C1D9C9C1D7C1E3C3
DA9F C840C1D9C9C1D7C1
DA98 E3C3C840C1D9C9C1
DA9D 07C1E3C3C840C1D9
DA9E C9C1D7C1E3C3C840
DA9D C1D9C9C1D7C1E3C3
DA9E C840C1D9C9C1D7C1
DA9E E3C3C840C1D9C9C1
DA9E 07C1E3C3C840C1D9
DA9E C9C1D7C1E3C3C840
DA9E C1D9C9C1D7C1E3C3
DA9E C840C1D9C9C1D7C1
DA9E E3C3C840C1D9C9C1

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20150000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 138 V09/11/81 12/05/81 12:00
02		5534	*/	START OF SPECIFICATIONS *****	20520000
		5535	*/	*/	20530000
03		5536	*/	ROUTINE NAME = HE004500	20540000
		5537	*/	*/	20550000
		5538	*/	STATUS = RELEASE 3	20560000
		5539	*/	*/	20570000
04		5540	*/	FUNCTION = PROCESS PARAMETERS FOR ALTERSOL PROCEDURE	20580000

\$HELP SYSTEM/34 HELP UTILITY

ERR LOC OBJECT CODE ADDR

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30980000
ASK
MENT
N MASK

15	8468 *** END OF EXPANSION **	31046200
	8469 * HETBL V-DC, NAME-DEFINELU, PRIME-Y, TYPE-7,	
	8470 * MASK-0101110100000000111111	31046400
16	00AB 8471 DEFINELU EQU 171 TABLE ENTRY NUMBER	
	E090 80 E090 8472 DC AL1(128+0+0+0+0) CTRL CODE	
17	E091 07 E091 8473 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E092 0000 E093 8474 DC BL2'00000000000000' MANDATORY FIELD MASK	
	E094 00 E094 8475 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E095 50007F E097 8476 DC BL3'0101110100000000111111' 960 SCREEN MASK	
18	8478 *** END OF EXPANSION **	
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EQ
E0A 8000
E0BC 00
E0BD 5A07

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28170000
* 28180000
* 28190000
* 28200000
***** 28210000
28230000
28240000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 176 V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	6714 *****	28260000
	6715 * *****	28270000
	6716 * FORMAT CONTROL TABLE *	28280000
03	6717 * *****	28290000
	6718 *****	28300000
04		
05	DB38 6721 HEFRMTBL EQU * * FORMAT TABLE	28320000
06	6724 * HETBL V-DC, NAME-HEMENU01, PRIME-Y, TYPE-0, PRIV-Y,	28340000
	6725 * MASK-01010101010101010101	28350000
07	0000 6726 HEMENU01 EQU 0 TABLE ENTRY NUMBER	
	DB38 80 DB38 6727 DC AL1(128+0+0+0+0) CTRL CODE	
	DB39 80 DB39 6728 DC AL1(128+0+0) FORMAT TYPE BYTE	
08	DB3A 0000 DB38 6729 DC BL2'00000000000000' MANDATORY FIELD MASK	
	DB3C 00 DB3C 6730 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DB3D 555553 DB3F 6731 DC BL3'01010101010101010101' 960 SCREEN MASK	
09	6733 *** END OF EXPANSION **	
	6734 * HETBL V-DC, NAME-HEKEYDSC, PRIME-Y, PRIV-Y, TYPE-0,	28360000
	6735 * MASK-01010101010101010101	28370000
10	0001 6736 HEKEYDSC EQU 1 TABLE ENTRY NUMBER	
	DB40 80 DB40 6737 DC AL1(128+0+0+0+0) CTRL CODE	
	DB41 80 DB41 6738 DC AL1(128+0+0) FORMAT TYPE BYTE	
11	DB42 0000 DB43 6739 DC BL2'00000000000000' MANDATORY FIELD MASK	
	DB44 00 DB44 6740 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DB45 555555 DB47 6741 DC BL3'01010101010101010101' 960 SCREEN MASK	
12	6743 *** END OF EXPANSION **	
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\$HELP SYSTEM
ERR LOC OBJECT
DB48 80
DB49 81
DB4A 0000
DB4C 00
DB4D 555555
DB50 80
DB51 81
DB52 0000
DB53 00
DB55 555555
DB58 80
DB59 81
DB5A 0000
DB5C 00
DB5D 555555

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20760000
* 20770000
* 20780000
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* 20800000
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* 20820000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 140 V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	5599 */* START OF SPECIFICATIONS *****/	21080000
	5600 */* */	21090000
	5601 */* ROUTINE NAME = HED04700	21100000
03	5602 */* */	21110000
	5603 */* STATUS = RELEASE 3	21120000
	5604 */* */	21130000
04	5605 */* FUNCTION = PROCESS PARAMETERS FOR TOLIBR PROCEDURE	21140000

\$HELP SYSTEM
ERR LOC OBJECT

31046200	15	8519 *** END OF EXPANSION **					
31046400		8520 * HETBL V-DC, NAME=LOAD3601, PRIME-Y, TYPE-7,				31049400	
		8521 * MASK-01011010100000001111111, PWORD=1000000000				31049600	
	16	EOB0 8522 LOAD3601 EQU 176	TABLE ENTRY NUMBER				
		EOB8 8523 DC AL1(128+0+0+0+0) CTRL CODE					
		EOB9 8524 DC AL1(0+0+7) FORMAT TYPE BYTE					
	17	EOBA 8000 EOB8 8525 DC BL2'1000000000000000' MANDATORY FIELD MASK					
		EOBC 00 EOB8 8526 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT					
		EOBD 5A807F EOB8 8527 DC BL3'0101101'00000000111111' 960 SCREEN MASK					
	18	8529 *** END OF EXPANSION **					
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V09/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY				PAGE 177	V09/11/81 12/05/81 12:00
	01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
**	28260000		6745 *	HETBL V-DC, NAME=HEPRCLST, PRIME-Y, PRIV-Y, TYPE-1,		28380000	
*	28270000		6746 *	MASK-01010101010101010100'1		28390000	
*	28280000		0002 6747	HEPRCLST EQU 2	TABLE ENTRY NUMBER		
*	28290000	DB48 80	DB48 6748	DC AL1(128+0+0+0+0) CTRL CODE			
**	28300000	DB49 81	DB49 6749	DC AL1(128+0+1) FORMAT TYPE BYTE			
		DB4A 0000	DB48 6750	DC BL2'0000000000000000' MANDATORY FIELD MASK			
		DB4C 00	DB4C 6751	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT			
		DB4D 555553	DB4F 6752	DC BL3'0101010101010101010011' 960 SCREEN MASK			
	28320000		6754 ***	END OF EXPANSION **			
			6755 *	HETBL V-DC, NAME=HEPRCLS2, PRIME-Y, PRIV-Y, TYPE-1,		28400000	
			6756 *	MASK-0101010101010101010011		28410000	
	28340000		0003 6757	HEPRCLS2 EQU 3	TABLE ENTRY NUMBER		
	28350000	DB50 80	DB50 6758	DC AL1(128+0+0+0+0) CTRL CODE			
		DB51 81	DB51 6759	DC AL1(128+0+1) FORMAT TYPE BYTE			
		DB57 0000	DB53 6760	DC BL2'0000000000000000' MANDATORY FIELD MASK			
		DB54 00	DB54 6761	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT			
		DB55 555553	DB57 6762	DC BL3'0101010101010101010011' 960 SCREEN MASK			
	28360000		6764 ***	END OF EXPANSION **			
			6765 *	HETBL V-DC, NAME=HEPRCLS3, PRIME-Y, PRIV-Y, TYPE-1,		28420000	
			6766 *	MASK-0101010101010101010011		28430000	
	28370000		0004 6767	HEPRCLS3 EQU 4	TABLE ENTRY NUMBER		
		DB58 80	DB58 6768	DC AL1(128+0+0+0+0) CTRL CODE			
		DB59 81	DB59 6769	DC AL1(128+0+1) FORMAT TYPE BYTE			
		DB5A 0000	DB58 6770	DC BL2'0000000000000000' MANDATORY FIELD MASK			
		DB5C 00	DB5C 6771	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT			
		DB5D 555553	DB5F 6772	DC BL3'0101010101010101010011' 960 SCREEN MASK			
	28380000		6774 ***	END OF EXPANSION **			
	28390000						
	28400000						
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	28600000						

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	01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
/	21080000		5631 */*	START OF SPECIFICATIONS	*****	21400000	
/	21090000		5632 */*			21410000	
/	21100000		5633 */*	ROUTINE NAME = HE004800		21420000	
/	21110000		5634 */*			21430000	
/	21120000		5635 */*	STATUS = RELEASE 6		21440000	
/	21130000		5636 */*			21450000	
/	21140000		5637 */*	FUNCTION = PROCESS PARAMETERS FOR MRJE PROCEDURE		21460000	

15	8570 *** END OF EXPANSION **	5
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G01

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 178 V09/11/81 12/05/81 12:00
02				6776 * HETBL V-DC,NAME=HEPRCLS4,PRIME-Y,PRIV-Y,TYPE-1,	28433000
				6777 * MASK-01010101010101010101	28436000
03	DB60 80	DB60 6778	EQU 5	HEPRCLS4 EQU 5 TABLE ENTRY NUMBER	
	DB61 81	DB61 6779	DC	AL1(128+0+0+0+0) CTRL CODE	
	DB62 0000	DB63 6780	DC	AL1(128+0+1) FORMAT TYPE BYTE	
04	DB64 00	DB64 6781	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	DB65 555553	DB64 6782	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DB67 6783	DC	BL3'010101010101010101011' 960 SCREEN MASK	
05				6785 *** END OF EXPANSION **	
				6786 * HETBL V-DC,NAME=ALTERBSC, SUBR-30,PRIME-Y,TYPE-1,	28440000
				6787 * MASK-01010101010101010101010101010100	28450000
06	DB68 80	DB68 6788	EQU 6	ALTERBSC EQU 6 TABLE ENTRY NUMBER	
	DB69 01	DB69 6789	DC	AL1(128+0+0+0+0) CTRL CODE	
	DB6A 0000	DB69 6790	DC	AL1(0+0+1) FORMAT TYPE BYTE	
07	DB6C 01	DB68 6791	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
		DB6C 6792	DC	AL1(1) SUBROUTINE TABLE DISPLACEMENT	
		DB6F 6793	DC	BL3'010101010101010101010100' 960 SCREEN MASK	
08				6795 *** END OF EXPANSION **	
				6796 * HETBL V-DC,NAME=ALTERSOL, SUBR-45,PRIME-Y,TYPE-1,	28460000
				6797 * MASK-0101010101010101010101000011	28470000
09				0007 6798 ALTERSOL EQU 7 TABLE ENTRY NUMBER	
	DB70 80	DB70 6799	DC	AL1(128+0+0+0+0) CTRL CODE	
	DB71 01	DB71 6800	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DB72 0000	DB73 6801	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	DB74 1F	DB74 6802	DC	AL1(31) SUBROUTINE TABLE DISPLACEMENT	
	DB75 555AC3	DB77 6803	DC	BL3'0101010101010101010100011' 960 SCREEN MASK	
10				6805 *** END OF EXPANSION **	
				6806 * HETBL V-DC,NAME=BACKUP,PRIME-Y,TYPE-1,MAND-1000000000,	28480000
				6807 * MASK-0101010101010101000001111	28490000
11				0008 6808 BACKUP EQU 8 TABLE ENTRY NUMBER	
	DB78 80	DB78 6809	DC	AL1(128+0+0+0+0) CTRL CODE	
	DB79 01	DB79 6810	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DB7A 8000	DB78 6811	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DB7C 00	DB7C 6812	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DB7D 5AAADF	DB7F 6813	DC	BL3'0101010101010101000001111' 960 SCREEN MASK	
12				6815 *** END OF EXPANSION **	
				6816 * HETBL V-DC,NAME=BLDFILE,PRIME-Y,TYPE-1,MAND-1111100670,	28500000
				6817 * MASK-01010101010101010101010101010101	28510000
13				0009 6818 BLDFILE EQU 9 TABLE ENTRY NUMBER	
	DB80 80	DB80 6819	DC	AL1(128+0+0+0+0) CTRL CODE	
	DB81 01	DB81 6820	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DB82 F400	DB83 6821	DC	BL2'1111100000000000' MANDATORY FIELD MASK	
	DB84 00	DB84 6822	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DB85 555555	DB87 6823	DC	BL3'010101010101010101010101' 960 SCREEN MASK	
14				6825 *** END OF EXPANSION **	
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F01

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 142 V09/11/81 12/05/81 12:00
02	D446 9C 07 07 07	5669 HE004820	MVC	7(8,XR2),7(,XR1) MOVE KEYWORD TO BUFFER	21780000
03	D44A E2 02 01	5671 HE004830	LA	1(,XR2),XR2 XR2 --> NEXT POSITION IN BUFFER	21782000
	D44D BD 40 00	5673	CLI	0(,XR2),BLANK THIS A BLANK ?	21784000
	D450 C0 01 D44A	5674	BNE	HE004830 NO - CHECK NEXT POSITION	21785000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
28433000		6827 *		HETBL V-DC,NAME-BLDLIBR, SUBR-42, PRIME-Y, TYPE-1,
28436000		6828 *		MASK-0101010101010000011111,MAND-1110000000
	000A	6829	BLDLIBR EQU 10	TABLE ENTRY NUMBER
DB88 80	DB88	6830	DC	AL1(128+0+0+0+0) CTRL CODE
DB89 01	DB89	6831	DC	AL1(0+0+1) FORMAT TYPE BYTE
DB8A E000	DB8B	6832	DC	BL2'1110000000000000' MANDATORY FIELD MASK
DB8C 19	DB8C	6833	DC	AL1(25) SUBROUTINE TABLE DISPLACEMENT
DB8D 55541F	DB8F	6834	DC	BL3'0101010101010000011111' 960 SCREEN MASK
		6836 ***	END OF EXPANSION **	
28440000		6837 *		HETBL V-DC,NAME-BLDLIBR2,TYPE-1,
28450000		6838 *		MASK-000000000000000101010101
	000B	6839	BLDLIBR2 EQU 11	TABLE ENTRY NUMBER
DB90 00	DB90	6840	DC	AL1(0+0+0+0+0) CTRL CODE
DB91 01	DB91	6841	DC	AL1(0+0+1) FORMAT TYPE BYTE
DB92 0000	DB93	6842	DC	BL2'0000000000000000' MANDATORY FIELD MASK
DB94 00	DB94	6843	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
DB95 000155	DB97	6844	DC	BL3'000000000000000101010101' 960 SCREEN MASK
		6846 ***	END OF EXPANSION **	
28460000		6847 *		HETBL V-DC,NAME-BLDLIBR3,TYPE-1,
28470000		6848 *		MASK-00000000000000010101
	000C	6849	BLDLIBR3 EQU 12	TABLE ENTRY NUMBER
DB98 00	DB98	6850	DC	AL1(0+0+0+0+0) CTRL CODE
DB99 01	DB99	6851	DC	AL1(0+0+1) FORMAT TYPE BYTE
DB9A 0000	DB9B	6852	DC	BL2'0000000000000000' MANDATORY FIELD MASK
DB9C 00	DB9C	6853	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
DB9D 000015	DB9F	6854	DC	BL3'000000000000000101010101' 960 SCREEN MASK
		6856 ***	END OF EXPANSION **	
28480000		6857 *		HETBL V-DC,NAME-BLDMENU,PRIME-Y,TYPE-1,MAND-1000000000,
28490000		6858 *		MASK-0101010101010101010100
	000D	6859	BLDMENU EQU 13	TABLE ENTRY NUMBER
DBA0 80	DBA0	6860	DC	AL1(128+0+0+0+0) CTRL CODE
DBA1 01	DBA1	6861	DC	AL1(0+0+1) FORMAT TYPE BYTE
DBA2 8000	DBA3	6862	DC	BL2'1000000000000000' MANDATORY FIELD MASK
DBA4 00	DBA4	6863	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
DBA5 5556D4	DBA7	6864	DC	BL3'0101010101010101010100' 960 SCREEN MASK
		6866 ***	END OF EXPANSION **	
28500000		6867 *		HETBL V-DC,NAME-BUILD,PRIME-Y,TYPE-1,
28510000		6868 *		MASK-010101000000000111111111
	000E	6869	BUILD EQU 14	TABLE ENTRY NUMBER
DBA8 80	DBA8	6870	DC	AL1(128+0+0+0+0) CTRL CODE
DBA9 01	DBA9	6871	DC	AL1(0+0+1) FORMAT TYPE BYTE
DBAA 0000	DBAB	6872	DC	BL2'0000000000000000' MANDATORY FIELD MASK
DBAC 00	DBAC	6873	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
DBAD 5A00FF	DBAF	6874	DC	BL3'01010101000000000111111111' 960 SCREEN MASK
		6876 ***	END OF EXPANSION **	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
		28520000		
		28530000		
		28550000		
		28560000		
		28570000		
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		28700000		
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		28800000		
		28810000		
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		28900000		
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		28970000		
		28980000		
		28990000		
		29000000		
		29010000		
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		29050000		
		29060000		
		29070000		
		29080000		
		29090000		
		29100000		
		29110000		
		29120000		
		29130000		
		29140000		
		29150000		
		29160000		
		29170000		
		29180000		
		29190000		
		29200000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
		0000		
		0001		
		0002		
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		0020		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
21780000		5700 */*		START OF SPECIFICATIONS *****/
21782000		5701 */*		*/
		5702 */*		ROUTINE NAME = HE004900
		5703 */*		*/
21784000		5704 */*		STATUS = :RELEASE 3
21785000		5705 */*		*/

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
		21960000		
		21970000		
		21980000		
		21990000		
		22000000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
		D4CB 75 01 04		
		D4CE 9C 07 07 00		
		D4D2 3A 10 D73C		
		D4D6 3E 01 07E8		

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9	V09/11/81	12/05/81	12:00
28520000			
28530000			
28550000			
28560000			
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28580000			
28590000			
28600000			
28610000			
28620000			

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ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	6878 * HETBL V-DC,NAME-CATALOG,SUBR-46,PRIME-Y,TYPE-1, 28630000 6879 * MASK-010101010000000011111111 28640000		
03	000F 688C CATALOG EQU 15 TABLE ENTRY NUMBER DBB0 80 DBB0 6881 DC AL1(128+0+0+0+0) CTRL CODE DBB1 01 DBB1 6882 DC AL1(0+0+1) FORMAT TYPE BYTE		
04	DBB2 0000 DBB3 6883 DC BL2'0000000000000000' MANDATORY FIELD MASK DBB4 21 DBB4 6884 DC AL1(33) SUBROUTINE TABLE DISPLACEMENT DBB5 5500FF DBB7 6885 DC BL3'010101010000000011111111' 960 SCREEN MASK		
05	6887 *** END OF EXPANSION ** 6888 * HETBL V-DC,NAME-CATALOG2,TYPE-1, 28650000 6889 * MASK-000000000101010100001111 28660000		
06	0010 6890 CATALOG2 EQU 16 TABLE ENTRY NUMBER DBB8 00 DBB8 6891 DC AL1(0+0+0+0+0) CTRL CODE DBB9 01 DBB9 6892 DC AL1(0+0+1) FORMAT TYPE BYTE		
07	DBBA 0000 DBB8 6893 DC BL2'0000000000000000' MANDATORY FIELD MASK DBBC 00 DBBC 6894 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DBBD 00550F DBBF 6895 DC BL3'000000000101010100001111' 960 SCREEN MASK		
08	6897 *** END OF EXPANSION ** 6898 * HETBL V-DC,NAME-CATALOG3,TYPE-1, 28663000 6899 * MASK-00000000010000000111111111 28666000		
09	0011 6900 CATALOG3 EQU 17 TABLE ENTRY NUMBER DBC0 00 DBC0 6901 DC AL1(0+0+0+0+0) CTRL CODE DBC1 01 DBC1 6902 DC AL1(0+0+1) FORMAT TYPE BYTE		
10	DBC2 0000 DBC3 6903 DC BL2'0000000000000000' MANDATORY FIELD MASK DBC4 00 DBC4 6904 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DBC5 00407F DBC7 6905 DC BL3'00000000010000000011111111' 960 SCREEN MASK		
11	6907 *** END OF EXPANSION ** 6908 * HETBL V-DC,NAME-COMPRESS,PRIME-Y,TYPE-1, 28670000 6909 * MASK-010111101000000000111111 28680000		
12	0012 6910 COMPRESS EQU 18 TABLE ENTRY NUMBER DBC8 80 DBC8 6911 DC AL1(128+0+0+0+0) CTRL CODE DBC9 01 DBC9 6912 DC AL1(0+0+1) FORMAT TYPE BYTE		
13	DBCA 0000 DBCB 6913 DC BL2'0000000000000000' MANDATORY FIELD MASK DBCC 00 DBCC 6914 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DBCD 5E803F DBCF 6915 DC BL3'01011110100000000011111111' 960 SCREEN MASK		
14	6917 *** END OF EXPANSION ** 6918 * HETBL V-DC,NAME-CONDENSE,PRIME-Y,TYPE-1, 28690000 6919 * MASK-010111101000000000111111 28700000		
15	0013 6920 CONDENSE EQU 19 TABLE ENTRY NUMBER DBD0 80 DBD0 6921 DC AL1(128+0+0+0+0) CTRL CODE DBD1 01 DBD1 6922 DC AL1(0+0+1) FORMAT TYPE BYTE		
16	DBD2 0000 DBD3 6923 DC BL2'0000000000000000' MANDATORY FIELD MASK DBD4 00 DBD4 6924 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DBD5 5E803F DBD7 6925 DC BL3'01011110100000000011111111' 960 SCREEN MASK		
17	6927 *** END OF EXPANSION **		

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ERR LOC OBJECT CODE	ADDR
02	
03	DBD8 80 DBD DBD9 01 DBD
04	DBDA 2000 DBD DBDC 00 DBD DBDD 555547 DBD
05	
06	DBE0 80 DBE DBE1 01 DBE
07	DBE2 0000 DBE DBE4 00 DBE
08	DBE5 5AA81F DBE
09	
10	DBE8 80 DBE DBE9 01 DBE DBEA 8000 DBE DBEC 00 DBE DBED 55A03F DBE
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12	
13	DBF0 80 DBF DBF1 01 DBF
14	DBF2 8000 DBF DBF4 00 DBF DBF5 5EA01F DBF
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16	DBF8 80 DBF DBF9 01 DBF
17	DBFA 8000 DBF DBFC 00 DBF
18	DBFD 5401FF DBF
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**/	21960000	
*/	21970000	
*/	21980000	
*/	21990000	
*/	22000000	
*/	22010000	

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ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	D4CB 75 01 04 5745 HE004950 L 4(C,XR1),XR1 XR1 ---> NEWNAME ADDRESS 22410000		
03	D4CE 9C 07 07 00 5747 MVC 7(C,XR2),0C,XR1) MOVE FORMAT NAME TO BUFFER 22430000 D4D2 3A 10 D73C 5748 SBN HESEARCH,HESEARCH SET TO ALLOW NOT CALLABLE 22440000		
	D4D6 35 01 D758 5750 HF004990 I HFPPSAR XR1 XR1 ---> CURRENT PRCA 22460000		

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ERR LOC OBJECT CODE	ADDR
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8663 *** END OF EXPANSION **

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
		6929 *		HETBL	V-DC,NAME-COPY11,PRIME-Y,TYPE-1,MMND-0010000000,	28710000
28630000		6930 *			MASK-01010101010101010001111	28720000
28640000		0014	6931	COPY11	EQU 20	TABLE ENTRY NUMBER
	DBD8 80	DBD8	6932	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DBD9 01	DBD9	6933	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DBDA 2000	DBDB	6934	DC	BL2'0010000000000000' MANDATORY FIELD MASK	
	DBDC 00	DBDC	6935	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBDD 555547	DBDF	6936	DC	BL3'01010101010101010001111' %60 SCREEN MASK	
		6938 ***		END OF EXPANSION **		
28650000		6939 *		HETBL	V-DC,NAME-COPYPRT,PRIME-Y,TYPE-1,	28723000
28660000		6940 *			MASK-0101101010101000000111111	28726000
		0015	6941	COPYPRT	EQU 21	TABLE ENTRY NUMBER
	DBE0 80	DBE0	6942	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DBE1 01	DBE1	6943	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DBE2 0000	DBE3	6944	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	DBE4 00	DBE4	6945	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBE5 5AAB1F	DBE7	6946	DC	BL3'0101101010101000000111111' %60 SCREEN MASK	
		6948 ***		END OF EXPANSION **		
28663000		6949 *		HETBL	V-DC,NAME-CREATE,PRIME-Y,TYPE-1,MMND-1000000000,	28730000
28666000		6950 *			MASK-0101010110100000001111111	28740000
		0016	6951	CREATE	EQU 22	TABLE ENTRY NUMBER
	DBE8 80	DBE8	6952	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DBE9 01	DBE9	6953	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DBEA 8000	DBE9	6954	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DBEC 00	DBEC	6955	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBED 55A03F	DBEF	6956	DC	BL3'0101010110100000001111111' %60 SCREEN MASK	
		6958 ***		END OF EXPANSION **		
28670000		6959 *		HETBL	V-DC,NAME-CRESTART,PRIME-Y,TYPE-1,MMND-1000000000,	28743000
28680000		6960 *			MASK-0101111010100000001111111	28746000
		0017	6961	CRESTART	EQU 23	TABLE ENTRY NUMBER
	DBF0 80	DBF0	6962	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DBF1 01	DBF1	6963	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DBF2 8000	DBF3	6964	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DBF4 00	DBF4	6965	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBF5 5EA01F	DBF7	6966	DC	BL3'0101111010100000001111111' %60 SCREEN MASK	
		6968 ***		END OF EXPANSION **		
28690000		6969 *		HETBL	V-DC,NAME-DATE,PRIME-Y,TYPE-1,MMND-1000000000,	28750000
28700000		6970 *			MASK-01010100000000111111111	28760000
		0018	6971	DATE	EQU 24	TABLE ENTRY NUMBER
	DBF8 80	DBF8	6972	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DBF9 01	DBF9	6973	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DBFA 8000	DBFB	6974	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DBFC 00	DBFC	6975	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBFD 5401FF	DBFF	6976	DC	BL3'01010100000000111111111' %60 SCREEN MASK	
		6978 ***		END OF EXPANSION **		

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22410000
22430000
22440000
22460000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
		5754 */*			START OF SPECIFICATIONS *****/*****/	22500000
		5755 */*			*/	22510000
		5756 */*			ROUTINE NAME = HE005000	22520000
		5757 */*			*/	22530000
		5758 */*			STATUS = RELEASE 3	22540000
		5759 */*			*/	22550000
		5760 */*			FUNCTION DISPLAY COMMANDS SPECIFIED BY NUMBER	22560000

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8704 *** END OF EXPANSION **

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E168 B8
E169 04
E16A 0000
E16C 00
E16D 7FF001

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 182 V09/11/81 12/05/81 12:00
02		6980 *		HETBL V-DC,NAME-DELETE, SUBR-43,PRIME-Y,TYPE-1,MAND-1000000000,	28770000
		6981 *		MASK-01010101010100000111111	28780000
03	DC00 80	0019 6982	DELETE EQU	25 TABLE ENTRY NUMBER	
	DC01 01	DC00 6983	DC	AL1(128*0+0+0+0+0) CTRL CODE	
		DC01 6984	DC	AL1(0+0+1) FORMAT TYPE BYTE	
04	DC02 8000	DC03 6985	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DC04 18	DC04 6986	DC	AL1(27) SUBROUTINE TABLE DISPLACEMENT	
	DC05 55503F	DC07 6987	DC	BL3'01010101010100000111111' %60 SCREEN MASK	
05		6989 ***		END OF EXPANSION **	
		6990 *		HETBL V-DC,NAME-DELETE2,TYPE-1,	28790000
		6991 *		MASK-0000000000010000011111	28800000
06	DC08 00	001A 6992	DELETE2 EQU	26 TABLE ENTRY NUMBER	
	DC09 01	DC08 6993	DC	AL1(0+0+0+0+0) CTRL CODE	
	DC0A 0000	DC09 6994	DC	AL1(0+0+1) FORMAT TYPE BYTE	
07	DC0C 00	DC0B 6995	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	DC0D 00041F	DC0C 6996	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DC0F 6997	DC	BL3'00000000000100000111111' %60 SCREEN MASK	
08		6999 ***		END OF EXPANSION **	
		7000 *		HETBL V-DC,NAME-DELETE3,TYPE-1,	28810000
		7001 *		MASK-0000000000010000011111	28820000
09	DC10 00	001B 7002	DELETE3 EQU	27 TABLE ENTRY NUMBER	
	DC11 01	DC10 7003	DC	AL1(0+0+0+0+0) CTRL CODE	
	DC12 0000	DC11 7004	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DC14 00	DC13 7005	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	DC15 00041F	DC14 7006	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DC17 7007	DC	BL3'00000000000100000111111' %60 SCREEN MASK	
10		7009 ***		END OF EXPANSION **	
		7010 *		HETBL V-DC,NAME-DISABLE,PRIME-Y,TYPE-1,MAND-1000000000,	28822000
		7011 *		MASK-01010101000000001111111	28824000
11	DC18 80	001C 7012	DISABLE EQU	28 TABLE ENTRY NUMBER	
	DC19 01	DC18 7013	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DC1A 8000	DC19 7014	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DC1C 00	DC1B 7015	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DC1D 5500FF	DC1C 7016	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DC1F 7017	DC	BL3'01010101000000011111111' %60 SCREEN MASK	
12		7019 ***		END OF EXPANSION **	
		7020 *		HETBL V-DC,NAME-DISPLAY,PRIME-Y,TYPE-1,MAND-1000000000,	28826000
		7021 *		MASK-010101010101000001111	28828000
13	DC20 80	001D 7022	DISPLAY EQU	29 TABLE ENTRY NUMBER	
	DC21 01	DC20 7023	DC	AL1(128*0+0+0+0+0) CTRL CODE	
	DC22 8000	DC21 7024	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DC24 00	DC23 7025	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DC25 55550F	DC24 7026	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DC27 7027	DC	BL3'01010101010101000011111' %60 SCREEN MASK	
14		7029 ***		END OF EXPANSION **	
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01					
02					
03	DC28 80				
	DC29 01				
	DC2A 8000				
	DC2C 00				
	DC2D 5AAA0F				
05					
06	DC30 80				
	DC31 01				
	DC32 4000				
	DC34 03				
	DC35 5500FF				
08					
09					
10	DC38 00				
	DC39 01				
	DC3A 4000				
	DC3C 00				
	DC3D 005555				
11					
12					
13	DC40 00				
	DC41 01				
	DC42 4000				
	DC44 00				
	DC45 00503F				
15					
16	DC48 80				
	DC49 01				
	DC4A 8000				
	DC4C 05				
	DC4D 55541F				
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 146 V09/11/81 12/05/81 12:00
02		5798		*****	22940000
		5799 *		*	22950000
03		5800 *		ERROR - INVALID NUMBER SPECIFIED--ENTER VALID NUMBER	22960000
		5801 *		*	22970000
		5802		*****	22980000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01					
02					
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31370000
31380000

15	8796 *** END OF EXPANSION **	
	8797 * HETBL V-DC,NAME-COND3,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,SPLIT-Y,	31450000
	8798 * MASK-0111111111110000000000,NCALL-Y,ROLL-Y	31460000
16	00CB 8799 COND3 EQU 203 TABLE ENTRY NUMBER	
	E190 8800 DC AL1(128+64+32+16+8+4) CTRL CODE	
	E191 04 E191 8801 DC AL1(0+0+4) FORMAT TYPE BYTE	
17	E192 0000 E193 8802 DC BL2'000000000000000' MANDATORY FIELD MASK	
	E194 00 E194 8803 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E195 7FF800 E197 8804 DC BL3'0111111111110000000000' 960 SCREEN MASK	
18	8806 *** END OF EXPANSION **	

E188 88	E188
E189 04	E189
E18A 0000	E18B
E18C 00	E18C
E18D 7FF800	E18F

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28830000
28840000
28850000
28860000
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28900000
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02		7082 * HETBL V-DC,NAME-FRMLIB2,TYPE-1,MAND-0100000000,	28930000	
		7083 * MASK-000000000000000101010101	28940000	
03	DC50 00	0023 7084 FRMLIB2 EQU 35 TABLE ENTRY NUMBER		
	DC50 01	DC50 7085 DC AL1(0+0+0+0+0+0) CTRL CODE		
	DC51 01	DC51 7086 DC AL1(0+0+1) FORMAT TYPE BYTE		
04	DC52 4000	DC53 7087 DC BL2'010000000000000' MANDATORY FIELD MASK		
	DC54 00	DC54 7088 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DC55 000155	DC57 7089 DC BL3'000000000000000101010101' 960 SCREEN MASK		
05		7091 *** END OF EXPANSION **		
		7092 * HETBL V-DC,NAME-FRMLIB3,TYPE-1,	28950000	
		7093 * MASK-000000000000000101010011	28960000	
06	DC58 00	0024 7094 FRMLIB3 EQU 36 TABLE ENTRY NUMBER		
	DC58 01	DC58 7095 DC AL1(0+0+0+0+0+0) CTRL CODE		
	DC59 01	DC59 7096 DC AL1(0+0+1) FORMAT TYPE BYTE		
07	DC5A 0000	DC5B 7097 DC BL2'000000000000000' MANDATORY FIELD MASK		
	DC5C 00	DC5C 7098 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DC5D 000153	DC5F 7099 DC BL3'000000000000000101010101' 960 SCREEN MASK		
08		7101 *** END OF EXPANSION **		
		7102 * HETBL V-DC,NAME-HISTCRT,PRIME-Y,TYPE-1,	28963000	
		7103 * MASK-010101000000000111111111	28966000	
09		0025 7104 HISTCRT EQU 37 TABLE ENTRY NUMBER		
10	DC60 80	DC60 7105 DC AL1(128+0+0+0+0+0) CTRL CODE		
	DC61 01	DC61 7106 DC AL1(0+0+1) FORMAT TYPE BYTE		
	DC62 0000	DC63 7107 DC BL2'000000000000000' MANDATORY FIELD MASK		
11	DC64 00	DC64 7108 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DC65 5401FF	DC67 7109 DC BL3'010101000000000111111111' 960 SCREEN MASK		
12		7111 *** END OF EXPANSION **		
		7112 * HETBL V-DC,NAME-HISTORY,SUBR-33,PRIME-Y,TYPE-1,	28970000	
		7113 * MASK-0101010101010101010001	28980000	
13	DC68 80	0026 7114 HISTORY EQU 38 TABLE ENTRY NUMBER		
	DC68 01	DC68 7115 DC AL1(128+0+0+0+0+0) CTRL CODE		
	DC69 01	DC69 7116 DC AL1(0+0+1) FORMAT TYPE BYTE		
14	DC6A 0000	DC6B 7117 DC BL2'000000000000000' MANDATORY FIELD MASK		
	DC6C 07	DC6C 7118 DC AL1(7) SUBROUTINE TABLE DISPLACEMENT		
	DC6D 558551	DC6F 7119 DC BL3'0101010101010101010001' 960 SCREEN MASK		
15		7121 *** END OF EXPANSION **		

DC70 80	DC70
DC71 01	DC71
DC72 8000	DC73
DC74 00	DC74
DC75 5AB07F	DC77
DC78 80	DC78
DC79 01	DC79
DC7A 0000	DC7B
DC7C 00	DC7C
DC7D 55503F	DC7F

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23070450
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02		5845 ** START OF SPECIFICATIONS *****/	23073060	
		5846 ** */	23073150	
03		5847 ** ROUTINE NAME = HE005200	23073240	
		5848 ** */	23073330	
		5849 ** STATUS = RELEASE 6	23073420	
		5850 ** */	23073510	

ERR LOC OBJECT CODE	ADDR
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SPLIT-Y, 31450000
31460000

15	8847 *** END OF EXPANSION **	31530000
	8848 * HETBL V-DC,NAME-CANCEL2,PRIME-Y,TYPE-4,NESEC-Y,NINPT-Y,	31540000
	8849 * MASK-0111111111110000000000,NCALL-Y	31540000
16	0000 8850 CANCEL2 EQU 208 TABLE ENTRY NUMBER	
	E1B8 B8 E1B8 8851 DC AL1(128+0+32+16+8+0) CTRL CODE	
	E1B9 04 E1B9 8852 DC AL1(0+0+4) FORMAT TYPE BYTE	
17	E1BA 0000 E1BB 8853 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E1BC 00 E1BC 8854 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E1BD 7FF800 E1BF 8855 DC BL3'011111111111110000000000' 960 SCREEN MASK	
18	8857 *** END OF EXPANSION **	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		7123 *		HETBL	V-DC,NAME-ICFDEBUG,PRIME-Y,TYPE-1,	28983000
		7124 *			MASK-0101101010000000111111,MAND-1000000000	28986000
03	DC70 80	DC70 7126	EQU	39	TABLE ENTRY NUMBER	
	DC71 01	DC71 7127	DC	AL1(128+0+0+0+0+0) CTRL CODE		
	DC72 8000	DC73 7128	DC	BL2'1000000000000000' MANDATORY FIELD MASK		
	DC74 00	DC74 7129	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DC75 5A807F	DC77 7130	DC	BL3'0101101010000000111111' 960 SCREEN MASK		
05		7132 *** END OF EXPANSION **				
		7133 *		HETBL	V-DC,NAME-INIT,PRIME-Y,TYPE-1,	28990000
		7134 *			MASK-010101010101000000111111	29000000
06	DC78 80	DC78 7136	EQU	40	TABLE ENTRY NUMBER	
	DC79 01	DC79 7137	DC	AL1(128+0+0+0+0+0) CTRL CODE		
	DC7A 0000	DC7B 7138	DC	BL2'0000000000000000' MANDATORY FIELD MASK		
	DC7C 00	DC7C 7139	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT		
	DC7D 55503F	DC7F 7140	DC	BL3'010101010101000000111111' 960 SCREEN MASK		
08		7142 *** END OF EXPANSION **				

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DC80 80
DC81 01
DC82 8000
DC84 00
DC85 5A8B51

DC88 80
DC89 01
DC8A 8000
DC8C 00
DC8D 55407F

DC90 80
DC91 01
DC92 9000
DC94 00
DC95 555563

DC98 80
DC99 01
DC9A 0000
DC9C 00
DC9D 55407F

DCA0 80
DCA1 01
DCA2 8000
DCA4 08
DCA5 55581F

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*****/
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23073060
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23073330
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23073510

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		5873 */*		START OF SPECIFICATIONS	*****	23075493
		5874 */*			*/	23075496
		5875 */*		ROUTINE NAME = HE005300	*/	23075499
03		5876 */*			*/	23075502
		5877 */*		STATUS = RELEASE 6	*/	23075505
		5878 */*			*/	23075508

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15	8898 *** END OF EXPANSION **		
16	8900 *****		31640000
	8901 *		31650000
	8902 * THE END OF THE TABLE IS CONTAINED IN SHET9 AND SHETA, WHICH		31660000
	8903 * IS INCLUDED HERE.		31670000
17	8904 *		31680000
	8905 *****		31690000
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29000000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 186 V09/11/81 12/05/81 12:00
02			7144 *	HETBL	V-DC,NAME-JOBSTR,PRIME-Y,TYPE-1,MAND-1000000000,	29010000
			7145 *		MASK-010110101010101010001	29020000
03	DC80 80	DC80	7146	JOBSTR	EQU 41	TABLE ENTRY NUMBER
	DC81 01	DC81	7147		DC AL1(128+0+0+0+0) CTRL CODE	
	DC82 8000	DC83	7149		DC BL2'1000000000000000' MANDATORY FIELD MASK	
04	DC84 00	DC84	7150		DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DC85 5AAB51	DC87	7151		DC BL3'010110101010101010001' 960 SCREEN MASK	
05			7153 ***	END OF EXPANSION **		
			7154 *	HETBL	V-DC,NAME-KEYSORT,PRIME-Y,TYPE-1,MAND-1000000000,	29030000
			7155 *		MASK-010101010100000001111111	29040000
06	DC88 80	002A	7156	KEYSORT	EQU 42	TABLE ENTRY NUMBER
	DC89 01	DC89	7158		DC AL1(128+0+0+0+0) CTRL CODE	
	DC8A 8000	DC88	7159		DC AL1(0+0+1) FORMAT TYPE BYTE	
07	DC8C 00	DC8C	7160		DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DC8D 55407F	DC8F	7161		DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
					DC BL3'01010101010000001111111' 960 SCREEN MASK	
08			7163 ***	END OF EXPANSION **		
			7164 *	HETBL	V-DC,NAME-LIBRLIBR,SUBR-34,PRIME-Y,TYPE-1,	29050000
			7165 *		MASK-010101010101010100011,MAND-1001000000	29060000
09	DC90 80	002B	7166	LIBRLIBR	EQU 43	TABLE ENTRY NUMBER
	DC91 01	DC91	7168		DC AL1(128+0+0+0+0) CTRL CODE	
	DC92 9000	DC93	7169		DC AL1(0+0+1) FORMAT TYPE BYTE	
	DC94 09	DC94	7170		DC BL2'1001000000000000' MANDATORY FIELD MASK	
11	DC95 555563	DC97	7171		DC AL1(9) SUBROUTINE TABLE DISPLACEMENT	
					DC BL3'01010101010101010100011' 960 SCREEN MASK	
12			7173 ***	END OF EXPANSION **		
			7174 *	HETBL	V-DC,NAME-LINES,PRIME-Y,TYPE-1,	29070000
			7175 *		MASK-01010101010000001111111	29080000
13	DC98 80	002C	7176	LINES	EQU 44	TABLE ENTRY NUMBER
	DC99 01	DC98	7177		DC AL1(128+0+0+0+0) CTRL CODE	
	DC9A 0000	DC99	7178		DC AL1(0+0+1) FORMAT TYPE BYTE	
14	DC9C 00	DC98	7179		DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DC9D 55407F	DC9C	7180		DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
					DC BL3'01010101010000001111111' 960 SCREEN MASK	
15			7183 ***	END OF EXPANSION **		
			7184 *	HETBL	V-DC,NAME-LISTFILE,SUBR-35,PRIME-Y,TYPE-1,	29090000
			7185 *		MASK-01010101010100000111111,MAND-1000000000	29100000
16	DCA0 80	002D	7186	LISTFILE	EQU 45	TABLE ENTRY NUMBER
	DCA1 01	DCA0	7187		DC AL1(128+0+0+0+0) CTRL CODE	
	DCA2 8000	DCA1	7188		DC AL1(0+0+1) FORMAT TYPE BYTE	
17	DCA4 08	DCA3	7189		DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DCA5 55581F	DCA4	7190		DC AL1(11) SUBROUTINE TABLE DISPLACEMENT	
					DC BL3'01010101010100000111111' 960 SCREEN MASK	
18			7193 ***	END OF EXPANSION **		
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DCAB 00
DCA9 01
DCAA 0000
DCAC 00
DCAD 000287

DCB0 80
DCB1 01
DCB2 8000
DCB4 11
DCB5 5AB40F

DCB8 80
DCB9 01
DCBA 0000
DCBC 00
DCBD 5F500F

DCC0 80
DCC1 01
DCC2 8000
DCC4 00
DCC5 55407F

DCC8 00
DCC9 01
DCCA 8000
DCC0 00
DCCD 0015AA

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					\$HELP SYSTEM/34 HELP UTILITY	PAGE 150 V09/11/81 12/05/81 12:00
02			5901 */*	START OF SPECIFICATIONS *****		23075580
			5902 */*			23075670
03			5903 */*	ROUTINE NAME = HE005400		23075760
			5904 */*			23075850
			5905 */*	STATUS = RELEASE 8		23075940
			5906 */*			23076030
04			5907 */*			23076120

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D5A6 3C 02 D73D
D5AA F2 87 04

D5AD 3C 04 D73D

D5B1 00 83 0B32

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*	31650000
*	31660000
*	31670000
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29010000	
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29100000	
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29130000	
29140000	
29150000	
29160000	
29170000	
29180000	
29190000	
29200000	

\$HELP SYSTEM/34 HELP UTILITY		PAGE 187 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		7195 * HETBL V-DC,NAME-LISTFIL2,TYPE-1, 29110000	
		7196 * MASK-0000000000001010000111 29120000	
03	DCAB 00	002E 7197 LISTFIL2 EQU 46 TABLE ENTRY NUMBER	
	DCA9 01	DCAB 7198 DC AL1(0+0+0+0+0) CTRL CODE	
	DCA9 01	DCA9 7199 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DCAA 0000	DCAB 7200 DC BL2'00000000000000' MANDATORY FIELD MASK	
	DCAC 00	DCAC 7201 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DCAD 0002B7	DCAF 7202 DC BL3'0000000000001010000111' 960 SCREEN MASK	
05		7204 *** END OF EXPANSION **	
		7205 * HETBL V-DC,NAME-LISTLIBR, SUBR-38, PRIME-Y, TYPE-1, 29130000	
		7206 * MASK-01011010101010000001111,MAND-1000000000 29140000	
06	DCBO 80	002F 7207 LISTLIBR EQU 47 TABLE ENTRY NUMBER	
	DCB1 01	DCBO 7208 DC AL1(128+0+0+0+0) CTRL CODE	
	DCB1 01	DCB1 7209 DC AL1(0+0+1) FORMAT TYPE BYTE	
07	DCB2 8000	DCB3 7210 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DCB4 11	DCB4 7211 DC AL1(17) SUBROUTINE TABLE DISPLACEMENT	
	DCB5 5AB40F	DCB7 7212 DC BL3'01011010101010000001111' 960 SCREEN MASK	
08		7214 *** END OF EXPANSION **	
		7215 * HETBL V-DC,NAME-LOG, PRIME-Y, TYPE-1, 29150000	
		7216 * MASK-01011111010100000001111 29160000	
09	DCB8 80	0030 7217 LOG EQU 48 TABLE ENTRY NUMBER	
	DCB9 01	DCB8 7218 DC AL1(128+0+0+0+0) CTRL CODE	
	DCBA 0000	DCB9 7219 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DCBA 0000	DCBB 7220 DC BL2'0000000000000000' MANDATORY FIELD MASK	
11	DCBC 00	DCBC 7221 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DCBD 5F500F	DCBF 7222 DC BL3'01011111010100000001111' 960 SCREEN MASK	
12		7224 *** END OF EXPANSION **	
		7225 * HETBL V-DC,NAME-ORGANIZE, SUBR-36, PRIME-Y, TYPE-1, 29170000	
		7226 * MASK-01010101010000001111111,MAND-1000000000 29180000	
13	DCC0 80	0031 7227 ORGANIZE EQU 49 TABLE ENTRY NUMBER	
	DCC1 01	DCC0 7228 DC AL1(128+0+0+0+0) CTRL CODE	
	DCC1 01	DCC1 7229 DC AL1(0+0+1) FORMAT TYPE BYTE	
14	DCC2 8000	DCC3 7230 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DCC4 00	DCC4 7231 DC AL1(13) SUBROUTINE TABLE DISPLACEMENT	
	DCC5 55407F	DCC7 7232 DC BL3'010101010100000001111111' 960 SCREEN MASK	
15		7234 *** END OF EXPANSION **	
		7235 * HETBL V-DC,NAME-ORGANIZ2, TYPE-1,MAND-1000000000, 29190000	
		7236 * MASK-0000000000101010101010 29200000	
16	DCC8 00	0032 7237 ORGANIZ2 EQU 50 TABLE ENTRY NUMBER	
	DCC9 01	DCC8 7238 DC AL1(0+0+0+0+0) CTRL CODE	
	DCC9 01	DCC9 7239 DC AL1(0+0+1) FORMAT TYPE BYTE	
17	DCCA 8000	DCCB 7240 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DCCC 00	DCCC 7241 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DCCD 0015AA	DCCF 7242 DC BL3'00000000001010101010' 960 SCREEN MASK	
18		7244 *** END OF EXPANSION **	
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 187 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02			
03	DCD0 00		
	DCD1 01		
	DCD2 8000		
04	DCD4 00		
	DCD5 0015A3		
05			
06	DCD8 80		
	DCD9 01		
07	DCDA 0000		
	DCDC 0F		
08	DCDD 5500FF		
09			
10	DCE0 00		
	DCE1 01		
	DCE2 0000		
	DCE4 00		
11	DCE5 56AAA3		
12			
13	DCE8 00		
	DCE9 01		
	DCEA 0000		
14	DCEC 00		
	DCED 005553		
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16	DCF0 00		
	DCF1 01		
17	DCF2 0000		
	DCF4 00		
	DCF5 000009		
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23075580	
23075670	
23075760	
23075850	
23075940	
23076030	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	D5A6 3C 02 D73D	5937 HE005410 MVI HESRCHDP,TWO MOVE 2 TO DISPLACEMENT COUNTER 23078730	
	D5AA F2 87 04	5938 J HE005430 CONTINUE 23078820	
03	D5AD 3C 04 D73D	5940 HE005420 MVI HESRCHDP,FOUR MOVE 4 TO DISPLACEMENT COUNTER 23079000	
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 151 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
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\$AIDRLDN C 001 00F4 0
\$AIDRLSE C 001 00FF 0
\$AIDRLUP C 001 00F5 0
\$AIDSYRQ C 001 00F0 0
\$AIDTEST C 001 0030 0
\$DF C 001 0002 0
\$DFAT1 C 001 000C 0
\$DFAT2 C 001 0000 0
\$DFAT3 C 001 000E 0
\$DFAT4 C 001 000F 0
\$DFCHA C 001 0005 0
\$DFCHB C 001 0007 0
\$DFCMP C 001 000A 0
\$DFDEV C 001 0000 0
\$DFDMA C 001 0002 0
\$DFLEN C 001 001A 0

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29110000
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 188 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		7246 * HETBL V-DC, NAME-ORGANIZ3, TYPE-1, MAND-1000000000, 29210000	
		7247 * MASK-00000000001010110100011 29220000	
03	DCD0 00	0033 7248 ORGANIZ3 EQU 51 TABLE ENTRY NUMBER	
	DCD1 01	DCD0 7249 DC AL1(0+0+0+0+0) CTRL CODE	
	DCD2 8000	DCD1 7250 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DCD4 00	DCD2 7251 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DCD5 0015A3	DCD4 7252 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DCD5 7253 DC BL3'00000000001010110100011' 960 SCREEN MASK	
05		7255 *** END OF EXPANSION **	
		7256 * HETBL V-DC, NAME-OVERRIDE, SUBR-37, PRIME-Y, TYPE-1, 29230000	
		7257 * MASK-010101010000000011111111 29240000	
06	DCD8 80	0034 7258 OVERRIDE EQU 52 TABLE ENTRY NUMBER	
	DCD9 01	DCD8 7259 DC AL1(128+0+0+0+0) CTRL CODE	
	DCDA 0000	DCD9 7260 DC AL1(0+0+1) FORMAT TYPE BYTE	
07	DCDC OF	DCDA 7261 DC BL2'0000000000000000' MANDATORY FIELD MASK	
		DCDC 7262 DC AL1(15) SUBROUTINE TABLE DISPLACEMENT	
	DCDD 5500FF	DCDC 7263 DC BL3'010101010000000011111111' 960 SCREEN MASK	
08		7265 *** END OF EXPANSION **	
		7266 * HETBL V-DC, NAME-OVERRIDE2, TYPE-1, 29250000	
		7267 * MASK-0101011010101010100011 29260000	
09		0035 7268 OVERRID2 EQU 53 TABLE ENTRY NUMBER	
	DCE0 00	DCE0 7269 DC AL1(0+0+0+0+0) CTRL CODE	
	DCE1 01	DCE1 7270 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DCE2 0000	DCE2 7271 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DCE4 00	DCE4 7272 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
11	DCE5 56AAA3	DCE7 7273 DC BL3'0101011010101010100011' 960 SCREEN MASK	
12		7275 *** END OF EXPANSION **	
		7276 * HETBL V-DC, NAME-OVERRIDE3, TYPE-1, 29270000	
		7277 * MASK-000000001010101010011 29280000	
13		0036 7278 OVERRID3 EQU 54 TABLE ENTRY NUMBER	
	DCE8 00	DCE8 7279 DC AL1(0+0+0+0+0) CTRL CODE	
	DCE9 01	DCE9 7280 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DCEA 0000	DCEB 7281 DC BL2'0000000000000000' MANDATORY FIELD MASK	
14	DCEC 00	DCEC 7282 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DCEDE 005553	DCEF 7283 DC BL3'0000000010101010100011' 960 SCREEN MASK	
15		7285 *** END OF EXPANSION **	
		7286 * HETBL V-DC, NAME-OVERRIDE4, TYPE-1, 29290000	
		7287 * MASK-0000000000000000001001 29300000	
16		0037 7288 OVERRID4 EQU 55 TABLE ENTRY NUMBER	
	DCF0 00	DCF0 7289 DC AL1(0+0+0+0+0) CTRL CODE	
	DCF1 01	DCF1 7290 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DCF2 0000	DCF2 7291 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DCF4 00	DCF3 7292 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
18	DCF5 000009	DCF7 7293 DC BL3'0000000000000000001001' 960 SCREEN MASK	
19		7295 *** END OF EXPANSION **	
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DCF8 00
DCF9 01
DCFA 0000
DCFC 00
DCFD 000005
DD00 80
DD01 01
DD02 8000
DD04 31
DD05 5401FF
DD08 00
DD09 01
DD0A 0000
DD0C 00
DD0D 01407F
DD10 00
DD11 01
DD12 0000
DD14 00
DD15 001553
DD18 00
DD19 01
DD1A 0000
DD1C 00
DD1D 001555

F11

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23078730
23078820
23079000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		5955 */* START OF SPECIFICATIONS *****/ 23079366	
		5956 */* */ 23079369	
03		5957 */* ROUTINE NAME = HE005500 */ 23079372	
		5958 */* */ 23079375	
		5959 */* STATUS = RELEASE 8 */ 23079378	
		5960 */* */ 23079381	
04		5961 */* FUNCTION = MOVE 11TH PARAMETER TO LOCAL AREA */ 23079384	

\$HELP SYSTEM/34 HELP U
ERR LOC OBJECT CODE

15	\$AIDRLDN C 001 00F4 0801 4227
	\$AIDRLSE C 001 00FF 0836
	\$AIDRLUP C 001 00F5 0800 4211
	\$AIDSYRQ C 001 00F0 0799
16	\$AIDTEST C 001 0030 0822
	SDF C 001 0002 0260
	\$DFAT1 C 001 000C 0269 0270
17	\$DFAT2 C 001 0000 0270 0271
	\$DFAT3 C 001 000E 0271 0272
	\$DFAT4 C 001 000F 0272 0273
18	\$DFCHA C 001 0005 0264 0265
	\$DFCHB C 001 0007 0265 0266
	\$DFCMP C 001 000A 0267 0268
19	\$DFDEV C 001 0000 0261 0262
	\$DFDMA C 001 0002 0262 0263
20	\$DFLEN C 001 001A 0275

15	\$INFCISA C 001 0000 0000 0000
	\$INFDISP C 001 0000 0000 0000
	\$INFDTM C 001 0000 0000 0000
	\$INFFMT C 001 0000 0000 0000
16	\$INFUNC C 001 0000 0000 0000
	\$INFID C 001 0000 0000 0000
	\$INFIDM C 001 0000 0000 0000
17	\$INFIND C 001 0000 0000 0000
	\$INFINDM C 001 0000 0000 0000
	\$INFINDQ C 001 0000 0000 0000
	\$INFINDM C 001 0000 0000 0000
18	\$INFINE C 001 0000 0000 0000
	\$INFINE C 001 0000 0000 0000
	\$INFLOC C 001 0000 0000 0000
19	\$INFNEP C 001 0000 0000 0000
	\$INFNTM C 001 0000 0000 0000
20	\$INFNDAT C 001 0000 0000 0000

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29210000			
29220000			
29230000			
29240000			
29250000			
29260000			
29270000			
29280000			
29290000			
29300000			

\$HELP SYSTEM/34 HELP UTILITY	PAGE 189	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	7297 *	HETBL	V-DC,NAME-OVERRID5,TYPE-1,	29310000
	7298 *		MASK-000000000000000000101	29320000
03	0038 7299	OVERRID5	EQU 56 TABLE ENTRY NUMBER	
	DCF8 00	DCF8	7300 DC AL1(0+0+0+0+0) CTRL CODE	
	DCF9 01	DCF9	7301 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DCFA 0000	DCFB	7302 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DCFC 00	DCFC	7303 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DCFD 000005	DCFF	7304 DC BL3'000000000000000000101' 960 SCREEN MASK	
05	7306 ***	END OF EXPANSION **		
	7307 *	HETBL	V-DC,NAME-POST, SUBR-54, PRIME-Y, TYPE-1,	29320900
	7308 *		MASK-010101000000001111111111,MAND-1000000000	29321800
06	0039 7309	POST	EQU 57 TABLE ENTRY NUMBER	
	DD00 80	DD00	7310 DC AL1(128+0+0+0+0) CTRL CODE	
	DD01 01	DD01	7311 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DD02 8000	DD03	7312 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DD04 31	DD04	7313 DC AL1(49) SUBROUTINE TABLE DISPLACEMENT	
	DD05 5401FF	DD07	7314 DC BL3'0101010000000011111111' 960 SCREEN MASK	
08	7316 ***	END OF EXPANSION **		
	7317 *	HETBL	V-DC,NAME-POST2, TYPE-1,	29322700
	7318 *		MASK-000000010100000001111111	29323600
09	003A 7319	POST2	EQU 58 TABLE ENTRY NUMBER	
	DD08 00	DD08	7320 DC AL1(0+0+0+0+0) CTRL CODE	
	DD09 01	DD09	7321 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DD0A 0000	DD0B	7322 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DD0C 00	DD0C	7323 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DD0D 01407F	DD0F	7324 DC BL3'00000001010000001111111' 960 SCREEN MASK	
12	7326 ***	END OF EXPANSION **		
	7327 *	HETBL	V-DC,NAME-POST3, TYPE-1,	29324500
	7328 *		MASK-000000000001010101010011	29325400
13	003B 7329	POST3	EQU 59 TABLE ENTRY NUMBER	
	DD10 00	DD10	7330 DC AL1(0+0+0+0+0) CTRL CODE	
	DD11 01	DD11	7331 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DD12 0000	DD13	7332 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DD14 00	DD14	7333 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DD15 001553	DD17	7334 DC BL3'000000000001010101010011' 960 SCREEN MASK	
15	7336 ***	END OF EXPANSION **		
	7337 *	HETBL	V-DC,NAME-POST4, TYPE-1,	29326300
	7338 *		MASK-000000000001010101010101	29327200
16	003C 7339	POST4	EQU 60 TABLE ENTRY NUMBER	
	DD18 00	DD18	7340 DC AL1(0+0+0+0+0) CTRL CODE	
	DD19 01	DD19	7341 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DD1A 0000	DD1B	7342 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DD1C 00	DD1C	7343 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DD1D 001555	DD1F	7344 DC BL3'000000000001010101010101' 960 SCREEN MASK	
18	7346 ***	END OF EXPANSION **		

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23079366			
23079369			
23079372			
23079375			
23079378			
23079381			
23079384			

\$HELP SYSTEM/34 HELP UTILITY	PAGE 153	V09/11/81	12/05/81	12:00
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	5985 */*	START OF SPECIFICATIONS	*****	23080000
	5986 */*			23090000
03	5987 */*	ROUTINE NAME = HEO09000		23100000
	5988 */*			23110000
	5989 */*	STATUS = RELEASE 3		23120000
	5990 */*			23130000
04	5991 */*	FUNCTION =		23140000

01	ERR LOC OBJECT CODE	
02		
03	DD20 00	
	DD21 01	
	DD22 4000	
	DD24 00	
	DD25 015553	
05		
06	DD28 80	
	DD29 01	
	DD2A C000	
	DD2C 00	
	DD2D 50501F	
08		
09		
10	DD30 80	
	DD31 01	
	DD32 0000	
	DD34 28	
	DD35 5A00FF	
12		
13	DD38 00	
	DD39 01	
	DD3A 0000	
	DD3C 00	
	DD3D 00A03F	
15		
16	DD40 00	
	DD41 01	
	DD42 0000	
	DD44 00	
	DD45 00A81F	
18		
19		
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01	ERR LOC OBJECT CODE	
02	D613 C2 02 D71A	
03	D617 F4 01 04	
	D61A 09	
04		

15	\$LGDADD C 001 0005 0493
	\$LGDSB1 C 001 0008 0498
	\$LGDACT C 001 000A 0694 0706 0707 0721 0732
	\$LGDADDR C 001 0005 0768 0770 0771 0777
16	\$LGDCCMI C 001 0005 0688 0690
	\$LGDORAD C 001 0000 0723 0725 0726 0743
	\$LGDORLN C 001 0008 0721 0723
17	\$LGDENC1 C 001 0000 0620 0641
	\$LGDENC2 C 001 0000 0752 0755
	\$LGDENC3 C 001 0001 0641 0659
18	\$LGDENC4 C 001 0001 0755 0757
	\$LGDLEN C 001 0003 0766 0768
	\$LGDITC C 001 0009 0692 0694 6062*
19	\$LGDMMEM C 001 0002 0659 0668
	\$LGDMPAGE C 001 0002 0757 0766
20	\$LGDPRID C 001 0003 0668 0688

15	\$LGLTUB1 C 001 0000
	\$LGLTUB2 C 001 0000
	\$LGLTUB3 C 001 0000
16	\$LGLTUB4 C 001 0000
	\$LGLTILN C 001 0000
	\$LGLTIRL C 001 0000
17	\$LGLTIVL C 001 0000
	\$LGLTZLN C 001 0000
	\$LGLTZRL C 001 0000
18	\$LGLTZLN C 001 0000
	\$LGLT4LN C 001 0000
	\$LGLTADR C 001 0000
19	\$LGLILEN C 001 0000
	\$LGLZDRA C 001 0000
20	\$LGLZDRL C 001 0000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	29328100 29329000	7399 * HETBL V-DC,NAME-PRMENU,PRIME-Y,TYPE-1, 7400 * MASK-0101110100000000111111
03		0042 7401 PRMENU EQU 66 TABLE ENTRY NUMBER DD48 80 DD48 7402 DC AL1(128+0+0+0+0+0) CTRL CODE DD49 01 DD49 7403 DC AL1(0+0+1) FORMAT TYPE BYTE DD4A 0000 DD4B 7404 DC BL2'0000000000000000' MANDATORY FIELD MASK DD4C 00 DD4C 7405 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DD4D 5E803F DD4F 7406 DC BL3'0101110100000000111111' 960 SCREEN MASK
04		7408 *** END OF EXPANSION ** 7409 * HETBL V-DC,NAME-PROF,PRIME-Y,TYPE-1, 7410 * MASK-0101110100000000111111
05	29330000 29340000	0043 7411 PROF EQU 67 TABLE ENTRY NUMBER DD50 80 DD50 7412 DC AL1(128+0+0+0+0+0) CTRL CODE DD51 01 DD51 7413 DC AL1(0+0+1) FORMAT TYPE BYTE DD52 0000 DD53 7414 DC BL2'0000000000000000' MANDATORY FIELD MASK DD54 00 DD54 7415 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DD55 5D007F DD57 7416 DC BL3'0101110100000000111111' 960 SCREEN MASK
06		7418 *** END OF EXPANSION ** 7419 * HETBL V-DC,NAME-PRSAVE,PRIME-Y,TYPE-1,MAND-1100000000, 7420 * MASK-010111010100000000111111
07	29341000 29342000	0044 7421 PRSAVE EQU 68 TABLE ENTRY NUMBER DD58 80 DD58 7422 DC AL1(128+0+0+0+0+0) CTRL CODE DD59 01 DD59 7423 DC AL1(0+0+1) FORMAT TYPE BYTE DD5A C000 DD5B 7424 DC BL2'1100000000000000' MANDATORY FIELD MASK DD5C 00 DD5C 7425 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DD5D 5D403F DD5F 7426 DC BL3'0101110100000000111111' 960 SCREEN MASK
08		7428 *** END OF EXPANSION ** 7429 * HETBL V-DC,NAME-PRSRC,PRIME-Y,TYPE-1, 7430 * MASK-0101110100000000111111
09	29343000 29344000	0045 7431 PRSRC EQU 69 TABLE ENTRY NUMBER DD60 80 DD60 7432 DC AL1(128+0+0+0+0+0) CTRL CODE DD61 01 DD61 7433 DC AL1(0+0+1) FORMAT TYPE BYTE DD62 0000 DD63 7434 DC BL2'0000000000000000' MANDATORY FIELD MASK DD64 00 DD64 7435 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DD65 5E803F DD67 7436 DC BL3'0101110100000000111111' 960 SCREEN MASK
10		7438 *** END OF EXPANSION ** 7439 * HETBL V-DC,NAME-PRSRCID,PRIME-Y,TYPE-1, 7440 * MASK-0101010000000011111111
11	29345000 29346000	0046 7441 PRSRCID EQU 70 TABLE ENTRY NUMBER DD68 80 DD68 7442 DC AL1(128+0+0+0+0+0) CTRL CODE DD69 01 DD69 7443 DC AL1(0+0+1) FORMAT TYPE BYTE DD6A 0000 DD6B 7444 DC BL2'0000000000000000' MANDATORY FIELD MASK DD6C 00 DD6C 7445 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DD6D 5401FF DD6F 7446 DC BL3'0101010000000011111111' 960 SCREEN MASK
12		7448 *** END OF EXPANSION **
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	DD70 80 DD71 01 DD72 8000 DD74 00 DD75 505507	
03		
04		
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06	DD78 80 DD79 01 DD7A 8000 DD7C 11 DD7D 55503F	
07		
08		
09	DD80 80 DD81 01 DD82 C000 DD84 00 DD85 55407F	
10		
11		
12	DD88 80 DD89 01 DD8A 8000 DD8C 00 DD8D 5500FF	
13		
14		
15		
16	DD90 80 DD91 01 DD92 0000 DD94 13 DD95 5600FF	
17		
18		
19	DD98 00	
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	23430000 23450000	6071 */* START OF SPECIFICATIONS 6072 */* 6073 */* ROUTINE NAME = HE009100 6074 */* 6075 */* STATUS = RELEASE 3 6076 */* 6077 */* FUNCTION = CHECK FOR WORKSTATION PERMANENT ERROR
03		
04		

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	23480000 23690000 23700000 23710000 23720000 23730000 23740000	6071 */* START OF SPECIFICATIONS 6072 */* 6073 */* ROUTINE NAME = HE009100 6074 */* 6075 */* STATUS = RELEASE 3 6076 */* 6077 */* FUNCTION = CHECK FOR WORKSTATION PERMANENT ERROR
03		
04		

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

	\$LGLT2R C 001 0002 0727	
15	\$LGLTUB1 C 001 0002 0708	
	\$LGLTUB2 C 001 0002 0772	
	\$LGLTUB3 C 001 0002 0738	
16	\$LGLTUB4 C 001 0002 0747	
	\$LGLT1LN C 001 0000 0709	
	\$LGLT1RL C 001 0010 0728	
17	\$LGLT1VL C 001 0010 0717	
	\$LGLT2LN C 001 0008 0773	
	\$LGLT2RL C 001 0008 0784	
18	\$LGLT3LN C 001 0010 0739	
	\$LGLT4LN C 001 0018 0748	
	\$LGL1ADR C 001 0002 0716	
19	\$LGL1LEN C 001 0001 0714	
	\$LGL2DRA C 001 0002 0780	
	\$LGL2DRL C 001 0001 0778	
20		

	\$LGMSEU C 001 0004	
15	\$LGMSKIP C 001 00FO	
	\$LGMSPC1 C 001 0001	
16	\$LGMSPC2 C 001 0002	
	\$LGMSPC3 C 001 0003	
	\$LGMSPR C 001 0010	
17	\$LGMSP C 001 0001	
	\$LGMSUBC C 001 0002	
	\$LGMTERM C 001 0001	
18	\$LGMTUB C 001 0080	
	\$LGMTYP2 C 001 0000	
	\$LGMUSER C 001 000A	
19	\$LGMVARI C 001 0040	
	\$LGMVSR1 C 001 0040	
20	\$LGMVSR2 C 001 0007	

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29350000	
29360000	
29370000	
29380000	
29390000	
29400000	
29410000	
29420000	
29430000	
29440000	

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02		7450 *	HETBL V-DC,NAME-RELOAD,PRIME-Y,TYPE-1,MAND-100000000,	
		7451 *	MASK-0101101010101000001111	
03	DD70 80	DD07 7452	EQU 71 TABLE ENTRY NUMBER	
	DD71 01	DD71 7453	DC AL1(128+0+0+0+0+0) CTRL CODE	
	DD72 8000	DD73 7454	DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DD74 00	DD74 7455	DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DD75 505507	DD77 7456	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DD77 7457	DC BL3'010110101010101000001111' 960 SCREEN MASK	
05		7459 ***	END OF EXPANSION **	
		7460 *	HETBL V-DC,NAME-REMOVE, SUBR-30,PRIME-Y,TYPE-1,MAND-100000000,	
		7461 *	MASK-010101010101000000111111	
06	DD78 80	DD78 7462	EQU 72 TABLE ENTRY NUMBER	
	DD79 01	DD79 7463	DC AL1(128+0+0+0+0+0) CTRL CODE	
	DD7A 8000	DD7B 7464	DC AL1(0+0+1) FORMAT TYPE BYTE	
07	DD7C 11	DD7C 7465	DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DD7D 55503F	DD7F 7466	DC AL1(17) SUBROUTINE TABLE DISPLACEMENT	
		DD7F 7467	DC BL3'010101010101000000111111' 960 SCREEN MASK	
08		7469 ***	END OF EXPANSION **	
		7470 *	HETBL V-DC,NAME-RENAME,PRIME-Y,TYPE-1,MAND-110000000,	
		7471 *	MASK-010101010100000001111111	
09	DD80 80	DD80 7472	EQU 73 TABLE ENTRY NUMBER	
	DD81 01	DD81 7473	DC AL1(128+0+0+0+0+0) CTRL CODE	
	DD82 C000	DD83 7474	DC AL1(0+0+1) FORMAT TYPE BYTE	
	DD84 00	DD84 7475	DC BL2'1100000000000000' MANDATORY FIELD MASK	
10	DD85 55407F	DD87 7476	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DD87 7477	DC BL3'010101010100000001111111' 960 SCREEN MASK	
11		7479 ***	END OF EXPANSION **	
		7480 *	HETBL V-DC,NAME-RESPONSE,PRIME-Y,TYPE-1,MAND-100000000,	
		7481 *	MASK-010101010100000001111111	
12	DD88 80	DD88 7482	EQU 74 TABLE ENTRY NUMBER	
	DD89 01	DD89 7483	DC AL1(128+0+0+0+0+0) CTRL CODE	
	DD8A 8000	DD8B 7484	DC AL1(0+0+1) FORMAT TYPE BYTE	
13	DD8C 00	DD8B 7485	DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DD8D 5500FF	DD8C 7486	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DD8F 7487	DC BL3'010101010000000011111111' 960 SCREEN MASK	
14		7489 ***	END OF EXPANSION **	
		7490 *	HETBL V-DC,NAME-RESTORE, SUBR-39,PRIME-Y,TYPE-1,	
		7491 *	MASK-010101010000000001111111	
15	DD90 80	DD90 7492	EQU 75 TABLE ENTRY NUMBER	
	DD91 01	DD91 7493	DC AL1(128+0+0+0+0+0) CTRL CODE	
	DD92 0000	DD91 7494	DC AL1(0+0+1) FORMAT TYPE BYTE	
16	DD94 13	DD93 7495	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DD95 5600FF	DD94 7496	DC AL1(19) SUBROUTINE TABLE DISPLACEMENT	
		DD97 7497	DC BL3'010101000000000011111111' 960 SCREEN MASK	
17		7499 ***	END OF EXPANSION **	
		7500 *	HETBL V-DC,NAME-RESTORE2,TYPE-1,	
		7501 *	MASK-000000001010101000001111	
18	DD98 00	DD98 7502	EQU 76 TABLE ENTRY NUMBER	
		DD98 7503	DC AL1(0+0+0+0+0+0) CTRL CODE	
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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	DD99 01			
	DD9A 0000			
03	DD9C 00			
	DD9D 00A0F			
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GE 155 V09/11/81 12/05/81 12:00	
23680000	
23690000	
23700000	
23710000	
23720000	
23730000	

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	6114		*****	
	6115 *		*	
03	6116 *	WORK STATION DTF	*	
	6117 *		*	
	6118		*****	
			24110000	
			24120000	
			24130000	
			24140000	
			24150000	

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02				
03				

15	\$LGMSEU C 001 0004 0673
	\$LGMSKIP C 001 00F0 0759
	\$LGMSORT C 001 0005 0674
16	\$LGMSPC1 C 001 0001 0763
	\$LGMSPC2 C 001 0002 0764
	\$LGMSPC3 C 001 0003 0765
	\$LGMSTR C 001 0010 0685
17	\$LGMSSP C 001 0001 0670
	\$LGMSSUB C 001 0002 0654
	\$LGMTERM C 001 0001 0705
18	\$LGMTUB C 001 0080 0643
	\$LGMTYP2 C 001 0000 0754
	\$LGMUSER C 001 000A 0679
19	\$LGMVARI C 001 0040 0645
	\$LGMVSRT C 001 0040 0624
20	\$LGMVSU C 001 0007 0676

15	\$USERS C 001 0040 0428
	\$USETG C 001 0041 0429
	\$USSETI C 001 0045 0430
16	\$USEVE C 001 0088 0433
	\$USEV6 C 001 0081 0435
	\$USEVI C 001 0085 0434
	\$USEVK C 001 0080 0432
17	\$USEXTA C 001 0030 0331
	\$USFAIL C 001 0032 0444
	\$USFILE C 001 0019 0299
18	\$USFLAG1 C 001 0027 0317
	\$USFMBR C 001 0036 0325
	\$USFMHD C 001 0040 0389
19	\$USFMTH C 001 0036 0326
	\$USFIA C 001 0023 0312
20	\$USGET C 001 0001 0406

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30000000

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	DD99 01	DD99 7504	DC AL1(0+0+1) FORMAT TYPE BYTE
	DD9A 0000	DD9B 7505	DC BL2'0000000000000000' MANDATORY FIELD MASK
	DD9C 00	DD9C 7506	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
03	DD9D 00AA0F	DD9F 7507	DC BL3'000000001010101000001111' 960 SCREEN MASK
04		7509 ***	END OF EXPANSION **
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 193 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02			
03	DDA0 00		DDA0 00
	DDA1 01		DDA1 01
	DDA2 0000		DDA2 0000
04	DDA4 00		DDA4 00
	DDA5 00AAA9		DDA5 00AAA9
05			
06	DDA8 80		DDA8 80
	DDA9 01		DDA9 01
07	DDAA 0000		DDAA 0000
	DDAC 15		DDAC 15
08	DDAD 5401FF		DDAD 5401FF
09			
10	DDB0 00		DDB0 00
	DDB1 01		DDB1 01
	DDB2 2000		DDB2 2000
11	DDB4 00		DDB4 00
	DDB5 01550F		DDB5 01550F
12			
13	DDB8 00		DDB8 00
	DDB9 01		DDB9 01
14	DDBA 2000		DDBA 2000
	DDBC 00		DDBC 00
	DDBD 015547		DDBD 015547
15			
16	DDC0 80		DDC0 80
	DDC1 01		DDC1 01
17	DDC2 A000		DDC2 A000
	DDC4 00		DDC4 00
18	DDC5 55541F		DDC5 55541F
19			
20			

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** 24110000
* 24120000
* 24130000
* 24140000
** 24150000

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		6164	*****
		6165 *	*****
		6166 *	TYPE-1 SYSLOG PARAMETER LIST
03		6167 *	*****
		6168	*****
			24200000
			24210000
			24220000
			24230000
			24240000

\$HELP SYSTEM/34 HELP UTILITY		PAGE 157 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02			
03			

15	\$WSEKAS C 001 0000 0845	0429 0430
	\$WSEKAS C 001 0040 0428	
	\$WSETG C 001 0041 0429	
	\$WSETI C 001 0045 0430	
16	\$WSEVE C 001 0088 0433	
	\$WSEVG C 001 0081 0435	
	\$WSEVI C 001 0085 0434	
	\$WSEVK C 001 0080 0432	
17	\$WSEXTA C 001 0030 0331	0332
	\$WSFAIL C 001 0032 0444	
	\$WSFILE C 001 0019 0299	0302
18	\$WSFLAG1 C 001 0027 0317	
	\$WSFMBR C 001 0036 0325	0326
	\$WSFMHO C 001 0040 0389	
19	\$WSFMTN C 001 0036 0326	0327 4128* 4671* 4707*
	\$WSF1A C 001 0023 0312	
20	\$WSGET C 001 0001 0406	0408 0410 0422 0426 0429

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15	\$WSPNW C 001 0006 0411	0423
	\$WSPOGE C 001 0045 0368	
	\$WSPRINT C 001 0080 0472	
	\$WSPRIT C 001 0008 0393	
16	\$WSPRUF C 001 0001 0399	
	\$WSPTG C 001 0003 0408	
	\$WSPTH C 001 0020 0391	
	\$WSPTI C 001 0007 0412	
17	\$WSPUT C 001 0002 0407	0408 0411
	\$WSRACC C 001 0001 0355	
	\$WSRACR C 001 0011 0358	
18	\$WSRAFV C 001 0038 0365	
	\$WSRAFS C 001 0032 0363	
	\$WSRAFW C 001 0018 0360	
19	\$WSRAQO C 001 0008 0357	
	\$WSRBLCR C 001 0020 0850	
20	\$WSRBLDS C 001 0080 0848	

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01	\$HELP SYSTEM/34 HELP UTILITY		PAGE 194	V09/11/81	12/05/81	12:00
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02		7511 * HETBL V-DC,NAME-RESTORE3,TYPE-1,				29550000
		7512 * MASK-0000000010101010101001				29560000
03	DDAO 00	DDAO 7513 RESTORE3 EQU 77	TABLE ENTRY NUMBER			
	DDA1 01	DDA1 7514 DC AL1(0+0+0+0+0) CTRL CODE				
	DDA2 0000	DDA2 7515 DC AL1(0+0+1) FDC'AT TYPE BYTE				
04	DDA3 0000	DDA3 7516 DC BL2'0000000000000000' MANDATORY FIELD MASK				
	DDA4 00	DDA4 7517 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT				
	DDA5 00AAA9	DDA5 7518 DC BL3'0000000010101010101001' 960 SCREEN MASK				
05		7520 *** END OF EXPANSION **				
		7521 * HETBL V-DC,NAME-SAVE, SUBR-40,PRIME-Y,TYPE-1,				29570000
		7522 * MASK-0101010000000011111111				29580000
06	DDA8 80	DDA8 7523 SAVE EQU 78	TABLE ENTRY NUMBER			
	DDA9 01	DDA9 7524 DC AL1(128+0+0+0+0) CTRL CODE				
	DDAA 0000	DDAA 7525 DC AL1(0+0+1) FORMAT TYPE BYTE				
07	DDAC 15	DDAC 7526 DC BL2'0000000000000000' MANDATORY FIELD MASK				
	DDAD 5401FF	DDAD 7527 DC AL1(21) SUBROUTINE TABLE DISPLACEMENT				
		DDAD 7528 DC BL3'0101010000000011111111' 960 SCREEN MASK				
08		7530 *** END OF EXPANSION **				
		7531 * HETBL V-DC,NAME-SAVE2,TYPE-1,MAND-0010000000,				29590000
		7532 * MASK-000000010101010100001111				29600000
09	DDB0 00	DDB0 7533 SAVE2 EQU 79	TABLE ENTRY NUMBER			
	DDB1 01	DDB1 7534 DC AL1(0+0+0+0+0) CTRL CODE				
	DDB2 2000	DDB2 7535 DC AL1(0+0+1) FORMAT TYPE BYTE				
	DDB3 00	DDB3 7536 DC BL2'0010000000000000' MANDATORY FIELD MASK				
10	DDB4 00	DDB4 7537 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT				
	DDB5 01550F	DDB5 7538 DC BL3'000000010101010100001111' 960 SCREEN MASK				
11		7540 *** END OF EXPANSION **				
		7541 * HETBL V-DC,NAME-SAVE3,TYPE-1,MAND-0010000000,				29610000
		7542 * MASK-000000010101010100001111				29620000
12	DDB8 00	DDB8 7543 SAVE3 EQU 80	TABLE ENTRY NUMBER			
	DDB9 01	DDB9 7544 DC AL1(0+0+0+0+0) CTRL CODE				
	DDBA 2000	DDBA 7545 DC AL1(0+0+1) FORMAT TYPE BYTE				
13	DDBC 00	DDBC 7546 DC BL2'0010000000000000' MANDATORY FIELD MASK				
	DDBD 015547	DDBC 7547 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT				
		DDBD 7548 DC BL3'00000001010101010100001111' 960 SCREEN MASK				
14		7550 *** END OF EXPANSION **				
		7551 * HETBL V-DC,NAME-SAVELIBR,PRIME-Y,TYPE-1,MAND-1010000000,				29623000
		7552 * MASK-010101010101010000011111				29626000
15	DDC0 80	DDC0 7553 SAVELIBR EQU 81	TABLE ENTRY NUMBER			
	DDC1 01	DDC1 7554 DC AL1(128+0+0+0+0) CTRL CODE				
	DDC2 A000	DDC2 7555 DC AL1(0+0+1) FORMAT TYPE BYTE				
16	DDC3 00	DDC3 7556 DC BL2'1010000000000000' MANDATORY FIELD MASK				
	DDC4 00	DDC4 7557 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT				
	DDC5 55541F	DDC5 7558 DC BL3'010101010101010000011111' 960 SCREEN MASK				
17		7560 *** END OF EXPANSION **				
18						
19						
20						

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01	\$HELP SYSTEM/34 HELP UTILITY		PAGE 158	V09/11/81	12/05/81	12:00
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	24200000	6192 *****				24290000
	24210000	6193 *				24300000
	24220000	6194 * TYPE-4 SYSLOG PARAMETER LIST				24310000
03	24230000	6195 *				24320000
	24240000	6196 *****				24330000

01	\$HELP SYSTEM/34 HELP UTILITY					
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02		7562 *				
		7563 *				
		0052 7564 SET				
03	DDC8 80	DDC8 7565				
	DDC9 01	DDC9 7566				
	DDCA 0000	DDCB 7567				
04	DDCC 00	DDCC 7568				
	DDCD 555553	DDCF 7569				
05		7571 *** E				
		7572 *				
		7573 *				
06	DDDD 80	DDDD 7574 SETFI				
	DDDD 01	DDDD 7575				
07	DDD1 01	DDD1 7576				
	DDD2 A000	DDD3 7577				
	DDD4 00	DDD4 7578				
	DDD5 55407F	DDD7 7579				
08		7581 *** E				
		7582 *				
		7583 *				
09		0054 7584 SPECIF				
	DDDD 80	DDDD 7585				
	DDDD 01	DDDD 7586				
10	DDDA 0000	DDDB 7587				
	DDDC 1D	DDDC 7588				
11	DDDD 55503F	DDDF 7589				
12		7591 *** E				
		7592 *				
		7593 *				
		0055 7594 SPECIF				
13	DDE0 00	DDE0 7595				
	DDE1 01	DDE1 7596				
	DDE2 0000	DDE3 7597				
14	DDE4 00	DDE4 7598				
	DDE5 00041F	DDE7 7599				
15		7601 *** E				
		7602 *				
		7603 *				
16	DDE8 80	DDE8 7605				
	DDE9 01	DDE9 7606				
17	DDEA 0000	DDEB 7607				
	DDEC 00	DDEC 7608				
	DDED 5500FF	DDEF 7609				
18		7611 *** E				
19						
20						

01	\$HELP SYSTEM/34 HELP UTILITY					
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	6226 *****					
	6227 *					
	6228 *					
03	6229 *					
	6230 *****					

15	\$WSPNW	C 001	0006	0411	0423					
	\$WSPRGE	C 001	0045	0368						
	\$WSPRINT	C 001	0080	0472						
	\$WSPRT	C 001	0008	0393						
	\$WSPRUF	C 001	0001	0399						
16	\$WSPRG	C 001	0003	0408						
	\$WSPRTH	C 001	0020	0391						
	\$WSPRTI	C 001	0007	0412						
	\$WSPRUT	C 001	0002	0407	0408	0411	0412	0421	0422	0424
17	\$WSPRACC	C 001	0001	0355						
	\$WSPRACR	C 001	0011	0358						
18	\$WSPRAF	C 001	0038	0365						
	\$WSPRAFS	C 001	0032	0363						
	\$WSPRAFW	C 001	0018	0360						
19	\$WSPRAQO	C 001	0008	0357						
	\$WSPRBLCR	C 001	0020	0850						
	\$WSPRBLDS	C 001	0080	0848						
20										

15	\$WSRTG	C 001	0021	0428						
	\$WSRTI	C 001	0025	0427						
	\$WSRUP	C 001	0080	0458						
	\$WSRVING	C 001	0001	0861						
	\$WSACQ	C 001	0099	0415						
16	\$WSSAVE	C 001	0004	0396						
	\$WSSLN	C 001	002A	0321						
	\$WSSPG	C 001	0013	0422						
17	\$WSSPI	C 001	0017	0424						
	\$WSSPN	C 001	0016	0423						
	\$WSSSTI	C 001	0010	0420						
18	\$WSSSTM	C 001	0008	0451						
	\$WSSSTM5G	C 001	0001	0855						
	\$WSSSTP	C 001	0012	0421						
19	\$WSSSYS	C 001	0080	0387						
	\$WSSSTABL	C 001	003F	0332						
20	\$WSSSTENL	C 001	0040	0333						

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29550000	
29560000	
29570000	
29580000	
29590000	
29600000	
29610000	
29620000	
29623000	
29626000	
24290000	
24300000	
24310000	
24320000	
24330000	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		7562 * HETBL V-DC,NAME-SET,PRIME-Y,TYPE-1, 29630000	
		7563 * MASK-01010101010101010101010101010101 29640000	
03	DDC8 80	DDC8 7565 DC AL1(128+0+0+0+0+0) CTRL CODE	
	DDC9 01	DDC9 7566 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DDCA 0000	DDCB 7567 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DDCC 00	DDCC 7568 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DDCD 555553	DDCF 7569 DC BL3'0101010101010101010101011' 960 SCREEN MASK	
05		7571 *** END OF EXPANSION **	
		7572 * HETBL V-DC,NAME-SETFILE,PRIME-Y,TYPE-1,MAND-1010000000, 29643000	
		7573 * MASK-010101010100000011111111 29646000	
06	DDDO 80	DDDO 7574 SETFILE EQU 83 TABLE ENTRY NUMBER	
	DDDO 01	DDDO 7575 DC AL1(128+0+0+0+0+0) CTRL CODE	
07	DDD1 01	DDD1 7576 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DDD2 A000	DDD3 7577 DC BL2'1010000000000000' MANDATORY FIELD MASK	
	DDD4 00	DDD4 7578 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DDD5 55407F	DDD7 7579 DC BL3'010101010100000011111111' 960 SCREEN MASK	
08		7581 *** END OF EXPANSION **	
		7582 * HETBL V-DC,NAME-SPECIFY,SUBR-44,PRIME-Y,TYPE-1, 29650000	
		7583 * MASK-01010101010100000011111111 29660000	
09	DDDB 80	DDDB 7584 SPECIFY EQU 84 TABLE ENTRY NUMBER	
	DDDB 01	DDDB 7585 DC AL1(128+0+0+0+0+0) CTRL CODE	
	DDDB 01	DDDB 7586 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DDDA 0000	DDDB 7587 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DDDC 1D	DDDC 7588 DC AL1(29) SUBROUTINE TABLE DISPLACEMENT	
	DDDD 55503F	DDDF 7589 DC BL3'01010101010100000011111111' 960 SCREEN MASK	
10		7591 *** END OF EXPANSION **	
		7592 * HETBL V-DC,NAME-SPECIFY2,TYPE-1, 29670000	
		7593 * MASK-000000000000100000111111 29680000	
11	DDE0 00	DDE0 7594 SPECIFY2 EQU 85 TABLE ENTRY NUMBER	
	DDE1 01	DDE1 7595 DC AL1(0+0+0+0+0+0) CTRL CODE	
	DDE2 0000	DDE3 7597 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DDE4 00	DDE4 7598 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DDE5 00041F	DDE7 7599 DC BL3'00000000000010000011111111' 960 SCREEN MASK	
12		7601 *** END OF EXPANSION **	
		7602 * HETBL V-DC,NAME-SYSLIST,PRIME-Y,TYPE-1, 29690000	
		7603 * MASK-01010101010000000011111111 29700000	
13	DDE8 80	DDE8 7604 SYSLIST EQU 86 TABLE ENTRY NUMBER	
	DDE9 01	DDE9 7605 DC AL1(128+0+0+0+0+0) CTRL CODE	
	DDEA 0000	DDE9 7606 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DDEC 00	DDEB 7607 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DDED 5500FF	DDEC 7608 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DDEF 7609 DC BL3'010101010000000111111111' 960 SCREEN MASK	
14		7611 *** END OF EXPANSION **	
15			
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24290000	
24300000	
24310000	
24320000	
24330000	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6226 *****	24400000
		6227 * *	24410000
		6228 * COMMAND PROCESSOR PARAMETER LIST *	24420000
03		6229 * *	24430000
		6230 *****	24440000

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	ADDR

15	\$WSRTI C 001 0021 0426				
	\$WSRUP C 001 0080 0458				
	\$WSRVMS C 001 0001 0861				
	\$WSACQ C 001 0099 0415				
16	\$WSSAVE C 001 0004 0396 4634				
	\$WSSLN C 001 002A 0321 0322				
	\$WSSPG C 001 0013 0422				
	\$WSSPI C 001 0017 0424				
	\$WSSPN C 001 0016 0423				
	\$WSSTI C 001 0010 0420 0421 0422 0423 0424				
17	\$WSSTM C 001 0008 0451				
	\$WSSMSG C 001 0001 0855				
	\$WSSSTP C 001 0012 0421				
18	\$WSSYS C 001 0080 0387				
	\$WSTABL C 001 003F 0332 0333				
	\$WSTENL C 001 0040 0333 0334				
19					
20					

15	ALTERSOL C 001 0006 6788				
	APAR C 001 0087 8595				
	APPLYPTF C 001 0088 8605				
	APPLYPT2 C 001 0089 8615				
16	ARR C 001 0008 0920				
	ASSIGN C 001 0063 7737				
	ASTERISK C 001 00A1 8369				
17	ATTR C 001 007C 7992				
	BACKUP C 001 0008 6808				
	BATCOUNT C 001 0005 2675				
18	BIT0 C 001 0080 0950				
	BIT1 C 001 0040 0951				
	BIT2 C 001 0020 0952				
19	BIT3 C 001 0010 0953				
	BIT4 C 001 0008 0954				
	BIT5 C 001 0004 0955				
20					

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29630000	
29640000	
29643000	
29646000	
29650000	
29660000	
29670000	
29680000	
29690000	
29700000	
29710000	
29720000	
29730000	
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29800000	
29810000	
29820000	
29830000	
29840000	
29850000	
29860000	
29870000	
29880000	
29890000	
29900000	
29910000	
29920000	
29930000	
29940000	
29950000	
29960000	
29970000	
29980000	
29990000	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		7613 * HETBL V-DC,NAME-TOLIBR, SUBR-47, PRIME-Y, TYPE-1, MAND-1000000000, 29710000	
		7614 * MASK-01010101010101000001111 29720000	
03	DDFO 80	0057 7615 TOLIBR EQU 87 TABLE ENTRY NUMBER	
	DDF1 01	DDFO 7616 DC AL1(128*0+0+0+0+0) CTRL CODE	
	DDF2 8000	DDF1 7617 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DDF4 23	DDF2 7618 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DDF5 555A0F	DDF4 7619 DC AL1(35) SUBROUTINE TABLE DISPLACEMENT	
		DDF7 7620 DC BL3'01010101010101000001111' 960 SCREEN MASK	
05		7622 *** END OF EXPANSION **	
		7623 * HETBL V-DC,NAME-TOLIBR2, TYPE-1, 29730000	
		7624 * MASK-0000000000000000010100011 29740000	
06	DDF8 00	0058 7625 TOLIBR2 EQU 88 TABLE ENTRY NUMBER	
	DDF9 01	DDF8 7626 DC AL1(0+0+0+0+0+0) CTRL CODE	
	DDFA 0000	DDF9 7627 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DDFC 00	DDFB 7628 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DDFD 0000A3	DDFC 7629 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DDFF 7630 DC BL3'00000000000000010100011' 960 SCREEN MASK	
07		7632 *** END OF EXPANSION **	
		7633 * HETBL V-DC,NAME-TRANSFER, SUBR-41, PRIME-Y, TYPE-1, 29750000	
		7634 * MASK-01010101000000011111111, MAND-1000000000 29760000	
08		0059 7635 TRANSFER EQU 89 TABLE ENTRY NUMBER	
	DE00 80	DE00 7636 DC AL1(128*0+0+0+0+0) CTRL CODE	
	DE01 01	DE01 7637 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DE02 8000	DE03 7638 DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DE04 17	DE04 7639 DC AL1(23) SUBROUTINE TABLE DISPLACEMENT	
	DE05 5500FF	DE07 7640 DC BL3'01010101000000011111111' 960 SCREEN MASK	
09		7642 *** END OF EXPANSION **	
		7643 * HETBL V-DC,NAME-TRANSFER2, TYPE-1, 29770000	
		7644 * MASK-00000000010100000111111 29780000	
10	DE08 00	005A 7645 TRANSFR2 EQU 90 TABLE ENTRY NUMBER	
	DE09 01	DE08 7646 DC AL1(0+0+0+0+0+0) CTRL CODE	
	DE0A 0000	DE09 7647 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DE0C 00	DE0B 7648 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DE0D 00503F	DE0C 7649 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DE0F 7650 DC BL3'00000000010100000111111' 960 SCREEN MASK	
11		7652 *** END OF EXPANSION **	
		7653 * HETBL V-DC,NAME-TRANSFER3, TYPE-1, 29790000	
		7654 * MASK-000000000000010101010101 29800000	
12	DE10 00	005B 7655 TRANSFR3 EQU 91 TABLE ENTRY NUMBER	
	DE11 01	DE10 7656 DC AL1(0+0+0+0+0+0) CTRL CODE	
	DE12 0000	DE11 7657 DC AL1(0+0+1) FORMAT TYPE BYTE	
	DE14 00	DE13 7658 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DE15 000555	DE14 7659 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DE17 7660 DC BL3'0000000000010101010101' 960 SCREEN MASK	
13		7662 *** END OF EXPANSION **	
14			
15			
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6248 ***** 24480000	
		6249 * * 24490000	
03		6250 * IOB PARAMETER LIST * 24500000	
		6251 * * 24510000	
		6252 ***** 24520000	

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24400000	
24410000	
24420000	
24430000	
24440000	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6248 ***** 24480000	
		6249 * * 24490000	
03		6250 * IOB PARAMETER LIST * 24500000	
		6251 * * 24510000	
		6252 ***** 24520000	

\$HELP SYSTEM/34 HELP UTILITY		PAGE 160 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6248 ***** 24480000	
		6249 * * 24490000	
03		6250 * IOB PARAMETER LIST * 24500000	
		6251 * * 24510000	
		6252 ***** 24520000	

ALTERBSC C 001 0006 6788
15 ALTERSD C 001 0007 6798
APAR C 001 0008 8595
APPLYPTF C 001 0008 8605
APPLYPT2 C 001 0009 8615
16 ARR C 001 0008 0920 3702 4007 4061 4107 4301 4374 4591 4753 4895 5976 6092
ASSIGN C 001 0063 7737
ASTERISK C 001 00A1 8369 6486
17 ATTR C 001 007C 7992
BACKUP C 001 0008 6808
BATCOUNT C 001 0005 2675
18 BIT0 C 001 0080 0950
BIT1 C 001 0040 0951
BIT2 C 001 0020 0952
19 BIT3 C 001 0010 0953
BIT4 C 001 0008 0954
BIT5 C 001 0004 0955
20

CMDFUNC C 001 000A 0000
15 CMDFINLEN C 001 0004 0000
CMDFINPB C 001 0003 0000
CMDFWAIT C 001 0040 0000
16 CMDFPROC C 001 0020 0000
CMDFSECO C 001 0080 0000
CMDFOUTA C 001 0006 0000
17 CMDFOUTLEN C 001 0007 0000
CMDFRETCD C 001 0009 0000
CMFSUBA C 001 0006 0000
18 COMM C 001 0070 8000
COMPILE C 001 007E 8000
COMPRESS C 001 0012 6900
19 COND C 001 00C8 8700
CONDENSE C 001 0013 6900
COND1 C 001 00C9 8700
20

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0000000, 29710000
29720000
29730000
29740000
29750000
29760000
29770000
29780000
29790000
29800000
24480000
24490000
24500000
24510000
24520000

\$HELP SYSTEM/34 HELP UTILITY	PAGE 197 V09/11/81 12/05/81 12:00
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02 7664 * HETBL V-DC, NAME=TRANSFR4, TYPE-1, 29810000	
7665 * MASK=000000000000010101010101 29820000	
005C 7666 TRANSFR4 EQU 92 TABLE ENTRY NUMBER	
03 DE18 00 DE18 7667 DC AL1(0+0+0+0+0) CTRL CODE	
DE19 01 DE19 7668 DC AL1(0+0+1) FORMAT TYPE BYTE	
DE1A 0000 DE1B 7669 DC BL2'0000000000000000' MANDATORY FIELD MASK	
04 DE1C 00 DE1C 7670 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DE1D 005555 DE1F 7671 DC BL3'0000000000010101010101' 960 SCREEN MASK	
05 7673 *** END OF EXPANSION **	
7674 * HETBL V-DC, NAME=TRANSFR5, TYPE-1, MAND=0100000000, 29830000	
7675 * MASK=000000000101010101010101 29840000	
005D 7676 TRANSFR5 EQU 93 TABLE ENTRY NUMBER	
06 DE20 00 DE20 7677 DC AL1(0+0+0+0+0) CTRL CODE	
DE21 01 DE21 7678 DC AL1(0+0+1) FORMAT TYPE BYTE	
07 DE22 4000 DE23 7679 DC BL2'0100000000000000' MANDATORY FIELD MASK	
DE24 00 DE24 7680 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DE25 005555 DE27 7681 DC BL3'0000000001010101010101' 960 SCREEN MASK	
08 7683 *** END OF EXPANSION **	
7684 * HETBL V-DC, NAME=TRANSFR6, TYPE-1, 29841000	
7685 * MASK=000000000101010101010101 29842000	
005E 7686 TRANSFR6 EQU 94 TABLE ENTRY NUMBER	
09 DE28 00 DE28 7687 DC AL1(0+0+0+0+0) CTRL CODE	
DE29 01 DE29 7688 DC AL1(0+0+1) FORMAT TYPE BYTE	
10 DE2A 0000 DE2B 7689 DC BL2'0000000000000000' MANDATORY FIELD MASK	
DE2C 00 DE2C 7690 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DE2D 005555 DE2F 7691 DC BL3'0000000001010101010101' 960 SCREEN MASK	
11 7693 *** END OF EXPANSION **	
7694 * HETBL V-DC, NAME=XREST, PRIME-Y, TYPE-1, 29843000	
7695 * MASK=010101010101000000111111 29844000	
005F 7696 XREST EQU 95 TABLE ENTRY NUMBER	
12 DE30 80 DE30 7697 DC AL1(128+0+0+0+0) CTRL CODE	
DE31 01 DE31 7698 DC AL1(0+0+1) FORMAT TYPE BYTE	
DE32 0000 DE33 7699 DC BL2'0000000000000000' MANDATORY FIELD MASK	
13 DE34 00 DE34 7700 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DE35 55503F DE37 7701 DC BL3'010101010101000000111111' 960 SCREEN MASK	
14 7703 *** END OF EXPANSION **	
7704 * HETBL V-DC, NAME=XSAVE, PRIME-Y, TYPE-1, MAND=0100000000, 29845000	
7705 * MASK=010101010101000000111111 29846000	
0060 7706 XSAVE EQU 96 TABLE ENTRY NUMBER	
15 DE38 80 DE38 7707 DC AL1(128+0+0+0+0) CTRL CODE	
DE39 01 DE39 7708 DC AL1(0+0+1) FORMAT TYPE BYTE	
16 DE3A 4000 DE3B 7709 DC BL2'0100000000000000' MANDATORY FIELD MASK	
DE3C 00 DE3C 7710 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
DE3D 55541F DE3F 7711 DC BL3'010101010101000000111111' 960 SCREEN MASK	
17 7713 *** END OF EXPANSION **	
18	
19	
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***** 24480000
* 24490000
* 24500000
* 24510000
***** 24520000

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ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02 6277 ***** 24560000	
6278 * * 24570000	
6279 * MESSAGE RETRIEVE PARAMETER LIST * 24580000	
03 6280 * * 24590000	
6281 ***** 24600000	

CMDFUNC C 001 000A 0000
15 CMDFINLEN C 001 0004 0000
CMDFINPB C 001 0003 0000
CMDFWAIT C 001 0040 0000
16 CMDFPROC C 001 0020 0000
CMDFSECO C 001 0080 0000
CMDFOUTA C 001 0006 0000
17 CMDFOUTLEN C 001 0007 0000
CMDFRETCD C 001 0009 0000
CMFSUBA C 001 0006 0000
18 COMM C 001 0070 8000
COMPILE C 001 007E 8000
COMPRESS C 001 0012 6900
19 COND C 001 00C8 8700
CONDENSE C 001 0013 6900
COND1 C 001 00C9 8700
20

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	
02	
03 DE40 80	
DE41 82	
DE42 0000	
DE44 00	
DE45 555553	
05	
06 DE48 80	
DE49 82	
DE4A 0000	
DE4C 00	
DE4D 555553	
08	
09 DE50 A0	
DE51 02	
DE52 0000	
DE54 00	
DE55 5FE007	
12	
13 DE58 E0	
DE59 02	
DE5A 0000	
DE5C 00	
DE5D 5FF801	
15	
16 DE60 E0	
DE61 02	
DE62 0000	
DE64 00	
DE65 5FFC00	
18	
19	
20	

\$HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	
02	
03	

15	CMDFUNC C 001 000A 0224 0232 0251
	CMOIC5 C 001 0010 0228
	CMOINLEN C 001 0004 0219 0220
	CMOINPa C 001 0003 0218 0219
16	CMONMATT C 001 0040 0226
	CMOPROC C 001 0020 0227
	CMOSECO C 001 0080 0233
	CMOUTA C 001 0006 0220 0221 0222
17	CMOUTLEN C 001 0007 0222 0223
	CMRETCO C 001 0009 0223 0224 0250 4809 4814
	CMSUBa C 001 0006 0221
18	COMM C 001 0070 8002
	COMPILE C 001 007E 8012
	COMPRESS C 001 0012 6910
19	COND C 001 00C8 8769
	CONDENSE C 001 0013 6920
20	CONDI C 001 00C9 8779

15	ES3270 C 001 00AF
	EVOKE C 001 0080
	FALSE C 001 0090
	FILE C 001 0081
	FILE2 C 001 0082
16	FIVE C 001 0005
	FMT#DS C 001 000C
	FMT#FS C 001 000B
17	FMTFOL C 001 0003
	FMTINL C 001 0006
	FMTKANJI C 001 0040
18	FMTLEN C 001 0010
19	FMTLST C 001 0080
	FMTNME C 001 0007
20	FMTRSV C 001 000F

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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
	29810000		7715 *	HETBL V-DC, NAME=HECDLST, PRIME-Y, TYPE-2, PRIV-Y,	29850000
	29820000		7716 *	MASK-010101010101010101010101	29860000
		0061	7717	HECDLST EQU 97 TABLE ENTRY NUMBER	
03	DE40 80	DE40	7718	DC AL1(128+0+0+0+0) CTRL CODE	
		DE41	7719	DC AL1(128+0+2) FORMAT TYPE BYTE	
		DE42	0000	DC BL2'0000000000000000' MANDATORY FIELD MASK	
04	DE44 00	DE44	7721	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DE45	555553	DC BL3'0101010101010101010101' 960 SCREEN MASK	
			7724 ***	END OF EXPANSION **	
	29830000		7725 *	HETBL V-DC, NAME=HECDLS2, PRIME-Y, PRIV-Y, TYPE-2,	29870000
	29840000		7726 *	MASK-0101010101010101010101	29880000
		0062	7727	HECDLS2 EQU 98 TABLE ENTRY NUMBER	
06	DE48 80	DE48	7728	DC AL1(128+0+0+0+0) CTRL CODE	
		DE49	82	DC AL1(128+0+2) FORMAT TYPE BYTE	
		DE4A	0000	DC BL2'0000000000000000' MANDATORY FIELD MASK	
07	DE4C 00	DE4C	7731	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DE4D	555553	DC BL3'0101010101010101010101' 960 SCREEN MASK	
			7734 ***	END OF EXPANSION **	
	29841000		7735 *	HETBL V-DC, NAME=ASSIGN, PRIME-Y, TYPE-2, NEXEC-Y,	29890000
	29842000		7736 *	MASK-010111111111000000000111	29900000
		0063	7737	ASSIGN EQU 99 TABLE ENTRY NUMBER	
10	DE50 A0	DE50	7738	DC AL1(128+0+32+0+0+0) CTRL CODE	
		DE51	02	DC AL1(0+0+2) FORMAT TYPE BYTE	
		DE52	0000	DC BL2'0000000000000000' MANDATORY FIELD MASK	
		DE54	00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
11	DE55 5FE007	DE57	7742	DC BL3'010111111111000000000111' 960 SCREEN MASK	
			7744 ***	END OF EXPANSION **	
	29843000		7745 *	HETBL V-DC, NAME=CANCEL, PRIME-Y, TYPE-2, NEXEC-Y, SPLIT-Y,	29910000
	29844000		7746 *	MASK-0101111111110000000001	29920000
		0064	7747	CANCEL EQU 100 TABLE ENTRY NUMBER	
13	DE58 E0	DE58	7748	DC AL1(128+64+32+0+0+0) CTRL CODE	
		DE59	02	DC AL1(0+0+2) FORMAT TYPE BYTE	
		DE5A	0000	DC BL2'0000000000000000' MANDATORY FIELD MASK	
14	DE5C 00	DE5C	7751	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DE5D	5FF801	DC BL3'0101111111110000000001' 960 SCREEN MASK	
			7754 ***	END OF EXPANSION **	
	29845000		7755 *	HETBL V-DC, NAME=CHANGE, PRIME-Y, TYPE-2, NEXEC-Y, SPLIT-Y,	29930000
	29846000		7756 *	MASK-0101111111110000000000	29940000
		0065	7757	CHANGE EQU 101 TABLE ENTRY NUMBER	
16	DE60 E0	DE60	7758	DC AL1(128+64+32+0+0+0) CTRL CODE	
		DE61	02	DC AL1(0+0+2) FORMAT TYPE BYTE	
		DE62	0000	DC BL2'0000000000000000' MANDATORY FIELD MASK	
17	DE64 00	DE64	7761	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DE65	5FFC00	DC BL3'0101111111110000000000' 960 SCREEN MASK	
			7764 ***	END OF EXPANSION **	

01	ERR LOC OBJECT CODE
02	
03	DE68 A0
	DE69 02
	DE6A 0000
04	DE6C 00
	DE6D 5E007F
05	
06	DE70 A0
	DE71 02
07	DE72 0000
	DE74 00
08	DE75 5801FF
09	
10	DE78 A0
	DE79 02
	DE7A 0000
11	DE7C 00
	DE7D 5F003F
12	
13	DE80 A0
	DE81 02
	DE82 0000
14	DE84 00
	DE85 5401FF
15	
16	DE88 A0
	DE89 02
17	DE8A 0000
	DE8C 00
	DE8D 4CF01F
18	
19	
20	

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01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
	24560000		6318	*****	24640000
	*		6319 *	*	24650000
	*		6320 *	CONSTANTS AND EQUATES	24660000
03	*		6321 *	*	24670000
	24600000		6322	*****	24680000

01	ERR LOC OBJECT CODE
02	D781 00
03	

14	HECMO C 001 0002 1020	4775* 4784* 4908* 4927*
	HECMDLST C 001 0061 7717	6437
15	HECMDLS2 C 001 0062 7727	
	HECMPPMSK C 001 0007 1030	1031 3899 3899* 3907 3981* 6051 6144
	HECONMA C 001 0068 6389	4769 5666
16	HECONE A 001 07A7 6384	3834 3951 3967 3976 4036 4070 4346 4529 4538 4784 4790 4869
		4872 4927 4933
	HECONTRL C 001 0000 0998	1007 3762 3806 3812 4113 4134 4217 4235 4247 4265
17	HECPIN E 001 0004 0208	4797
	HECPPARM A 001 06EC 6236	4793
	HECTBLEN A 002 076C 6362	3720 3731 3837 4514
18	HECXFOX C 001 00FF 6391	3847 4378 4435 4484 4516 4531 4819 5657 5726 5790
	HECX09 A 002 07A9 6385	4495
	HECZERO A 002 07A6 6383	4809
19	HEDELETE A 008 0844 6561	4983
	HEDFUSP C 001 0000 1039	1040
20	HEFLDCTR A 001 0740 6337	4897* 4933*

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14	HEMSTRIN A 002 074E 6597	4027
	HEMAXTBL A 001 082E 6530	5783
15	HEMC1991 A 002 0788 6396	4207
	HEMC2000 C 001 2000 6398	3491
	HEMC2001 C 001 2001 6399	3754
16	HEMC2002 C 001 2002 6400	4031
	HEMC2003 C 001 2003 6401	3482
	HEMC2004 C 001 2004 6402	4447
	HEMC2005 C 001 2005 6403	4164
17	HEMC2009 C 001 2009 6404	3626
	HEMECTRA A 001 073F 6336	4483
18	HEMENOJ1 C 001 0000 6726	4863
	HEMICTBL A 001 0A63 6692	4812
	HEMINDMSK C 001 0003 1028	1029
	HEMRTJBL A 001 0A10 6644	5655
19	HEMTRCD C 001 1990 6395	5692
	HEMSGPRM A 001 0714 6284	6009*
20	HEMNCVT A 001 07E2 6458	5719

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	29944000 29946000	7817 * HETBL V-DC,NAME-MENU,PRIME-Y,TYPE-2,NEXEC-Y, 7818 * MASK-0101111000000000111111	30030000 30040000			
03	DE90 A0 DE91 02 DE92 0000 DE94 00 DE95 5E007F	006B 7819 MENU EQU 107 TABLE ENTRY NUMBER DE90 7820 DC AL1(128+0*32+0+0+0) CTRL CODE DE91 7821 DC AL1(0+0+2) FORMAT TYPE BYTE DE92 7822 DC BL2'0000000000000000' MANDATORY FIELD MASK DE94 7823 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DE95 5E007F DE97 7824 DC BL3'0101111000000000111111' 960 SCREEN MASK				
05	29950000 29960000	7826 *** END OF EXPANSION ** 7827 * HETBL V-DC,NAME-MODE,PRIME-Y,TYPE-2,NEXEC-Y, 7828 * MASK-0101110000000000111111	30050000 30060000			
06	DE98 A0 DE99 02 DE9A 0000 DE9C 00 DE9D 5C00FF	006C 7829 MODE EQU 108 TABLE ENTRY NUMBER DE98 7830 DC AL1(128+0*32+0+0+0) CTRL CODE DE99 7831 DC AL1(0+0+2) FORMAT TYPE BYTE DE9A 7832 DC BL2'0000000000000000' MANDATORY FIELD MASK DE9C 7833 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DE9D 5C00FF DE9F 7834 DC BL3'0101110000000000111111' 960 SCREEN MASK				
09	29970000 29980000	7836 *** END OF EXPANSION ** 7837 * HETBL V-DC,NAME-MSG,PRIME-Y,TYPE-2,NEXEC-Y, 7838 * MASK-0101111110000000001111	30070000 30080000			
10	DEA0 A0 DEA1 02 DEA2 0000 DEA4 00 DEA5 5F007	006D 7839 MSG EQU 109 TABLE ENTRY NUMBER DEA0 7840 DC AL1(128+0*32+0+0+0) CTRL CODE DEA1 7841 DC AL1(0+0+2) FORMAT TYPE BYTE DEA2 7842 DC BL2'0000000000000000' MANDATORY FIELD MASK DEA4 7843 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DEA5 5F007 DEA7 7844 DC BL3'0101111110000000001111' 960 SCREEN MASK				
12	29990000 30000000	7846 *** END OF EXPANSION ** 7847 * HETBL V-DC,NAME-OFF,PRIME-Y,TYPE-2,NEXEC-Y, 7848 * MASK-0101111000000000111111	30090000 30100000			
13	DEA8 A0 DEA9 02 DEAA 0000 DEAC 00 DEAD 5E007F	006E 7849 OFF EQU 110 TABLE ENTRY NUMBER DEA8 7850 DC AL1(128+0*32+0+0+0) CTRL CODE DEA9 7851 DC AL1(0+0+2) FORMAT TYPE BYTE DEAA 7852 DC BL2'0000000000000000' MANDATORY FIELD MASK DEAC 7853 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DEAD 5E007F DEAF 7854 DC BL3'0101111000000000111111' 960 SCREEN MASK				
15	30010000 30020000	7856 *** END OF EXPANSION ** 7857 * HETBL V-DC,NAME-PRTY,PRIME-Y,TYPE-2,NEXEC-Y, 7858 * MASK-0101111110000000001111	30110000 30120000			
16	DEB0 A0 DEB1 02 DEB2 0000 DEB4 00 DEB5 5FE007	006F 7859 PRTY EQU 111 TABLE ENTRY NUMBER DEB0 7860 DC AL1(128+0*32+0+0+0) CTRL CODE DEB1 7861 DC AL1(0+0+2) FORMAT TYPE BYTE DEB2 7862 DC BL2'0000000000000000' MANDATORY FIELD MASK DEB4 7863 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DEB5 5FE007 DEB7 7864 DC BL3'0101111110000000001111' 960 SCREEN MASK				
18		7866 *** END OF EXPANSION **				

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\$HELP SYSTEM/34 HELP UTILITY			
01	ERR LOC OBJECT CODE	ADDR STMT	
02		7868 7869 0070 7870	
03	DEB8 A0 DEB9 02 DEBA 0000 DEBC 00 DEBD 5FF801	DEB8 7871 DEB9 7872 DEBB 7873 DEBC 7874 DEBF 7875	
05		7877 7878 7879	
06	DECO E0 DEC1 02 DEC2 0000 DEC4 00 DEC5 5FF003	0071 7880 DECO 7881 DEC1 7882 DEC3 7883 DEC4 7884 DEC7 7885	
08		7887 7888 7889 0072 7890	
09	DECB A0 DEC9 02 DECA 0000 DECC 00 DECD 5C00FF	DECB 7891 DEC9 7892 DECB 7893 DECC 7894 DECF 7895	
12		7897 7898 7899	
13	DEDO A0 DED1 02 DED2 0000 DED4 00 DED5 5AAE07	DEDO 7900 DED1 7901 DED3 7903 DED4 7904 DED7 7905	
15		7907 7908 7909	
16	DEDB E0 DED9 02 DEDA 0000 DEDC 00 DEDD 5FF801	DEDB 7910 DED9 7912 DEDB 7913 DEDC 7914 DEDF 7915	
18		7917	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	25120000 25130000	6409 ***** 6410 * *	25480000 25490000			
03	25140000 25150000 25160000	6411 * WORKSTATION BUFFER PARAMETER DISPLACEMENTS 6412 * * 6413 *****	25500000 25510000 25520000			

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01	ERR LOC OBJECT CODE	ADDR STMT	
02		6427 6428 6429 6430 6431	

14	HEMSTRIN A 002	D74E	6347	4029	4276	6036	6110
	HEMXTBL A 001	D82E	6530				5783
15	HEMC1991 A 002	D78B	6396				4207
	HEMC2000 C 001	2000	6398				3491
	HEMC2001 C 001	2001	6399				3754
16	HEMC2002 C 001	2002	6400				4031
	HEMC2003 C 001	2003	6401				3482
	HEMC2004 C 001	2004	6402				4447 5804
	HEMC2005 C 001	2005	6403				4164
17	HEMC2009 C 001	2009	6404				3626
	HEMEXTR A 001	D73F	6336				4483* 4538*
	HEMENJ01 C 001	0000	6726				4863
18	HEMCTBL A 001	DA63	6692				4812
	HEMNDMSK C 001	0003	1028				1029 4011
	HEMRJTBL A 001	DA10	6644				5655
19	HEMRTRCD C 001	1990	6395				5692
	HEMSGPRM A 001	D714	6284				6009* 6029
	HEMAMCVT A 001	D7E2	6458				5719
20							

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30030000			
30040000			
30050000			
30060000			
30070000			
30080000			
30090000			
30100000			
30110000			
30120000			

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		7868 * HETBL V-DC,NAME-RELEASE,PRIME-Y,TYPE-2,NEXEC-Y, 30130000	
		7869 * MASK-0101111111110000000001 30140000	
03	DEB8 A0	DEB8 7870 EQU 112 TABLE ENTRY NUMBER	
	DEB9 02	DEB9 7871 DC AL1(128+0+32+0+0+0) CTRL CODE	
	DEB9 02	DEB9 7872 DC AL1(0+0+2) FORMAT TYPE BYTE	
04	DEBA 0000	DEBB 7873 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DEBC 00	DEBC 7874 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DEBD 5FF801	DEBF 7875 DC BL3'0101111111110000000001' 960 SCREEN MASK	
05		7877 *** END OF EXPANSION **	
		7878 * HETBL V-DC,NAME-REPLY,PRIME-Y,TYPE-2,NEXEC-Y,SPLIT-Y, 30150000	
		7879 * MASK-0101111111110000000001 30160000	
06	DECO E0	DECO 7880 EQU 113 TABLE ENTRY NUMBER	
	DEC1 02	DEC1 7881 DC AL1(128+64+32+0+0+0) CTRL CODE	
	DEC1 02	DEC1 7882 DC AL1(0+0+2) FORMAT TYPE BYTE	
07	DEC2 0000	DEC3 7883 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DEC4 00	DEC4 7884 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DEC5 5FF003	DEC7 7885 DC BL3'0101111111110000000001' 960 SCREEN MASK	
08		7887 *** END OF EXPANSION **	
		7888 * HETBL V-DC,NAME-RESTART,PRIME-Y,TYPE-2,NEXEC-Y, 30170000	
		7889 * MASK-0101110000000001111111 30180000	
09		0072 7890 RESTART EQU 114 TABLE ENTRY NUMBER	
10	DECB A0	DECB 7891 DC AL1(128+0+32+0+0+0) CTRL CODE	
	DECC 02	DECC 7892 DC AL1(0+0+2) FORMAT TYPE BYTE	
	DECA 0000	DECB 7893 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DECC 00	DECC 7894 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DECD 5C00FF	DECF 7895 DC BL3'0101110000000001111111' 960 SCREEN MASK	
11		7897 *** END OF EXPANSION **	
		7898 * HETBL V-DC,NAME-SETDUMP,PRIME-Y,TYPE-2,NEXEC-Y, 30190000	
		7899 * MASK-010110101010111000000111 30200000	
12		0073 7900 SETDUMP EQU 115 TABLE ENTRY NUMBER	
13	DEDO A0	DEDO 7901 DC AL1(128+0+32+0+0+0) CTRL CODE	
	DED1 02	DED1 7902 DC AL1(0+0+2) FORMAT TYPE BYTE	
14	DED2 0000	DED3 7903 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DED4 00	DED4 7904 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DED5 5AAE07	DED7 7905 DC BL3'010110101010111000000111' 960 SCREEN MASK	
15		7907 *** END OF EXPANSION **	
		7908 * HETBL V-DC,NAME-START,PRIME-Y,TYPE-2,NEXEC-Y,SPLIT-Y, 30210000	
		7909 * MASK-010111111111110000000001 30220000	
16	DEDB E0	DEDB 7910 EQU 116 TABLE ENTRY NUMBER	
	DED9 02	DED9 7911 DC AL1(128+64+32+0+0+0) CTRL CODE	
	DEDA 0000	DEDB 7912 DC AL1(0+0+2) FORMAT TYPE BYTE	
	DEDC 00	DEDB 7913 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DEDD 5FF801	DEDC 7914 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DEDF 7915 DC BL3'0101111111110000000001' 960 SCREEN MASK	
18		7917 *** END OF EXPANSION **	
19			
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*****	25480000		
*	25490000		
*	25500000		
*	25510000		
*****	25520000		

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6427 *****	25660000
		6428 * *	25670000
03		6429 * LIST TYPE AND NAME TABLE *	25680000
		6430 * *	25690000
		6431 *****	25700000

14	HEPROFIL A 008	D734	6330
	HEPRODC C 001	0001	1000
15	HEPULEND A 002	D75A	6330
	HEPULPTR A 002	D750	6330
	HERDN960 C 001	0004	6330
16	HEREMID A 008	D84C	6530
	HERETURN A 002	D770	6330
	HEREVMSK A 003	D7A4	6330
17	HERROLL C 001	0004	1000
	HERPGDSP C 001	0038	1000
	HERRPARM A 001	D6C7	6130
18	HESBRTBL A 001	DA31	6630
	HESCRNUP C 001	0020	6330
	HESDADSP C 001	0028	1000
19	HESDLTBL A 001	D94B	6660
	HESEARCH A 001	D73C	6330
20			

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02			
03	DEE0 E4		
	DEE1 02		
	DEE2 0000		
04	DEE4 00		
	DEE5 5FFC00		
05			
06	DEE8 B8		
	DEE9 02		
07	DEEA 0000		
	DEEC 00		
	DEED 5F003F		
08			
09			
10	DEFO E0		
	DEF1 02		
	DEF2 0000		
11	DEF4 00		
	DEF5 5FF801		
12			
13	DEF8 A0		
	DEF9 02		
14	DEFA 0000		
	DEFC 00		
	DEFD 5801FF		
15			
16	DF00 E0		
	DF01 02		
17	DF02 0000		
	DF04 00		
	DF05 5FF801		
18			
19			
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 165 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02			
03			

14	HEPRMTR A 002 D754 6350	4316*	4318	4342*	4767*	4787	
	HEPROF C 001 0001 1019						
	HEPROF A 008 D88C 6570	5112					
15	HEPULEND A 002 D75A 6353	4595					
	HEPULPTR A 002 D750 6348	4593*	4595				
	HERDM960 C 001 0004 6374	4131	4137	4233			
16	HEREMID A 008 D84C 6562	5207					
	HERETURN A 002 D770 6364	4268					
	HEREMISK A 003 D7AA 6381	3908					
17	HEROLL C 001 0004 1005	4134					
	HERPGDSP C 001 0038 1051	1052					
	HERRPARM A 001 D6C7 6172	6060					
18	HESBRTBL A 001 DA31 6657	4275					
	HESCRNUP C 001 0020 6371	3768	4149	5721	5729	6006	
	HESDADSP C 001 0028 1040	1041					
19	HESDLTBL A 001 D94B 6605	5553					
	HESEARCH A 001 D73C 6327	3714	3717	3737	3765	3771	3815
			3815	3841	3852	4223*	4241*
			4459*	4661*			
20			4865*	5748*	5808*	6105*	

G25

01	30130000		
	30140000		
03			
04			
05	30150000		
	30160000		
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09	30170000		
	30180000		
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12	30190000		
	30200000		
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15	30210000		
	30220000		
16			
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		7919 *		HETBL V-DC,NAME-STATUS,PRIME-Y,TYPE-2,NEXEC-Y,SPLIT-Y,	30230000
		7920 *		MASK-01011111111111110000000000,ROLL-Y	30240000
03	DEEO E4	DEEO 7922	EQU 117	TABLE ENTRY NUMBER	
	DEE1 O2	DEE1 7923	DC AL1(128+64+32+0+0+4)	CTRL CODE	
04	DEE2 O000	DEE3 7924	DC BL2'0000000000000000'	MANDATORY FIELD MASK	
	DEE4 O0	DEE4 7925	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT	
	DEE5 5FFC00	DEE7 7926	DC BL3'01011111111111110000000000'	960 SCREEN MASK	
05		7928 ***		END OF EXPANSION **	
		7929 *		HETBL V-DC,NAME-STATUS2,PRIME-Y,TYPE-2,NEXEC-Y,	30243000
		7930 *		MASK-01011111000000000111111,NCALL-Y,NINPT-Y	30246000
06	DEEB B8	DEEB 7932	EQU 118	TABLE ENTRY NUMBER	
	DEE9 O2	DEE9 7933	DC AL1(128+0+32+16+8+0)	CTRL CODE	
07	DEEA O000	DEEB 7934	DC BL2'0000000000000000'	MANDATORY FIELD MASK	
	DEEC O0	DEEC 7935	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT	
	DEED 5F003F	DEEF 7936	DC BL3'01011111111111110000000001'	960 SCREEN MASK	
08		7938 ***		END OF EXPANSION **	
		7939 *		HETBL V-DC,NAME-STOP,PRIME-Y,TYPE-2,NEXEC-Y,SPLIT-Y,	30250000
		7940 *		MASK-01011111111111110000000001	30260000
09	DEFO E0	DEFO 7942	EQU 119	TABLE ENTRY NUMBER	
	DEF1 O2	DEF1 7943	DC AL1(128+64+32+0+0+0)	CTRL CODE	
	DEF2 O000	DEF3 7944	DC BL2'0000000000000000'	MANDATORY FIELD MASK	
	DEF4 O0	DEF4 7945	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT	
	DEF5 5FF801	DEF7 7946	DC BL3'01011111111111110000000001'	960 SCREEN MASK	
10		7948 ***		END OF EXPANSION **	
		7949 *		HETBL V-DC,NAME-TIME,PRIME-Y,TYPE-2,NEXEC-Y,	30270000
		7950 *		MASK-010110000000000111111111	30280000
11	DEF8 A0	DEF8 7952	EQU 120	TABLE ENTRY NUMBER	
	DEF9 O2	DEF9 7953	DC AL1(128+0+32+0+0+0)	CTRL CODE	
	DEFA O000	DEFB 7954	DC BL2'0000000000000000'	MANDATORY FIELD MASK	
	DEFC O0	DEFC 7955	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT	
	DEFD 5801FF	DEFF 7956	DC BL3'010110000000000111111111'	960 SCREEN MASK	
12		7958 ***		END OF EXPANSION **	
		7959 *		HETBL V-DC,NAME-VARY,PRIME-Y,TYPE-2,NEXEC-Y,SPLIT-Y,	30290000
		7960 *		MASK-01011111111111110000000001	30300000
13	DFO0 E0	DFO0 7962	EQU 121	TABLE ENTRY NUMBER	
	DFO1 O2	DFO1 7963	DC AL1(128+64+32+0+0+0)	CTRL CODE	
	DFO2 O000	DFO3 7964	DC BL2'0000000000000000'	MANDATORY FIELD MASK	
	DFO4 O0	DFO4 7965	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT	
	DFO5 5FF801	DFO7 7966	DC BL3'01011111111111110000000001'	960 SCREEN MASK	
14		7968 ***		END OF EXPANSION **	
15					
16					
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F25

01	25660000		
	25670000		
	25680000		
	25690000		
	25700000		

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		6452		*****	25910000
		6453 *		*	25920000
		6454 *		NAME CONVERSION TABLE	25930000
		6455 *		*	25940000
03		6456		*****	25950000

14	HESYSTEN A 008 D0C1 657				
	HETABLEA A 002 D75C 635				
15	HETBLEND A 002 D760 635				
	HETBLEND A 002 D762 635				
	HETBLLEN C 001 0008 103				
16	HETBLPTR A 002 D756 635				
	HETBLSAW A 001 D734 632				
17	HETP C 001 0007 102				
	HETPLIST C 001 00A7 843				
18	HETUBA A 002 D74A 634				
	HETYPE C 001 0C01 100				
19	HETYPSAV A 002 D746 634				
	HEUSSAV A 002 D74C 634				
20	HETUTIL C 001 0005 102				

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02					
03	DF08 B0				
	DF09 13				
	DF0A 0000				
04	DF0C 27				
	DF0D 555553				
05					
06	DF10 88				
	DF11 13				
07	DF12 0000				
	DF14 27				
	DF15 555553				
08					
09	DF18 B0				
	DF19 03				
10	DF1A 0000				
	DF1C 00				
	DF1D 4EB4C3				
11					
12					
13	DF20 B0				
	DF21 03				
	DF22 0000				
14	DF24 00				
	DF25 4AAB27				
15					
16	DF28 B0				
	DF29 03				
17	DF2A 0000				
	DF2C 00				
	DF2D 4AA91F				
18					
19					
20					

01			
02	D81C FAFF		
03			

14	HESYSTEM A 008 D8C1	5832
15	HETBLBEG A 002 D75C	6354 3707 3746 3856* 3897 4444 4628 4665*
	HETBLEND A 002 D760	6356 3723 3757
	HETBLLEN C 001 0008	1031 1040 1041 1042 1043 1044 1045 1046 1047 1050 1051 1052 3860
16	HETBLPTR A 002 D756	6351 3860 3860* 4516 4630 4630 4630* 4632* 4684 4684 4684* 4686 6325
	HETBLSAV A 001 D734	6324 3704 3705 3889 3890 4011 4113 4134 4217 4235 4247 4255 4260
17	HETP C 001 0007	1025 4433* 4445* 4450 4630 4684* 4688 4868* 4872* 5732 5785 6051 6144
	HETPLIST C 001 00A7	8431 6447
18	HETUBA A 002 D74A	6345 3464* 3470 3513 3607 3672 4486 4563 4639 4691 4717
	HETYP C 001 0C01	1007 1028 3709 3747 3747* 3774 3774 3787 3800 3803 3809 3844 3844
19	HETYP SAV A 002 D746	6342 3709* 3787* 3789 3789 3911* 3929 3934
	HEUSSAV A 002 D74C	6346 4642 4720
20	HEUTIL C 001 0005	1023 6532 6535

14	HESYSTEM A 008 D8C1	5832
15	HETBLBEG A 002 D75C	6354 3707 3746 3856* 3897 4444 4628 4665*
	HETBLEND A 002 D760	6356 3723 3757
	HETBLLEN C 001 0008	1031 1040 1041 1042 1043 1044 1045 1046 1047 1050 1051 1052 3860
16	HETBLPTR A 002 D756	6351 3860 3860* 4516 4630 4630 4630* 4632* 4684 4684 4684* 4686 6325
	HETBLSAV A 001 D734	6324 3704 3705 3889 3890 4011 4113 4134 4217 4235 4247 4255 4260
17	HETP C 001 0007	1025 4433* 4445* 4450 4630 4684* 4688 4868* 4872* 5732 5785 6051 6144
	HETPLIST C 001 00A7	8431 6447
18	HETUBA A 002 D74A	6345 3464* 3470 3513 3607 3672 4486 4563 4639 4691 4717
	HETYP C 001 0C01	1007 1028 3709 3747 3747* 3774 3774 3787 3800 3803 3809 3844 3844
19	HETYP SAV A 002 D746	6342 3709* 3787* 3789 3789 3911* 3929 3934
	HEUSSAV A 002 D74C	6346 4642 4720
20	HEUTIL C 001 0005	1023 6532 6535

HE000500 A 004	C91C	36
HE001000 A 004	C927	37
HE001010 A 003	C947	37
HE001020 A 004	C967	37
HE001030 A 004	C997	37
HE001040 A 003	C99F	37
HE001042 A 004	C9C6	37
HE001044 A 003	C9DF	38
HE001045 A 003	C9E6	38
HE001050 A 003	C9FB	38
HE001060 A 003	CA09	38
HE001070 A 004	CA0C	38
HE001075 A 003	CA2A	38
HE001080 A 003	CA34	38
HE001090 A 003	CA3A	38
HE001095 A 004	CA44	38
HE001097 A 004	CA4F	38
HE001099 A 004	CA53	38

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 203 V09/11/81 12/05/81 12:00
02	ERR LOC OBJCT CODE	ADDR STMT SOURCE STATEMENT
30230000	30240000	7970 * HETBL V-DC,NAME-OCL,PRIME-Y,TYPE-3,SBLST-1,SUBR-49, 7971 * MASK-0101010101010101010011
03	DF08 80 DF09 13	007A 7972 OCL EQU 122 TABLE ENTRY NUMBER DF08 7973 DC AL1(128+0+0+0+0) CTRL CODE DF09 7974 DC AL1(0+16+3) FORMAT TYPE BYTE
04	DF0A 0000 DF0C 27 DF0D 555553	DF08 7975 DC BL2'0000000000000000' MANDATORY FIELD MASK DF0C 7976 DC AL1(39) SUBROUTINE TABLE DISPLACEMENT DF0D 7977 DC BL3'010101010101010101010011' 960 SCREEN MASK
30243000	30246000	7979 *** END OF EXPANSION ** 7980 * HETBL V-DC,NAME-OCL2,TYPE-3,PRIME-Y,SBLST-1,SUBR-49, 7981 * MASK-01010101010101010101011,NCALL-Y
06	DF10 88 DF11 13	007B 7982 OCL2 EQU 123 TABLE ENTRY NUMBER DF10 7983 DC AL1(128+0+0+0+8+0) CTRL CODE DF11 7984 DC AL1(0+16+3) FORMAT TYPE BYTE
07	DF12 0000 DF14 27 DF15 555553	DF13 7985 DC BL2'0000000000000000' MANDATORY FIELD MASK DF14 7986 DC AL1(39) SUBROUTINE TABLE DISPLACEMENT DF15 7987 DC BL3'010101010101010101010011' 960 SCREEN MASK
30250000	30260000	7989 *** END OF EXPANSION ** 7990 * HETBL V-DC,NAME-ATTR,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 7991 * MASK-010011101010101010011000011
09	DF18 80 DF19 03 DF1A 0000	007C 7992 ATTR EQU 124 TABLE ENTRY NUMBER DF18 7993 DC AL1(128+0+32+16+0+0) CTRL CODE DF19 7994 DC AL1(0+0+3) FORMAT TYPE BYTE DF1A 7995 DC BL2'0000000000000000' MANDATORY FIELD MASK
11	DF1C 00 DF1D 4E84C3	DF1C 7996 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF1D 7997 DC BL3'010011101010101010011000011' 960 SCREEN MASK
30270000	30280000	7999 *** END OF EXPANSION ** 8000 * HETBL V-DC,NAME-COMM,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 8001 * MASK-0100101010101010100100111
13	DF20 80 DF21 03	007D 8002 COMM EQU 125 TABLE ENTRY NUMBER DF20 8003 DC AL1(128+0+32+16+0+0) CTRL CODE DF21 8004 DC AL1(0+0+3) FORMAT TYPE BYTE
14	DF22 0000 DF24 00 DF25 4AAB27	DF22 8005 DC BL2'0000000000000000' MANDATORY FIELD MASK DF24 8006 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF25 8007 DC BL3'0100101010101010100100111' 960 SCREEN MASK
30290000	30300000	8009 *** END OF EXPANSION ** 8010 * HETBL V-DC,NAME-COMPILE,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 8011 * MASK-01001010101010100100011111
16	DF28 80 DF29 03	007E 8012 COMPILE EQU 126 TABLE ENTRY NUMBER DF28 8013 DC AL1(128+0+32+16+0+0) CTRL CODE DF29 8014 DC AL1(0+0+3) FORMAT TYPE BYTE
17	DF2A 0000 DF2C 00 DF2D 4AA91F	DF2A 8015 DC BL2'0000000000000000' MANDATORY FIELD MASK DF2C 8016 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF2D 8017 DC BL3'010010101010100100011111' 960 SCREEN MASK
18		8019 *** END OF EXPANSION **

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 203 V09/11/81 12/05/81 12:00
02	ERR LOC OBJCT CODE	ADDR STMT SOURCE STATEMENT
30230000	30240000	7970 * HETBL V-DC,NAME-OCL,PRIME-Y,TYPE-3,SBLST-1,SUBR-49, 7971 * MASK-0101010101010101010011
03	DF08 80 DF09 13	007A 7972 OCL EQU 122 TABLE ENTRY NUMBER DF08 7973 DC AL1(128+0+0+0+0) CTRL CODE DF09 7974 DC AL1(0+16+3) FORMAT TYPE BYTE
04	DF0A 0000 DF0C 27 DF0D 555553	DF08 7975 DC BL2'0000000000000000' MANDATORY FIELD MASK DF0C 7976 DC AL1(39) SUBROUTINE TABLE DISPLACEMENT DF0D 7977 DC BL3'010101010101010101010011' 960 SCREEN MASK
30243000	30246000	7979 *** END OF EXPANSION ** 7980 * HETBL V-DC,NAME-OCL2,TYPE-3,PRIME-Y,SBLST-1,SUBR-49, 7981 * MASK-01010101010101010101011,NCALL-Y
06	DF10 88 DF11 13	007B 7982 OCL2 EQU 123 TABLE ENTRY NUMBER DF10 7983 DC AL1(128+0+0+0+8+0) CTRL CODE DF11 7984 DC AL1(0+16+3) FORMAT TYPE BYTE
07	DF12 0000 DF14 27 DF15 555553	DF13 7985 DC BL2'0000000000000000' MANDATORY FIELD MASK DF14 7986 DC AL1(39) SUBROUTINE TABLE DISPLACEMENT DF15 7987 DC BL3'010101010101010101010011' 960 SCREEN MASK
30250000	30260000	7989 *** END OF EXPANSION ** 7990 * HETBL V-DC,NAME-ATTR,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 7991 * MASK-010011101010101010011000011
09	DF18 80 DF19 03 DF1A 0000	007C 7992 ATTR EQU 124 TABLE ENTRY NUMBER DF18 7993 DC AL1(128+0+32+16+0+0) CTRL CODE DF19 7994 DC AL1(0+0+3) FORMAT TYPE BYTE DF1A 7995 DC BL2'0000000000000000' MANDATORY FIELD MASK
11	DF1C 00 DF1D 4E84C3	DF1C 7996 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF1D 7997 DC BL3'010011101010101010011000011' 960 SCREEN MASK
30270000	30280000	7999 *** END OF EXPANSION ** 8000 * HETBL V-DC,NAME-COMM,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 8001 * MASK-0100101010101010100100111
13	DF20 80 DF21 03	007D 8002 COMM EQU 125 TABLE ENTRY NUMBER DF20 8003 DC AL1(128+0+32+16+0+0) CTRL CODE DF21 8004 DC AL1(0+0+3) FORMAT TYPE BYTE
14	DF22 0000 DF24 00 DF25 4AAB27	DF22 8005 DC BL2'0000000000000000' MANDATORY FIELD MASK DF24 8006 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF25 8007 DC BL3'0100101010101010100100111' 960 SCREEN MASK
30290000	30300000	8009 *** END OF EXPANSION ** 8010 * HETBL V-DC,NAME-COMPILE,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 8011 * MASK-01001010101010100100011111
16	DF28 80 DF29 03	007E 8012 COMPILE EQU 126 TABLE ENTRY NUMBER DF28 8013 DC AL1(128+0+32+16+0+0) CTRL CODE DF29 8014 DC AL1(0+0+3) FORMAT TYPE BYTE
17	DF2A 0000 DF2C 00 DF2D 4AA91F	DF2A 8015 DC BL2'0000000000000000' MANDATORY FIELD MASK DF2C 8016 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF2D 8017 DC BL3'010010101010100100011111' 960 SCREEN MASK
18		8019 *** END OF EXPANSION **

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ERR LOC OBJECT CODE	
DF30 88 DF31 03 DF32 0000 DF34 00 DF35 49E03F	
DF38 80 DF39 03 DF3A 0000 DF3C 00 DF3D 4D303F	
DF40 F0 DF41 03 DF42 0000 DF44 00 DF45 5FF003	
DF48 88 DF49 03 DF4A 0000 DF4C 00 DF4D 4AAAD3	
DF50 80 DF51 03 DF52 0000 DF54 00 DF55 4AA43F	

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 167 V09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
25910000	25920000	081C FAFF 081D 6506 DC AL2(CANCEL2*FMLEN+HEFMNFM)
25930000	25940000	
25950000	25960000	

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 167 V09/11/81 12/05/81 12:00
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
25910000	25920000	081C FAFF 081D 6506 DC AL2(CANCEL2*FMLEN+HEFMNFM)
25930000	25940000	
25950000	25960000	

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ERR LOC OBJECT CODE	
D81E 06 D81F D8E1 D821 D8E9	

052 3860
686 6325
255 4260
051 6144
844 3844
732 5785

14	HE001000 A 004 C91C 3672	4109 4662
	HE001010 A 003 C947 3717	3763 3775 3790 3804 3807 3810 3816 3821
15	HE001020 A 004 C967 3731	3718
	HE001030 A 004 C997 3757	3715 3738
	HE001040 A 003 C99F 3760	3724 3729 3735
16	HE001042 A 004 C9C6 3787	3772
	HE001044 A 003 C9DF 3806	3769
	HE001045 A 003 C9E6 3809	3801
17	HE001050 A 003 C9FB 3818	3766 3813
	HE001060 A 003 CA09 3832	3712
	HE001070 A 004 CA0C 3834	3850
18	HE001075 A 003 CA2A 3847	3842
	HE001080 A 003 CA3A 3852	3835
	HE001090 A 003 CA3A 3855	3777 3823
19	HE001095 A 004 CA44 3860	3853
	HE001097 A 004 CA4F 3865	3848
20	HE001099 A 004 CA53 3869	3702*

14	HE002090 A 004
	HE002099 A 004
15	HE002110 A 004
	HE002120 A 004
16	HE002130 A 003
	HE002140 A 004
	HE002199 A 004
17	HE002200 A 004
	HE002210 A 004
	HE002220 A 003
18	HE002230 A 004
	HE002240 A 004
	HE002250 A 004
19	HE002299 A 004
	HE002300 A 004
20	HE002310 A 003

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-49, 30310000
30320000
DF30 B8
DF31 03
DF32 0000
DF34 00
DF35 49E03F
R-49, 30330000
30340000
DF38 B0
DF39 03
DF3A 0000
DF3C 00
DF3D 40303F
PT-Y, 30350000
30360000
DF40 F0
DF41 03
DF42 0000
DF44 00
DF45 5FF003
PT-Y, 30370000
30380000
DF48 B8
DF49 03
DF4A 0000
DF4C 00
DF4D 4AA4D3
NINPT-Y, 30390000
30400000
DF50 B0
DF51 03
DF52 0000
DF54 00
DF55 4AA43F

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		8021 * HETBL V-DC,NAME-DATE2,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y,NCALL-Y,	30410000
		8022 * MASK-01001001111000000111111	30420000
03	DF30 B8	007F 8023 DATE2 EQU 127 TABLE ENTRY NUMBER	
	DF31 03	DF30 8024 DC AL1(128+0+32+16+8+0) CTRL CODE	
	DF32 0000	DF31 8025 DC AL1(0+0+3) FORMAT TYPE BYTE	
04	DF34 00	DF33 8026 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DF35 49E03F	DF34 8027 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DF37 8028 DC BL3'01001001111000000111111' 960 SCREEN MASK	
05		8030 *** END OF EXPANSION **	
		8031 * HETBL V-DC,NAME-EVOKE,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y,	30423000
		8032 * MASK-01001101001100000111111	30426000
06	DF38 B0	0080 8033 EVOKE EQU 128 TABLE ENTRY NUMBER	
	DF39 03	DF38 8034 DC AL1(128+0+32+16+0+0) CTRL CODE	
	DF3A 0000	DF39 8035 DC AL1(0+0+3) FORMAT TYPE BYTE	
07	DF3C 00	DF3B 8036 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DF3D 40303F	DF3C 8037 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DF3F 8038 DC BL3'01001101001100000111111' 960 SCREEN MASK	
08		8040 *** END OF EXPANSION **	
		8041 * HETBL V-DC,NAME-FILE,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y,SPLIT-Y,	30430000
		8042 * MASK-01011111111100000000011	30440000
09	DF40 F0	0081 8043 FILE EQU 129 TABLE ENTRY NUMBER	
	DF41 03	DF40 8044 DC AL1(128+64+32+16+0+0) CTRL CODE	
	DF42 0000	DF41 8045 DC AL1(0+0+3) FORMAT TYPE BYTE	
	DF44 00	DF43 8046 DC BL2'0000000000000000' MANDATORY FIELD MASK	
11	DF45 5FF003	DF44 8047 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DF47 8048 DC BL3'01011111111100000000011' 960 SCREEN MASK	
12		8050 *** END OF EXPANSION **	
		8051 * HETBL V-DC,NAME-FILE2,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y,NCALL-Y,	30450000
		8052 * MASK-0100101010101010101011	30460000
13	DF48 B8	0082 8053 FILE2 EQU 130 TABLE ENTRY NUMBER	
	DF49 03	DF48 8054 DC AL1(128+0+32+16+8+0) CTRL CODE	
	DF4A 0000	DF49 8055 DC AL1(0+0+3) FORMAT TYPE BYTE	
14	DF4C 00	DF4A 8056 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DF4D 4AA4D3	DF4C 8057 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DF4F 8058 DC BL3'0100101010101010101011' 960 SCREEN MASK	
15		8060 *** END OF EXPANSION **	
		8061 * HETBL V-DC,NAME-FORMS,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y,	30470000
		8062 * MASK-01001010101010010000111111	30480000
16	DF50 B0	0083 8063 FORMS EQU 131 TABLE ENTRY NUMBER	
	DF51 03	DF50 8064 DC AL1(128+0+32+16+0+0) CTRL CODE	
	DF52 0000	DF51 8065 DC AL1(0+0+3) FORMAT TYPE BYTE	
17	DF54 00	DF53 8066 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	DF55 4AA43F	DF54 8067 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DF57 8068 DC BL3'010010101010010000111111' 960 SCREEN MASK	
18		8070 *** END OF EXPANSION **	

\$HELP SYSTEM/34
ERR LOC OBJECT C
DF58 B0
DF59 03
DF5A 0000
DF5C 00
DF5D 40B20F
DF60 B0
DF61 03
DF62 0000
DF64 00
DF65 4A549F
DF68 B8
DF69 03
DF6A 0000
DF6C 00
DF6D 46B48F
DF70 B0
DF71 03
DF72 0000
DF74 00
DF75 4FC03
DF78 B0
DF79 03
DF7A 0000
DF7C 00
DF7D 49C07F

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26410000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		D81E 6508 HENAPCVX EQU * 1ST TIME NAME CONVERSION TABLE	26430000
03	D81E 06	D81E 6510 DC AL1(HELANG)	26450000
	D81F D8E1	D820 6511 DC AL2(HEFRTPC)	26460000
	D821 D8E9	D822 6512 DC AL2(HEFRTPC)	26470000

\$HELP SYSTEM/34
ERR LOC OBJECT C

14	HE002090 A 006 CCE4 4280 4263 4266 4271	HE002960 A 004 D
	HE002100 A 004 CCE8 4301 3629 4981 5027 5119 5145 5198 5223 5240 5305 5337 5369 5378	HE002990 A 004 D
15	HE002110 A 004 CD02 4318 4310	HE003000 A 004 D
	HE002120 A 004 CD0A 4321 4348	HE003100 A 004 D
16	HE002130 A 003 CD25 4341 4337	HE003120 A 004 D
	HE002140 A 004 CD39 4350 4322 4332	HE003200 A 005 D
	HE002199 A 004 CD30 4352 4301*	HE003210 A 004 D
17	HE002200 A 004 CD41 4374 4959 5191 5196 5232 5238 5247 5516 5521 5530 5554	HE003220 A 005 D
	HE002210 A 004 CD45 4376 4409	HE003230 A 004 D
	HE002220 A 003 CD64 4390 4394	HE003300 A 003 D
18	HE002230 A 004 CD71 4396 4391	HE003399 A 004 D
	HE002240 A 004 CD80 4403 4385	HE003400 A 005 D
	HE002250 A 004 CD88 4407 4401	HE003499 A 004 D
19	HE002299 A 004 CD96 4411 4374* 4379 4382	HE003500 A 005 D
	HE002300 A 004 CD9A 4431 4198 4875	HE003599 A 004 D
20	HE002310 A 003 CDA2 4435 4454	HE003600 A 004 D

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T-Y, NCALL-Y, 30410000 30420000	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE
	02 8072 * HETBL V-DC, NAME=IMAGE, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, 30490000 8073 * MASK-010011011011001000001111 30500000	
	03 DF58 B0 0084 8074 IMAGE EQU 132 TABLE ENTRY NUMBER DF58 8075 DC AL1(128+0+32+16+0+0) CTRL CODE DF59 03 DF59 8076 DC AL1(0+0+3) FORMAT TYPE BYTE	DF80 B0 DF81 03
SK	04 DF5A 0000 DF5B 8077 DC BL2'0000000000000000' MANDATORY FIELD MASK DF5C 00 DF5C 8078 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DF5D 4DB20F DF5F 8079 DC BL3'010011011011001000001111' 960 SCREEN MASK	DF82 0000 DF84 00 DF85 4DE40F
T-Y, 30423000 30426000	05 8081 *** END OF EXPANSION ** 8082 * HETBL V-DC, NAME=INCLUDE, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, 30510000 8083 * MASK-010010100101010010011111 30520000	
	06 DF60 B0 0085 8084 INCLUDE EQU 133 TABLE ENTRY NUMBER DF61 03 DF61 8086 DC AL1(128+0+32+16+0+0) CTRL CODE DF62 0000 DF63 8087 DC AL1(0+0+3) FORMAT TYPE BYTE DF64 00 DF64 8088 DC BL2'0000000000000000' MANDATORY FIELD MASK	DF88 B8 DF89 03 DF8A 0000 DF8C 00
SK	07 DF65 4A549F DF67 8089 DC BL3'01001010101010010011111' 960 SCREEN MASK	DF8D 40B80F
-Y, SPLIT-Y, 30430000 30440000	08 8091 *** END OF EXPANSION ** 8092 * HETBL V-DC, NAME=JOBQ2, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, NCALL-Y, 30530000 8093 * MASK-010001101011010010001111 30540000	
	09 DF68 B8 0086 8094 JOBQ2 EQU 134 TABLE ENTRY NUMBER DF69 03 DF69 8096 DC AL1(128+0+32+16+8+0) CTRL CODE DF6A 0000 DF68 8097 DC AL1(0+0+3) FORMAT TYPE BYTE DF6C 00 DF6C 8098 DC BL2'0000000000000000' MANDATORY FIELD MASK	DF90 B0 DF91 03 DF92 0G00 DF94 00
SK	10 DF6D 46848F DF6F 8099 DC BL3'010001101101010010001111' 960 SCREEN MASK	DF95 4EEDAD
T-Y, NCALL-Y, 30450000 30460000	11 8101 *** END OF EXPANSION ** 8102 * HETBL V-DC, NAME=LIBRARY, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, 30550000 8103 * MASK-010011111100111000000011 30560000	
	12 DF70 B0 0087 8104 LIBRARY EQU 135 TABLE ENTRY NUMBER DF71 03 DF71 8106 DC AL1(128+0+32+16+0+0) CTRL CODE DF72 0000 DF73 8107 DC AL1(0+0+3) FORMAT TYPE BYTE DF74 00 DF74 8108 DC BL2'0000000000000000' MANDATORY FIELD MASK	DF98 B8 DF99 03 DF9A 0000 DF9C 00
SK	13 DF75 4FCE03 DF77 8109 DC BL3'010011111100111000000011' 960 SCREEN MASK	DF9D 4D407F
T-Y, 30470000 30480000	14 8111 *** END OF EXPANSION ** 8112 * HETBL V-DC, NAME=LOAD, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, 30570000 8113 * MASK-010010011100000001111111 30580000	
	15 DF78 B0 0088 8114 LOAD EQU 136 TABLE ENTRY NUMBER DF79 03 DF79 8115 DC AL1(128+0+32+16+0+0) CTRL CODE DF7A 0000 DF78 8117 DC AL1(0+0+3) FORMAT TYPE BYTE DF7C 00 DF7C 8118 DC BL2'0000000000000000' MANDATORY FIELD MASK	DFA0 B8 DFA1 03 DFA2 0000 DFA4 00
SK	16 DF7D 49C07F DF7F 8119 DC BL3'010010011100000001111111' 960 SCREEN MASK	DFA5 4D207F
	17 8121 *** END OF EXPANSION **	
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	19	
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RSION TABLE 26430000	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE
26450000	02 6524 ***** 26590000 6525 * * 26600000	
26460000	03 6526 * MAXIMUM NUMBER PARAMETER VALUE TABLE * 26610000 6527 * * 26620000 6528 ***** 26630000	

14	HE004499 A 004 D388 5532 5518
15	HE004500 A 004 D38A 5553 6674
	HE004600 A 004 D3C6 5576 6675
	HE004610 A 004 D3E4 5590 5579 5583
	HE004699 A 004 D3F9 5597 5588
16	HE004700 A 005 D3FD 5617 6676
	HE004799 A 004 D418 5629 5618 5622
	HE004800 A 005 D41C 5650 6677
	HE004810 A 003 D42C 5657 5689
17	HE004820 A 004 D446 5669 5664
	HE004830 A 003 D44A 5671 5674
	HE004840 A 003 D459 5678 5681
18	HE004850 A 003 D463 5683 5661
	HE004860 A 004 D47C 5691 5658
	HE004900 A 004 D48F 5719 3586 4463 6678
19	HE004910 A 003 D49E 5726 5722 5743
	HE004920 A 003 D4B1 5734 5732*
20	HE004925 A 005 D4B7 5737 5730

14	ICFDEBAG C 001 0027 712
	IDDELETE C 001 0069 779
15	IMAGE C 001 0084 801
	INCLUDE C 001 0085 808
	INIT C 001 0028 713
16	IOB C 001 0001 092
	JCB0BFAB C 001 006F 131
	JCB0CCBA C 001 0003 133
17	JCB0C1BA C 001 0052 127
	JCB0CRLB C 001 0010 121
	JCB0CSBP C 001 0065 131
18	JCB0CTAG C 001 002B 124
	JCB0DATE C 001 0009 121
	JCB0DFRG C 001 0056 128
19	JCB0DTFA C 001 0054 127
	JCB0ELNG C 001 0010 133
20	JCB0ERSV C 001 000F 133

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06	V09/11/81 12/05/81 12:00
	30590000
	30600000
	30610000
	30620000
	30630000
	30640000
	30650000
	30660000
	30670000
	30680000
	30690000
	30700000
	30710000
	30720000
	30730000
	30740000
	30750000
	30760000
	30770000
	30780000
	30790000
	30800000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 207	V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		8174 *	HETBL V-DC,NAME=OFFZ,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y,NCALL-Y, 30683000
		8175 *	MASK-01001110111000000011111 30686000
03	DFAB B8	008E 8176 OFF2	EQU 142 TABLE ENTRY NUMBER
	DFAB 8177	DC	AL1(128+0+32+16+0+0) CTRL CODE
	DFA9 03	DFAB 8178	DC AL1(0+0+3) FORMAT TYPE BYTE
04	DFAA 0000	DFAB 8179	DC BL2'0000000000000000' MANDATORY FIELD MASK
	DFAC 00	DFAC 8180	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
	DFAD 4EE01F	DFAC 8181	DC BL3'01001110111000000011111' 960 SCREEN MASK
05		8183 ***	END OF EXPANSION **
		8184 *	HETBL V-DC,NAME=PAUSE,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 30690000
		8185 *	MASK-01001111111111001000000 30700000
06	DFBO B0	008F 8186 PAUSE	EQU 143 TABLE ENTRY NUMBER
	DFB1 03	DFBO 8187	DC AL1(128+0+32+16+0+0) CTRL CODE
	DFB2 0000	DFB1 8188	DC AL1(0+0+3) FORMAT TYPE BYTE
	DFB4 00	DFB3 8189	DC BL2'0000000000000000' MANDATORY FIELD MASK
	DFB5 4FFC80	DFB4 8190	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		DFB7 8191	DC BL3'01001111111110010000000' 960 SCREEN MASK
07		8193 ***	END OF EXPANSION **
		8194 *	HETBL V-DC,NAME=PRINTER,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 30710000
		8195 *	MASK-0101111111110000000001,SPLIT-Y 30720000
08	DFB8 F0	0090 8196 PRINTER	EQU 144 TABLE ENTRY NUMBER
	DFB9 03	DFB8 8197	DC AL1(128+64+32+16+0+0) CTRL CODE
	DFBA 0000	DFB9 8198	DC AL1(0+0+3) FORMAT TYPE BYTE
	DFBC 00	DFBA 8199	DC BL2'0000000000000000' MANDATORY FIELD MASK
	DFBD 5FF801	DFBC 8200	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		DFBD 8201	DC BL3'0101111111110000000001' 960 SCREEN MASK
09		8203 ***	END OF EXPANSION **
		8204 *	HETBL V-DC,NAME=PROMPT,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 30730000
		8205 *	MASK-01001101011011001000011 30740000
10	DFC0 B0	0091 8206 PROMPT	EQU 145 TABLE ENTRY NUMBER
	DFC1 03	DFC0 8207	DC AL1(128+0+32+16+0+0) CTRL CODE
	DFC2 0000	DFC1 8208	DC AL1(0+0+3) FORMAT TYPE BYTE
	DFC4 00	DFC3 8209	DC BL2'0000000000000000' MANDATORY FIELD MASK
	DFC5 4D6E43	DFC4 8210	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		DFC7 8211	DC BL3'01001101011011001000011' 960 SCREEN MASK
11		8213 ***	END OF EXPANSION **
		8214 *	HETBL V-DC,NAME=REGION,PRIME-Y,TYPE-3,NEXEC-Y,NINPT-Y, 30750000
		8215 *	MASK-01001001111110000001111 30760000
12	DFC8 B0	0092 8216 REGION	EQU 146 TABLE ENTRY NUMBER
	DFC9 03	DFC8 8217	DC AL1(128+0+32+16+0+0) CTRL CODE
	DFCA 0000	DFC9 8218	DC AL1(0+0+3) FORMAT TYPE BYTE
	DFCC 00	DFCB 8219	DC BL2'0000000000000000' MANDATORY FIELD MASK
	DFCD 49FC07	DFCC 8220	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		DFCF 8221	DC BL3'0100100111111000000111' 960 SCREEN MASK
13		8223 ***	END OF EXPANSION **
14			
15			
16			
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070	V09/11/81 12/05/81 12:00
	26810000
	26820000
	26830000
	26840000
	26850000

01	\$HELP SYSTEM/34 HELP UTILITY	PAGE 171	V09/11/81 12/05/81 12:00
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		6588	***** 27060000
		6589 *	27070000
03		6590 *	KEYWORD TABLES 27080000
		6591 *	27090000
		6592	***** 27100000

01	\$HELP SYSTEM/34 HELP UTILITY
	ERR LOC OBJECT CODE
02	
03	DFD0 B0
	DFD1 03
	DFD2 0000
	DFD4 00
	DFD5 4C00FF
04	
05	
06	DFD8 B0
	DFD9 03
	DFDA 0000
	DFDC 00
	DFDD 4D00FF
07	
08	
09	DFE0 B0
	DFE1 03
	DFE2 0000
	DFE4 00
	DFE5 4B6AA9
10	
11	
12	DFE8 F8
	DFE9 03
	DFEA 0000
	DFEC 00
	DFED 5F801F
13	
14	
15	
16	DFFO F8
	DFF1 03
	DFF2 0000
	DFFA 00
	DFFB 5FE007
17	
18	
19	
20	

14	ICFDEB C 001 0027 7125				
	ICDELETE C 001 0069 7798				
15	IMAGE C 001 0084 8074				
	INCLUDE C 001 0085 8084				
	INIT C 001 0028 7135				
16	IOB C 001 0001 0922				
	JCBDBFRA C 001 006F 1318 1321				
	JCBDBCCB C 001 0003 1330 1331				
17	JCBDCIBB C 001 0052 1277 1279				
	JCBDCRLB C 001 0010 1218 1219				
	JCBDCSBP C 001 0065 1314 1316				
18	JCBDCCTAG C 001 002B 1245 1247 3552				
	JCBDDATE C 001 0009 1210 1212				
	JCBDDFRG C 001 0056 1283 1285				
19	JCBDDTFA C 001 0054 1279 1281				
	JCBDELNG C 001 0010 1339				
20	JCBDESV C 001 000F 1338 1339				

14	JCBOSLRC C 001 0062 1293				
	JCBOSLLC C 001 004D 1271				
15	JCBOSLRA C 001 0055 1281				
	JCBOSLOB C 001 002D 1247				
	JCBOSLST C 001 000E 1214				
16	JCBOSPTD C 001 005C 1289				
	JCBOSSBA C 001 0001 1329				
	JCBOSSTAT C 001 0029 1233				
17	JCBOSUPI C 001 0006 1200 1201				
	JCBOSURIL C 001 003F 1259				
	JCBOSUR2L C 001 0041 1260				
	JCBOSURSR C 001 006D 1316				
18	JCBOSUR1 C 001 0037 1255 1256				
	JCBOSUR2 C 001 0039 1256				
	JCBOSUSBP C 001 0016 1223 1224				
19	JCBOSIPRC C 001 0020 1227 1228				
	JCBOSLWTH C 001 0070 1321				
20	JCBOSBCH C 001 0010 1174				

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
01					
02	30683000 30686000	8225 *	HETBL V-DC,NAME-RESERVE,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30770000	
		8226 *	MASK-010011010000000011111111	30780000	
03		0093 8227	RESERVE EQU 147 TABLE ENTRY NUMBER		
		DFD0 B0	DFD0 8228 DC AL1(128+0+32+16+0+0) CTRL CODE		
		DFD1 03	DFD1 8229 DC AL1(0+0+3) FORMAT TYPE BYTE		
04		DFD2 0000	DFD3 8230 DC BL2'0000000000000000' MANDATORY FIELD MASK		
		DFD4 00	DFD4 8231 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
		DFD5 4C00FF	DFD7 8232 DC BL3'010011010000000011111111' 960 SCREEN MASK		
05	30690000 30700000	8234 ***	END OF EXPANSION **		
		8235 *	HETBL V-DC,NAME-RUN,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30790000	
		8236 *	MASK-010011010000000011111111	30800000	
06		0094 8237	RUN EQU 148 TABLE ENTRY NUMBER		
		DFD8 B0	DFD8 8238 DC AL1(128+0+32+16+0+0) CTRL CODE		
		DFD9 03	DFD9 8239 DC AL1(0+0+3) FORMAT TYPE BYTE		
07		DFDA 0000	DFD8 8240 DC BL2'0000000000000000' MANDATORY FIELD MASK		
		DFDC 00	DFDC 8241 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
		DFDD 4000FF	DFDF 8242 DC BL3'010011010000000011111111' 960 SCREEN MASK		
08		8244 ***	END OF EXPANSION **		
09	30710000 30720000	8245 *	HETBL V-DC,NAME-SESSION,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30800700	
		8246 *	MASK-010010110101010101010101	30801400	
		0095 8247	SESSION EQU 149 TABLE ENTRY NUMBER		
10		DFE0 B0	DFE0 8248 DC AL1(128+0+32+16+0+0) CTRL CODE		
		DFE1 03	DFE1 8249 DC AL1(0+0+3) FORMAT TYPE BYTE		
		DFE2 0000	DFE3 8250 DC BL2'0000000000000000' MANDATORY FIELD MASK		
		DFE4 00	DFE4 8251 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
		DFE5 4B6AA9	DFE7 8252 DC BL3'010010110101010101010001' 960 SCREEN MASK		
11		8254 ***	END OF EXPANSION **		
12	30730000 30740000	8255 *	HETBL V-DC,NAME-SESSION2,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30802100	
		8256 *	MASK-0101111111000000000011111,NCALL-Y,SPLIT-Y	30802800	
		0096 8257	SESSION2 EQU 150 TABLE ENTRY NUMBER		
13		DFE8 F8	DFE8 8258 DC AL1(128+64+32+16+8+0) CTRL CODE		
		DFE9 03	DFE9 8259 DC AL1(0+0+3) FORMAT TYPE BYTE		
		DFEA 0000	DFE8 8260 DC BL2'0000000000000000' MANDATORY FIELD MASK		
		DFEC 00	DFEC 8261 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
		DFED 5F801F	DFEF 8262 DC BL3'01011111100000000011111' 960 SCREEN MASK		
14		8264 ***	END OF EXPANSION **		
15	30750000 30760000	8265 *	HETBL V-DC,NAME-SESSION3,TYPE-3,NEEXEC-Y,NINPT-Y,PRIME-Y,	30803500	
		8266 *	MASK-010111111100000000001111,NCALL-Y,SPLIT-Y	30804200	
16		0097 8267	SESSION3 EQU 151 TABLE ENTRY NUMBER		
		DFFO F8	DFFO 8268 DC AL1(128+64+32+16+8+0) CTRL CODE		
		DFF1 03	DFF1 8269 DC AL1(0+0+3) FORMAT TYPE BYTE		
		DFF2 0000	DFF3 8270 DC BL2'0000000000000000' MANDATORY FIELD MASK		
		DFF4 00	DFF4 8271 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT		
		DFF5 5FE007	DFF7 8272 DC BL3'01011111110000000001111' 960 SCREEN MASK		
17		8274 ***	END OF EXPANSION **		
18					
19					
20					

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
01					
02					
03		0098 82			
		DFB8 F8			
		DFB9 03			
		DFBA 0000			
		DFBC 00			
		DFBD 5FFC0D			
05		82			
		82			
		0099 82			
		E000 B8			
		E001 03			
		E002 0000			
		E004 00			
		E005 4B5AA7			
08		82			
09		82			
		009A 82			
		E008 B8			
		E009 03			
		E00A 0000			
		E00C 00			
		E00D 4B641F			
12		830			
		830			
		009B 830			
		E010 B8			
		E011 03			
		E012 0000			
		E014 00			
		E015 4B85A4			
15		831			
		831			
		009C 831			
		E018 B8			
		E019 03			
		E01A 0000			
		E01C 00			
		E01D 4B207F			
18		832			
19					
20					

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
01					
02	27060000 27070000	D9B5 6624	HEOV3TBL EQU * OVERRID3 KEYWORD TABLE	27420000	
		D9B6 6625	DC CL8'LINE-'	27430000	
		D9B7 6626	DC CL8'WAIT-'	27440000	
03	27080000 27090000	D9C5 6627	DC CL8'BLANK-'	27450000	
		D9C6 6628	DC CL8'RCSP-'	27460000	
04	27100000				

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
01					
02					
		665			
		665			
		665			
		665			
		665			
03					

14	JCBDSLPC C 001 0062 1293 1294
	JCBDSLRC C 001 0040 1271 1273
	JCBDSLRL C 001 0055 1281 1283
15	JCBDSL0B C 001 0020 1247 1249
	JCBDSLST C 001 000E 1214 1218
	JCBDSPID C 001 005C 1289
16	JCBDS5BA C 001 0001 1329 1330
	JCBDSSTAT C 001 0029 1233 1243
	JCBDSUPI C 001 0006 1200 1210
17	JCBDSUR1L C 001 003F 1259 1260
	JCBDSUR2L C 001 0041 1260 1262
	JCBDSUR C 001 006D 1316 1318 1319
18	JCBDSUR1 C 001 0037 1255 1256
	JCBDSUR2 C 001 0039 1256 1257
	JCBDS5BP C 001 0016 1223 1225
19	JCBDS1PRC C 001 0020 1227 1231 3644 3649*
	JCBLLNTH C 001 0070 1321
20	JCBPBTCH C 001 0010 1174

14	JCBPREGN C 001 0080 1147
	JCBPREGT C 001 0010 1184
15	JCBPRLNG C 001 0002 1187
	JCBPRLCL C 001 0040 1148
	JCBPSET C 001 0001 1198
16	JCBP5NP C 001 0002 1156
	JCBPRTMA C 001 0020 1162
	JCBPRLNG C 001 0040 1136
17	JCBP5CRT C 001 0008 1185
	JCBP5ELT C 001 0002 1197
	JCBP5EOJ C 001 0080 1181
18	JCBP5LNG C 001 0040 1296
	JCBP5LOG C 001 0080 1191
	JCBP5LOP C 001 0002 1240
19	JCBP5OFF C 001 0040 1182
	JCBP5PCK C 001 0002 1311
20	JCBP5PRT C 001 0020 1183

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	30770000 30780000	8276 * 8277 *	HETBL V-DC,NAME-SESSION4,TYPE-3, NEXEC-Y,NINPT-Y,PRIME-Y, MASK-0101111111111000000000,NCALL-Y,SPLIT-Y
03		0098 8278 EQU 152	SESSION4 TABLE ENTRY NUMBER
		DFF8 F8 DC AL1(128+64+32+16+8+0)	CTRL CODE
		DFF9 03 DC AL1(0+0+3)	FORMAT TYPE BYTE
04		DFFA 0000 DFFB 8281 DC BL2'0000000000000000'	MANDATORY FIELD MASK
		DFFC 00 DFFD 8282 DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		DFFD 5FFC00 DFFD 8283 DC BL3'0101111111111000000000'	960 SCREEN MASK
05	30790000 30800000	8285 *** END OF EXPANSION ** 8286 * 8287 *	HETBL V-DC,NAME-SESSION5,TYPE-3, NEXEC-Y,NINPT-Y,PRIME-Y, MASK-010010110101101001000111,NCALL-Y
06		0099 8288 EQU 153	SESSION5 TABLE ENTRY NUMBER
		E000 B8 DC AL1(128+0+32+16+8+0)	CTRL CODE
		E001 03 DC AL1(0+0+3)	FORMAT TYPE BYTE
07		E002 0000 E003 8291 DC BL2'0000000000000000'	MANDATORY FIELD MASK
		E004 00 E004 8292 DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		E005 4B5A47 E007 8293 DC BL3'010010110101101001000111'	960 SCREEN MASK
08		8295 *** END OF EXPANSION **	
09	30800700 30801400	8296 * 8297 *	HETBL V-DC,NAME-SESSION6,TYPE-3, NEXEC-Y,NINPT-Y,PRIME-Y, MASK-0100101101010000011111,NCALL-Y
10		009A 8298 EQU 154	SESSION6 TABLE ENTRY NUMBER
		E008 B8 DC AL1(128+0+32+16+8+0)	CTRL CODE
		E009 03 DC AL1(0+0+3)	FORMAT TYPE BYTE
		E00A 0000 E00B 8301 DC BL2'0000000000000000'	MANDATORY FIELD MASK
		E00C 00 E00C 8302 DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		E00D 4B641F E00F 8303 DC BL3'01001011010010000011111'	960 SCREEN MASK
11		8305 *** END OF EXPANSION **	
12	30802100 30802800	8306 * 8307 *	HETBL V-DC,NAME-SESSION7,TYPE-3, NEXEC-Y,NINPT-Y,PRIME-Y, MASK-01001011010101010100,NCALL-Y
13		009B 8308 EQU 155	SESSION7 TABLE ENTRY NUMBER
		E010 B8 DC AL1(128+0+32+16+8+0)	CTRL CODE
		E011 03 DC AL1(0+0+3)	FORMAT TYPE BYTE
14		E012 0000 E013 8311 DC BL2'0000000000000000'	MANDATORY FIELD MASK
		E014 00 E014 8312 DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		E015 4B8544 E017 8313 DC BL3'01001011010101010100'	960 SCREEN MASK
15	30803500 30804200	8315 *** END OF EXPANSION ** 8316 * 8317 *	HETBL V-DC,NAME-SESSION8,TYPE-3, NEXEC-Y,NINPT-Y,PRIME-Y, MASK-010010110010000001111111,NCALL-Y
16		009C 8318 EQU 156	SESSION8 TABLE ENTRY NUMBER
		E018 B8 DC AL1(128+0+32+16+8+0)	CTRL CODE
		E019 03 DC AL1(0+0+3)	FORMAT TYPE BYTE
17		E01A 0000 E01B 8321 DC BL2'0000000000000000'	MANDATORY FIELD MASK
		E01C 00 E01C 8322 DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		E01D 4B207F E01F 8323 DC BL3'01001011001000000111111'	960 SCREEN MASK
18		8325 *** END OF EXPANSION **	
19			
20			

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ERR LOC	OBJECT CODE	ADDR	SOURCE STATEMENT
01			
02			
03	E020 B8		E020 B8
	E021 03		E021 03
	E022 0000		E022 0000
	E024 00		E024 00
	E025 4B641F		E025 4B641F
05			
06	E028 B0		E028 B0
	E029 03		E029 03
07	E02A 0000		E02A 0000
	E02C 00		E02C 00
	E02D 4B00FF		E02D 4B00FF
08			
09			
10	E030 B8		E030 B8
	E031 03		E031 03
	E032 0000		E032 0000
	E034 00		E034 00
	E035 4B207F		E035 4B207F
11			
12			
13	E038 B0		E038 B0
	E039 03		E039 03
	E03A 0000		E03A 0000
	E03C 00		E03C 00
	E03D 4AAA4F		E03D 4AAA4F
14			
15			
16	E040 B8		E040 B8
	E041 03		E041 03
17	E042 0000		E042 0000
	E044 00		E044 00
	E045 4D00FF		E045 4D00FF
18			
19			
20			

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	27420000 27430000	6651 * 6652 *	***** *****
	27440000	6653 *	SUBROUTINE ADDRESS TABLE
03	27450000 27460000	6654 * 6655 *	***** *****

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ERR LOC	OBJECT CODE	ADDR	SOURCE STATEMENT
01			
02			
03			

14	JCBMREGN C 001 0080 1147
	JCBMREST C 001 0010 1184
15	JCBMRLINQ C 001 0002 1187
	JCBMRLCL C 001 0040 1148
	JCBMRSCT C 001 0001 1198
16	JCBMRSNP C 001 0002 1156
	JCBMRTWA C 001 0020 1162
	JCBMRUNG C 001 0040 1136
17	JCBMSCRT C 001 0008 1185
	JCBMSELT C 001 0002 1197
	JCBMSEJ C 001 0080 1181
18	JCBMSLMS C 001 0040 1296
	JCBMSLOG C 001 0080 1191
	JCBMSLOP C 001 0002 1240
19	JCBMSOFF C 001 0040 1182
	JCBMSPK C 001 0002 1311
20	JCBMSPRC C 001 0020 1183

14	LIBRARY C 001 0087 8104
	LISTLIBR C 001 0028 7166
15	LISTFILE C 001 0020 7186
	LISTFIL2 C 001 002E 7197
	LISTLIBR C 001 002F 7207
16	LOAD C 001 0088 8114
	LOAD360 C 001 0080 8522
	LOCAL C 001 0089 8125
17	LCJN 249 A 001 0723 6306
	LOG C 001 0030 7217
	LOG2 C 001 008A 8135
18	MLDADCTL C 001 000B 1390
	MLDADDR C 001 0005 1370
	MLDCLAS C 001 000C 1392
19	MLDINTL C 001 000D 1394
	MLDJCBA C 001 0008 1378
20	MLDLGTH C 001 0006 1372

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30804900
30805600
30806300
30807000
30807700
30808400
30808700
30809000
30809300
30809600
27670000
27680000
27690000
27700000
27710000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 210 V09/11/81 12/05/81 12:00
02				HETBL V-DC,NAME-SESSION9,TYPE-3,NEEXEC-Y,NINPT-Y,PRIME-Y,	30809700
				MASK-010010110100100000111111,NCALL-Y	30809800
03	E020 B8	E020	8329	SESSION9 EQU 157	TABLE ENTRY NUMBER
	E021 03	E021	8330	DC AL1(128+0+32+16+8+0) CTRL CODE	
	E022 0000	E022	8331	DC AL1(0+0+3) FORMAT TYPE BYTE	
04	E024 00	E024	8332	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E025 4B641F	E025	8333	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E027	8334	DC BL3'010010110100100000111111' %60 SCREEN MASK	
05				8336 *** END OF EXPANSION **	
				HETBL V-DC,NAME-SWITCH,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30810000
				MASK-010011010000000011111111	30820000
06	E028 B0	E028	8339	SWITCH EQU 158	TABLE ENTRY NUMBER
	E029 03	E029	8340	DC AL1(128+0+32+16+0+0) CTRL CODE	
	E02A 0000	E02A	8341	DC AL1(0+0+3) FORMAT TYPE BYTE	
07	E02C 00	E02C	8342	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E02D 4D00FF	E02D	8343	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E02F	8344	DC BL3'010010110100000001111111' %60 SCREEN MASK	
08				8346 *** END OF EXPANSION **	
				HETBL V-DC,NAME-SYSLIST2,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30830000
				MASK-010010110010000001111111,NCALL-Y	30840000
09	E030 B8	E030	8349	SYSLIST2 EQU 159	TABLE ENTRY NUMBER
	E031 03	E031	8350	DC AL1(128+0+32+16+8+0) CTRL CODE	
	E032 0000	E032	8351	DC AL1(0+0+3) FORMAT TYPE BYTE	
	E034 00	E034	8352	DC BL2'0000000000000000' MANDATORY FIELD MASK	
10	E035 4B207F	E035	8353	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E037	8354	DC BL3'010010110010000001111111' %60 SCREEN MASK	
11				8356 *** END OF EXPANSION **	
				HETBL V-DC,NAME-WORKSTN,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30850000
				MASK-010010101010101001001111	30860000
12	E038 B0	E038	8359	WORKSTN EQU 160	TABLE ENTRY NUMBER
	E039 03	E039	8360	DC AL1(128+0+32+16+0+0) CTRL CODE	
	E03A 0000	E03A	8361	DC AL1(0+0+3) FORMAT TYPE BYTE	
	E03C 00	E03C	8362	DC BL2'0000000000000000' MANDATORY FIELD MASK	
13	E03D 4AAA4F	E03D	8363	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E03F	8364	DC BL3'010010101010101001001111' %60 SCREEN MASK	
14				8366 *** END OF EXPANSION **	
				HETBL V-DC,NAME-ASTERISK,PRIME-Y,TYPE-3,NEEXEC-Y,NINPT-Y,	30870000
				MASK-010011010000000011111111,NCALL-Y	30880000
15	E040 P:	E040	8369	ASTERISK EQU 161	TABLE ENTRY NUMBER
	E041 03	E041	8370	DC AL1(128+0+32+16+8+0) CTRL CODE	
	E042 0000	E042	8371	DC AL1(0+0+3) FORMAT TYPE BYTE	
	E044 00	E044	8372	DC BL2'0000000000000000' MANDATORY FIELD MASK	
16	E045 4D00FF	E045	8373	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E047	8374	DC BL3'010011010000000011111111' %60 SCREEN MASK	
17				8376 *** END OF EXPANSION **	
18					
19					
20					

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR
E048 B8
E049 03
E04A 0000
E04C 00
E04D 4980FF
E050 B8
E051 03
E052 0000
E054 00
E055 4FE407
E058 B8
E059 03
E05A 0000
E05C 00
E05D 4FE407
E060 B8
E061 85
E062 0000
E064 00
E065 55554E
E068 B8
E069 86
E06A 0000
E06C 00
E06D 555556

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27670000
27680000
27690000
27700000
27710000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 174 V09/11/81 12/05/81 12:00
02				*****	27970000
				*****	27980000
				MIC NUMBER CONVERSION TABLE. USED TO CONVERT COMMAND	27990000
03				PROCESSOR RETURN CODES TO HELP MIC NUMBERS.	28000000
				*****	28010000

\$HELP SYSTEM/34 HELP UTILITY
ERR LOC OBJECT CODE ADDR

14	LIBRARY C 001 0087 8104
	LIBRLIBR C 001 0028 7166
	LINES C 001 002C 7176
15	LISTFILE C 001 002D 7186
	LISTFIL2 C 001 002E 7197
	LTSTLIBR C 001 002F 7207
16	LOAD C 001 0088 8114
	LOAD3601 C 001 0080 8522
	LOC.1 C 001 0089 8125
17	LOC.AJ 249 A 001 0723 6306 5978
	LOG C 001 0030 7217 6469
	LOC.2 C 001 008A 8135 6470
18	M.LDACTL C 001 0008 1390 1392
	M.LDADDR C 001 0005 1370 1372
	M.LDCLAS C 001 000C 1392 1394
19	M.LDINTL C 001 000D 1394 1395 1402
	M.LDJCBA C 001 0008 1378 1382
20	M.LDLGTH C 001 0006 1372 1378

14	NINE C 001 0009 0939
	NOBIT C 001 0000 0946
	NOOP C 001 0080 0945
15	NPRV C 001 0001 0963
	NUMBLBFI C 001 02E0 1532
	NUMACEQH C 001 0100 1506
16	NUMADARK C 001 0700 1579
	NUMATQE C 001 03A8 1561
	NUMADZK C 001 07C0 1582
17	NUMCPTAH C 001 0002 1515
	NUMCPTCB C 001 0200 1514
	NUMCSETC C 001 0380 1552
18	NUMCKIOB C 001 01E0 1512
	NUMDLTQE C 001 03A0 1559
	NUMDPACE C 001 0300 1565
19	NUMOPTOB C 001 0380 1563
	NUMDSTQE C 001 0390 1554
20	NUMERACE C 001 0310 1538

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ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
				8378 *	HETBL V-DC, NAME-SLSHASTR, PRIME-Y, TYPE-3, NEXEC-Y, NIMPT-Y,	30890000
				8379 *	MASK-010010011000000011111111, NCALL-Y	30900000
			00A2	8380	SLSHASTR EQU 162	TABLE ENTRY NUMBER
03	E048	B8	E048	8381	DC AL1(128+0+32+16+8+0)	CTRL CODE
	E049	03	E049	8382	DC AL1(0+0+3)	FORMAT TYPE BYTE
	E04A	0000	E04B	8383	DC BL2'0000000000000000'	MANDATORY FIELD MASK
	E04C	00	E04C	8384	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
	E04D	4980FF	E04F	8385	DC BL3'010010011000000011111111'	960 SCREEN MASK
				8387 ***	END OF EXPANSION **	
				8388 *	HETBL V-DC, NAME-SLSLASTR, PRIME-Y, TYPE-3, NEXEC-Y, NIMPT-Y,	30910000
				8389 *	MASK-010011111100100000001111, NCALL-Y	30920000
			00A3	8390	SLSLASTR EQU 163	TABLE ENTRY NUMBER
06	E050	B8	E050	8391	DC AL1(128+0+32+16+8+0)	CTRL CODE
	E051	03	E051	8392	DC AL1(0+0+3)	FORMAT TYPE BYTE
	E052	0000	E053	8393	DC BL2'0000000000000000'	MANDATORY FIELD MASK
	E054	00	E054	8394	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
	E055	4FE407	E057	8395	DC BL3'01001111110010000000111'	960 SCREEN MASK
				8397 ***	END OF EXPANSION **	
				8398 *	HETBL V-DC, NAME-SLSLASAS, PRIME-Y, TYPE-3, NEXEC-Y, NIMPT-Y,	30930000
				8399 *	MASK-010011111100100000001111, NCALL-Y	30940000
			00A4	8400	SLSLASAS EQU 164	TABLE ENTRY NUMBER
10	E058	B8	E058	8401	DC AL1(128+0+32+16+8+0)	CTRL CODE
	E059	03	E059	8402	DC AL1(0+0+3)	FORMAT TYPE BYTE
	E05A	0000	E05B	8403	DC BL2'0000000000000000'	MANDATORY FIELD MASK
	E05C	00	E05C	8404	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
	E05D	4FE407	E05F	8405	DC BL3'01001111110010000000111'	960 SCREEN MASK
				8407 ***	END OF EXPANSION **	
				8408 *	HETBL V-DC, NAME-HEUTILST, PRIME-Y, TYPE-5, PRIV-Y,	3095*000
				8409 *	MASK-010101010101010101001110	30960000
			00A5	8410	HEUTILST EQU 165	TABLE ENTRY NUMBER
13	E060	80	E060	8411	DC AL1(128+0+0+0+0+0)	CTRL CODE
	E061	85	E061	8412	DC AL1(128+0+5)	FORMAT TYPE BYTE
	E062	0000	E063	8413	DC BL2'0000000000000000'	MANDATORY FIELD MASK
	E064	00	E064	8414	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
	E065	55554E	E067	8415	DC BL3'0101010101010101001110'	960 SCREEN MASK
				8417 ***	END OF EXPANSION **	
				8418 *	HETBL V-DC, NAME-HELNLST, PRIME-Y, TYPE-6, PRIV-Y,	30970000
				8419 *	MASK-0101010101010101010110	30980000
			00A6	8420	HELNLST EQU 166	TABLE ENTRY NUMBER
16	E068	80	E068	8421	DC AL1(128+0+0+0+0+0)	CTRL CODE
	E069	86	E069	8422	DC AL1(128+0+6)	FORMAT TYPE BYTE
	E06A	0000	E06B	8423	DC BL2'0000000000000000'	MANDATORY FIELD MASK
	E06C	00	E06C	8424	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT
	E06D	555556	E06F	8425	DC BL3'01010101010101010110'	960 SCREEN MASK
				8427 ***	END OF EXPANSION **	

ERR	LOC	OBJECT CODE	ADDR
			00A7
03	E070	80	E070
	E071	87	E071
	E072	0000	E073
04	E074	00	E074
	E075	555556	E077
			00A8
06	E078	80	E078
	E079	07	E079
07	E07A	C000	E07B
	E07C	00	E07C
08	E07D	5E800F	E07F
			00A9
09	E080	80	E080
	E081	07	E081
10	E082	8000	E083
	E084	00	E084
11	E085	5A807F	E087
			00AA
13	E088	80	E088
	E089	07	E089
14	E08A	0000	E08B
	E08C	00	E08C
	E08D	5FD007	E08F
			00AB
16	E090	80	E090
	E091	07	E091
17	E092	0000	E093
	E094	00	E094
18	E095	5D007F	E097
19			
20			

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ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
				6705	*****	28170000
				6706 *		28180000
				6707 *	PATCH AREA	28190000
03				6708 *		28200000

ERR	LOC	OBJECT CODE	ADDR
02			
03			

14	NOBIT C 001 0000 0939
	NOOP C 001 0080 0945
15	NPRV C 001 0001 0963
	NUMPLBF1 C 001 02E0 1532 1535
	NUMACEQH C 001 0100 1506 1509
16	NUMADARK C 001 0700 1579
	NUMATQE C 001 03AB 1561 1563
	NUMBNDZK C 001 07C0 1582
17	NUMCPTAH C 001 0002 1515
	NUMCPTCB C 001 0200 1514 1518
	NUMCSETC C 001 0380 1552 1554
18	NUMCKJOB C 001 01E0 1512 1514
	NUMDLTQE C 001 03AD 1559 1561
	NUMDPACE C 001 0300 1565 1567
19	NUMDPJOB C 001 0380 1565 1565
	NUMDSTQE C 001 0390 1554 1557
20	NUMERACE C 001 0310 1538 1540

14	NOBIT C 001 0000 0939
	NOOP C 001 0080 0945
15	NPRV C 001 0001 0963
	NUMPLBF1 C 001 02E0 1532 1535
	NUMACEQH C 001 0100 1506 1509
16	NUMADARK C 001 0700 1579
	NUMATQE C 001 03AB 1561 1563
	NUMBNDZK C 001 07C0 1582
17	NUMCPTAH C 001 0002 1515
	NUMCPTCB C 001 0200 1514 1518
	NUMCSETC C 001 0380 1552 1554
18	NUMCKJOB C 001 01E0 1512 1514
	NUMDLTQE C 001 03AD 1559 1561
	NUMDPACE C 001 0300 1565 1567
19	NUMDPJOB C 001 0380 1565 1565
	NUMDSTQE C 001 0390 1554 1557
20	NUMERACE C 001 0310 1538 1540

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PT-Y,	30890000
	30900000
PT-Y,	30910000
	30920000
PT-Y,	30930000
	30940000
	30950000
	30960000
	30970000
	30980000
	30990000
	31000000
	31010000
	31020000
	31030000
	31040000
	31050000
	31060000
	31070000
	31080000
	31090000
	31100000
	31110000
	31120000
	31130000
	31140000
	31150000
	31160000
	31170000
	31180000
	31190000
	31200000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		8429 * HETBL V-DC, NWVE-HETPLIST, PRIME-Y, TYPE-7, PRIV-Y,	30990000
		8430 * FMSK-01010101010101010101010101010101	31000000
03	E070 80	00A7 8431 HETPLIST EQU 167 TABLE ENTRY NUMBER	
	E071 87	E070 8432 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E072 0000	E071 8433 DC AL1(0+0+7) FORMAT TYPE BYTE	
04	E074 00	E073 8434 DC BL2'0000000000000000' FUNDATORY FIELD MASK	
	E075 555556	E074 8435 DC AL1(*) SUBROUTINE TABLE 01' PLACEMENT	
		E075 8436 DC BL3'01010101010101010101010101010101' 960 SCREEN MASK	
05		8438 *** END OF EXPANSION ***	
		8439 * HETBL V-DC, NWVE-DCFORMS, PRIME-Y, TYPE-7, NMOD-1100000000,	31010000
		8440 * FMSK-01011110101010000001111111	31020000
06	E078 80	00A8 8441 DCFORMS EQU 168 TABLE ENTRY NUMBER	
	E079 07	E078 8442 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E07A C000	E079 8443 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E07C 00	E07A 8444 DC BL2'1100000000000000' FUNDATORY FIELD MASK	
	E07D SEARDF	E07C 8445 DC AL1(*) SUBROUTINE TABLE **N F DISPLACEMENT	
		E07D 8446 DC BL3'01011110101010000001111111' 960 SCREEN MASK	
08		8448 *** END OF EXPANSION ***	
		8449 * HETBL V-DC, NWVE-DCPRINT, PRIME-Y, TYPE-7, NMOD-1000000,	31030000
		8450 * FMSK-01011010100000000111111111	31040000
09	E080 80	00A9 8451 DCPRINT EQU 169 TABLE ENTRY NUMBER	
	E081 07	E080 8452 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E082 8000	E081 8453 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E084 00	E082 8454 DC BL2'1000000000000000' FUNDATORY FIELD MASK	
	E085 5A807F	E084 8455 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E085 8456 DC BL3'010110101000000011111111' 960 SCREEN MASK	
12		8458 *** END OF EXPANSION ***	
		8459 * HETBL V-DC, NWVE-DEFINEID, PRIME-Y, TYPE-7,	31043000
		8460 * FMSK-010111111101000000001111	31046000
13	E088 80	00AA 8461 DEFINEID EQU 170 TABLE ENTRY NUMBER	
	E089 07	E088 8462 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E08A 0000	E089 8463 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E08C 00	E08A 8464 DC BL2'0000000000000000' FUNDATORY FIELD MASK	
	E08D 5FD007	E08C 8465 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E08D 8466 DC BL3'0101111111010000000011111111' 960 SCREEN MASK	
15		8468 *** END OF EXPANSION ***	
		8469 * HETBL V-DC, NWVE-DEFINELU, PRIME-Y, TYPE-7,	31046200
		8470 * FMSK-010111010000000011111111	31046400
16	E090 80	00AB 8471 DEFINELU EQU 171 TABLE ENTRY NUMBER	
	E091 07	E090 8472 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E092 0000	E091 8473 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E094 00	E092 8474 DC BL2'0000000000000000' FUNDATORY FIELD MASK	
	E095 5D007F	E094 8475 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E095 8476 DC BL3'010111010000000011111111' 960 SCREEN MASK	
18		8478 *** END OF EXPANSION ***	
19			
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*****	28170000
*	28180000
*	28190000
*	28200000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6714 *****	28260000
		6715 * *****	28270000
		6716 * FORMAT CONTROL TABLE	28280000
03		6717 * *****	28290000

14	NUMADARK C 001
	NUMATQE C 001
15	NUMBNDZK C 001
	NUMCPTAH C 001
	NUMCPTCB C 001
16	NUMCSETC C 001
	NUMCKJOB C 001
	NUMDLTQE C 001
17	NUMDPACE C 001
	NUMDPJOB C 001
	NUMDSTQE C 001
18	NUMERACE C 001
19	NUMPLBF1 C 001
20	NUMACEQH C 001

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		8429 * HETBL V-DC, NWVE-HETPLIST, PRIME-Y, TYPE-7, PRIV-Y,	30990000
		8430 * FMSK-01010101010101010101010101010101	31000000
03	E070 80	00A7 8431 HETPLIST EQU 167 TABLE ENTRY NUMBER	
	E071 87	E070 8432 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E072 0000	E071 8433 DC AL1(0+0+7) FORMAT TYPE BYTE	
04	E074 00	E073 8434 DC BL2'0000000000000000' FUNDATORY FIELD MASK	
	E075 555556	E074 8435 DC AL1(*) SUBROUTINE TABLE 01' PLACEMENT	
		E075 8436 DC BL3'01010101010101010101010101010101' 960 SCREEN MASK	
05		8438 *** END OF EXPANSION ***	
		8439 * HETBL V-DC, NWVE-DCFORMS, PRIME-Y, TYPE-7, NMOD-1100000000,	31010000
		8440 * FMSK-01011110101010000001111111	31020000
06	E078 80	00A8 8441 DCFORMS EQU 168 TABLE ENTRY NUMBER	
	E079 07	E078 8442 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E07A C000	E079 8443 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E07C 00	E07A 8444 DC BL2'1100000000000000' FUNDATORY FIELD MASK	
	E07D SEARDF	E07C 8445 DC AL1(*) SUBROUTINE TABLE **N F DISPLACEMENT	
		E07D 8446 DC BL3'01011110101010000001111111' 960 SCREEN MASK	
08		8448 *** END OF EXPANSION ***	
		8449 * HETBL V-DC, NWVE-DCPRINT, PRIME-Y, TYPE-7, NMOD-1000000,	31030000
		8450 * FMSK-01011010100000000111111111	31040000
09	E080 80	00A9 8451 DCPRINT EQU 169 TABLE ENTRY NUMBER	
	E081 07	E080 8452 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E082 8000	E081 8453 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E084 00	E082 8454 DC BL2'1000000000000000' FUNDATORY FIELD MASK	
	E085 5A807F	E084 8455 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E085 8456 DC BL3'010110101000000011111111' 960 SCREEN MASK	
12		8458 *** END OF EXPANSION ***	
		8459 * HETBL V-DC, NWVE-DEFINEID, PRIME-Y, TYPE-7,	31043000
		8460 * FMSK-010111111101000000001111	31046000
13	E088 80	00AA 8461 DEFINEID EQU 170 TABLE ENTRY NUMBER	
	E089 07	E088 8462 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E08A 0000	E089 8463 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E08C 00	E08A 8464 DC BL2'0000000000000000' FUNDATORY FIELD MASK	
	E08D 5FD007	E08C 8465 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E08D 8466 DC BL3'0101111111010000000011111111' 960 SCREEN MASK	
15		8468 *** END OF EXPANSION ***	
		8469 * HETBL V-DC, NWVE-DEFINELU, PRIME-Y, TYPE-7,	31046200
		8470 * FMSK-010111010000000011111111	31046400
16	E090 80	00AB 8471 DEFINELU EQU 171 TABLE ENTRY NUMBER	
	E091 07	E090 8472 DC AL1(128*0+0+0+0+0) CTRL CODE	
	E092 0000	E091 8473 DC AL1(0+0+7) FORMAT TYPE BYTE	
	E094 00	E092 8474 DC BL2'0000000000000000' FUNDATORY FIELD MASK	
	E095 5D007F	E094 8475 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E095 8476 DC BL3'010111010000000011111111' 960 SCREEN MASK	
18		8478 *** END OF EXPANSION ***	
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6714 *****	28260000
		6715 * *****	28270000
		6716 * FORMAT CONTROL TABLE	28280000
03		6717 * *****	28290000

14	MULTIAX C 001 0023 1519 1520 1526	
	NUMBITS C 001 000F 0947 4688	
15	NUMVARN C 001 1000 1588 1590	
	OCL C 001 007A 7972 6439	
	OCL2 C 001 007B 7982	
16	OFF C 001 006E 7849 6501	
	OFF2 C 001 008E 8176 6502	
17	ONE C 001 0001 0931 4076 4497 4643 4722 4986 5019 5121 5153 5183 5313 5342 5374	
		5432 5477 5525 5585 5626 5839 5896 5924
	OP1 C 001 0002 0961	
	OP2 C 001 0004 0960	
18	ORGANIZE C 001 0031 7227	
	ORGANIZ2 C 001 0032 7237	
	ORGANIZ3 C 001 0033 7248	
19	OVERRIDE C 001 0034 7258	
	OVERRIDE2 C 001 0035 7268	
	OVERRIDE3 C 001 0036 7278	
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/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 213	V09/11/81 12/05/81 12:00	
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
30990000 31000000	02	8480 * 8481 *	HETBL V-DC,NAME-DEFINEPN,PRIME-Y,TYPE-7,MAND-000000000, MASK-010101010101010000011111	31046500 31046550
	03	EO98 80 EO99 07	EOAC 8482 DEFINEPN EQU 172 TABLE ENTRY NUMBER EO98 8483 DC AL1(128+0+0+0+0) CTRL CODE EO99 8484 DC AL1(0+0+7) FORMAT TYPE BYTE	
	04	EO9A 0000 EO9C 00 EO9D 55541F	EO9B 8485 DC BL2'0000000000000000' MANDATORY FIELD MASK EO9C 8486 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT EO9F 8487 DC BL3'010101010101010000011111' 960 SCREEN MASK	
31010000 31020000	05	8489 *** END OF EXPANSION ** 8490 * 8491 *	HETBL V-DC,NAME-DEFINX21,PRIME-Y,TYPE-7, MASK-010100100000000111111111	31046600 31046800
	06	EOA0 80 EOA1 07	EOAD 8492 DEFINX21 EQU 173 TABLE ENTRY NUMBER EOA0 8493 DC AL1(128+0+0+0+0) CTRL CODE EOA1 8494 DC AL1(0+0+7) FORMAT TYPE BYTE	
	07	EOA2 0000 EOA4 00 EOA5 5201FF	EOA3 8495 DC BL2'0000000000000000' MANDATORY FIELD MASK EOA4 8496 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT EOA7 8497 DC BL3'0101001000000011111111' 960 SCREEN MASK	
31030000 31040000	09	8499 *** END OF EXPANSION ** 8500 * 8501 * EOA6 8502 EM3270	HETBL V-DC,NAME-EM3270,PRIME-Y,TYPE-7, MASK-01011010101010101000011 EQU 174 TABLE ENTRY NUMBER	31047000 31048000
	10	EOA8 80 EOA9 07 EOAA 0000	EOA8 8503 DC AL1(128+0+0+0+0) CTRL CODE EOA9 8504 DC AL1(0+0+7) FORMAT TYPE BYTE EOAA 8505 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	11	EOAC 00 EOAD 5AAD43	EOAC 8506 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT EOAF 8507 DC BL3'01011010101010101000011' 960 SCREEN MASK	
31043000 31046000	12	8509 *** END OF EXPANSION ** 8510 * 8511 * EOAF 8512 ES3270	HETBL V-DC,NAME-ES3270,PRIME-Y,TYPE-7, MASK-0101101010101010101010 EQU 175 TABLE ENTRY NUMBER	31048600 31049200
	13	EOB0 80 EOB1 07	EOB0 8513 DC AL1(128+0+0+0+0) CTRL CODE EOB1 8514 DC AL1(0+0+7) FORMAT TYPE BYTE	
	14	EOB2 0000 EOB4 00 EOB5 5AAD54	EOB3 8515 DC BL2'0000000000000000' MANDATORY FIELD MASK EOB4 8516 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT EOB7 8517 DC BL3'010110101010101010100' 960 SCREEN MASK	
31046200 31046400	16	8519 *** END OF EXPANSION ** 8520 * 8521 * EOB8 8522 LOAD3601	HETBL V-DC,NAME-LOAD3601,PRIME-Y,TYPE-7, MASK-010110101000000011111111,MAND-1000000000 EQU 176 TABLE ENTRY NUMBER	31049400 31049600
	17	EOB9 07 EOBA 8000 EOBC 00 EOBD 5A807F	EOB8 8523 DC AL1(128+0+0+0+0) CTRL CODE EOB9 8524 DC AL1(0+0+7) FORMAT TYPE BYTE EOBB 8525 DC BL2'1000000000000000' MANDATORY FIELD MASK EOBC 8526 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT EOBF 8527 DC BL3'010110101000000000111111' 960 SCREEN MASK	
	18	8529 *** END OF EXPANSION **		
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/11/81 12/05/81 12:00	\$HELP SYSTEM/34 HELP UTILITY	PAGE 177	V09/11/81 12/05/81 12:00	
	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
28260000 28270000 28280000 28290000 28300000	02	6745 * 6746 * 0002 6747 HEPRLST	HETBL V-DC,NAME-HEPRCLST,PRIME-Y,PRIV-Y,TYPE-1, MASK-010101010101010101010101 EQU 2 TABLE ENTRY NUMBER	28380000 28390000
	03	DB48 80 DB49 81	DB48 6748 DC AL1(128+0+0+0+0) CTRL CODE DB49 6749 DC AL1(0+0+7) FORMAT TYPE BYTE	

15	PPSVAR04 C 001 0047 1641 1643
	PPSVAR06 C 001 0057 1645 1647
16	PPSVAR07 C 001 005F 1647 1649
	PPSVAR08 C 001 0067 1649 1651
	PPSVAR09 C 001 006F 1651 1653
17	PPSVAR10 C 001 0077 1653 1655
	PPSVAR11 C 001 007F 1655 4118 4118*
	PRESTOR C 001 003E 7360
18	PRINTER C 001 0090 8196
	PRLIST C 001 003F 7370
	PRLIST2 C 001 0040 7380
19	PRLIST3 C 001 0041 7390
	PRMENU C 001 0042 7401
20	PROF C 001 0043 7411

5	QCPUNIT C 001 0004 0919
	QCPMEM C 001 0008 2361
	QCPMEM C 001 0004 2358
6	QCPWAIT C 001 0008 2360 2368 2368
	QCPWPR1 C 001 0018 2369
	QCPW C 001 0010 2363 2368 2368
7	QCPWV C 001 0019 2368
	QCPWF C 001 0002 2355
	QCPWFRESH C 001 0001 2354
8	QCSCT C 001 0010 2362
	QCSPEC C 001 0009 2370
	QCSYSREQ C 001 0004 2357
9	QTDCEM C 001 0008 2359
	QWAIT C 001 0001 2353 2368 2368
20	QXLOFF C 001 0004 2356

H01

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 214 W09/11/81 12/05/81 12:00				
02		8531 *		HETBL V-DC,NAME-PRJE, SUBR-48, PRIME-Y, TYPE-7,	31050000
		8532 *		MASK-0101111101010101000000	31060000
03	E0C0 80	E0B1 8533	MRJE	EQU 177 TABLE ENTRY NUMBER	
	E0C0 07	E0C0 8534	DC	AL1(128+0+0+0+0) CTRL CODE	
	E0C1 07	E0C1 8535	DC	AL1(0+0+7) FORMAT TYPE BYTE	
04	E0C2 0000	E0C3 8536	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	E0C4 25	E0C4 8537	DC	AL1(37) SUBROUTINE TABLE DISPLACEMENT	
	E0C5 5FB540	E0C7 8538	DC	BL3'0101111101010101000000' 960 SCREEN MASK	
05		8540 ***	END OF EXPANSION **		
		8541 *		HETBL V-DC,NAME-REQUESTX, PRIME-Y, TYPE-7,	31063000
		8542 *		MASK-010100100000000111111111	31066000
06	E0C6 80	E0B2 8543	REQUESTX	EQU 178 TABLE ENTRY NUMBER	
	E0C8 07	E0C8 8544	DC	AL1(128+0+0+0+0) CTRL CODE	
	E0C9 07	E0C9 8545	DC	AL1(0+0+7) FORMAT TYPE BYTE	
07	E0CA 0000	E0CB 8546	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	E0CC 00	E0CC 8547	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E0CD 5201FF	E0CF 8548	DC	BL3'010100100000000111111111' 960 SCREEN MASK	
08		8550 ***	END OF EXPANSION **		
		8551 *		HETBL V-DC,NAME-SRJE, PRIME-Y, TYPE-7,	31070000
		8552 *		MASK-0101111010101010100000	31080000
09		E0B3 8553	SRJE	EQU 179 TABLE ENTRY NUMBER	
	E0D0 80	E0D0 8554	DC	AL1(128+0+0+0+0) CTRL CODE	
	E0D1 07	E0D1 8555	DC	AL1(0+0+7) FORMAT TYPE BYTE	
	E0D2 0000	E0D3 8556	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	E0D4 00	E0D4 8557	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E0D5 5E0550	E0D7 8558	DC	BL3'0101111010101010100000' 960 SCREEN MASK	
12		8560 ***	END OF EXPANSION **		
		8561 *		HETBL V-DC,NAME-STARTM, PRIME-Y, TYPE-7, MAND-1110000000,	31082000
		8562 *		MASK-010110101010000001111111	31084000
13	E0D8 80	E0B4 8563	STARTM	EQU 180 TABLE ENTRY NUMBER	
	E0D9 07	E0D8 8564	DC	AL1(128+0+0+0+0) CTRL CODE	
	E0DA 0000	E0D9 8565	DC	AL1(0+0+7) FORMAT TYPE BYTE	
	E0DC 00	E0DB 8566	DC	BL2'1110000000000000' MANDATORY FIELD MASK	
	E0DD 5AA03F	E0DC 8567	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E0DF 8568	DC	BL3'010110101010000001111111' 960 SCREEN MASK	
15		8570 ***	END OF EXPANSION **		

G01

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HELP UTILITY PAGE 178 W09/11/81 12/05/81 12:00				
02		6776 *		HETBL V-DC,NAME-HEPRCLS4, PRIME-Y, PRIV-Y, TYPE-1,	28433000
		6777 *		MASK-0101010101010101010011	28436000
03	DB60 80	DB60 6778	HEPRCLS4	EQU 5 TABLE ENTRY NUMBER	
	DB61 81	DB60 6779	DC	AL1(128+0+0+0+0) CTRL CODE	
	DB62 0000	DB61 6780	DC	AL1(128+0+1) FORMAT TYPE BYTE	
04	DB64 00	DB63 6781	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	DB65 555553	DB64 6782	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DB67 6783	DC	BL3'0101010101010101010011' 960 SCREEN MASK	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	\$HELP SYSTEM/34 HEL UTILITY				
02		6827 *			
		6828 *			
03	DB88 80	DB88 6829	BLD		
	DB89 01	DB88 6830			
	DB8A E000	DB89 6831			
	DB8C 19	DB8A 6832			
		DB8C 6833			
		DB8E 6834			

QCPMATT	C	001	0004	2361		
QFMEXM	C	001	0004	2358		
QFMATT	C	001	0008	2360	2368 2369 2370	
QNCMPRI	C	001	0018	2369		
QNC	C	001	0010	2363	2368 2369	
QNCNW	C	001	0019	2368		
QNREF	C	001	0002	2355		
QREFRESH	C	001	0001	2354		
QSCT	C	001	0010	2362		
QSPEC	C	001	0009	2370		
QSYSREQ	C	001	0004	2357		
QTOEXM	C	001	0008	2359		
QWATT	C	001	0001	2353	2368 2370 4504	
QXLOFF	C	001	0004	2356		

H02

9/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY		PAGE 215 09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
31050000		8572 *		HETBL V-DC,NPVE-STOPL,PRIME-Y,TYPE-7,MMND-100000000,	31086000
31060000		8573 *		MSK-010110100000000111111111	31088000
03	EOE0 80	EOE0 8575	DC	AL1(128*0+0+0+0) CTRL CODE	
	EOE1 07	EOE1 8576	DC	AL1(0+0+7) FORMAT TYPE BYTE	
	EOE2 8000	EOE3 8577	DC	BL2'10000000000000' MANDATORY FIELD MASK	
	EOE4 00	EOE4 8578	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	EOE5 5A00FF	EOE7 8579	DC	BL3'01011010000000011111111' 960 SCREEN MASK	
31063000		8581 ***		END OF EXPANSION **	
31066000		8582 *		HETBL V-DC,NPVE-HESRVLST,PRIME-Y,TYPE-8,PRIV-Y,	31090000
		8583 *		MSK-010101010101010101010101	31100000
06	EOE8 80	EOE8 8584	EQU	182 TABLE ENTRY NUMBER	
	EOE9 88	EOE9 8586	DC	AL1(128*0+8) FORMAT TYPE BYTE	
	EOEA 0000	EOE8 8587	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	EDEC 00	EDEC 8588	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	EODD 555553	EDEF 8589	DC	BL3'0101010101010101010101011' 960 SCREEN MASK	
31070000		8591 ***		END OF EXPANSION **	
31080000					
31082000					
31084000					

G02

9/11/81 12/05/81 12:00		\$HELP SYSTEM/34 HELP UTILITY		PAGE 179 09/11/81 12/05/81 12:00	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
28433000		6827 *		HETBL V-DC,NPVE-BLDL1BR,SUBR-42,PRIME-Y,TYPE-1,	28520000
28436000		6828 *		MSK-010101010101010000011111,MMND-1110000000	28530000
03	DB88 80	DB88 6830	DC	AL1(128*0+0+0+0) CTRL CODE	
	DB89 01	DB89 6831	DC	AL1(0+0+1) FORMAT TYPE BYTE	
	DB8A E000	DB8B 6832	DC	BL2'1111000000000000' MANDATORY FIELD MASK	
	DB8C 19	DB8C 6833	DC	AL1(25) SUBROUTINE TABLE DISPLACEMENT	
	DB8D 55541F	DB8F 6834	DC	BL3'010101010101010000011111' 960 SCREEN MASK	

15	RICDM	C 001 0032 3429
16	RICDB	C 001 0033 3430
16	RICDC	C 001 0034 3431
16	RICDD	C 001 003D 3440
16	RINFO	C 001 000F 3394
17	RIOERR	C 001 002D 3424
17	RLIBRY	C 001 000A 3389
17	RLOPEN	C 001 0016 3401
18	ROFFLINE	C 001 0027 3418
18	ROPEN	C 001 0002 3381
18	RPGHLT	C 001 0012 3397
19	RPRALGN	C 001 0014 3399
19	RPRAZ	C 001 0028 3422
19	RRDDM	C 001 0041 3444
20	RRSVDDO	C 001 0000 3379

15	SAVE2	C 001 004F 795
16	SAVE3	C 001 0050 794
17	SCAMDDM	C 001 0083 214
17	SCAMTCDM	C 001 0083 214
17	SCAMADD0	C 001 004D 214
17	SCAMADD1	C 001 004F 214
18	SCAMADD2	C 001 0081 214
18	SCAMADD3	C 001 0085 214
18	SCAMPZMS	C 001 000C 171
19	SCACKPST	C 001 0080 223
19	SCACONFG	C 001 002F 186
19	SCACSATB	C 001 0084 203
20	SCACS1ZE	C 001 0011 178

H03

01	31086000	31088000
02		
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05	31090000	31100000
06		
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\$HELP SYSTEM/34 HELP UTILITY		PAGE 216 V09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		8593 * HETBL V-DC,NAME-APAR,PRIME-Y,TYPE-8,MAND-1000000000,	31110000
02		8594 * MASK-010110101000000011111	31120000
03	EOFO 80	EOB7 8595 APAR EQU 183 TABLE ENTRY NUMBER	
03	EOF1 08	EOFO 8596 DC AL1(128*0+0+0+0+0) CTRL CODE	
03	EOF2 8000	EOF1 8597 DC AL1(0+0+8) FORMAT TYPE BYTE	
04	EOF4 00	EOF2 8598 DC BL2'1000000000000000' MANDATORY FIELD MASK	
04	EOF5 5D501F	EOF4 8599 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
04		EOF7 8600 DC BL3'010110101000000011111' 960 SCREEN MASK	
05		8602 *** END OF EXPANSION **	
05		8603 * HETBL V-DC,NAME-APPLYPTF,TYPE-8,SUBR-53,PRIME-Y,	31123000
05		8604 * MASK-010110101000000011111,MAND-1100000000	31126000
06	EOF8 80	EOB8 8605 APPLYPTF EQU 184 TABLE ENTRY NUMBER	
06	EOF9 08	EOF8 8606 DC AL1(128*0+0+0+0+0) CTRL CODE	
07	EOFA C000	EOF9 8607 DC AL1(0+0+8) FORMAT TYPE BYTE	
07	EOFC 2F	EOFB 8608 DC BL2'1100000000000000' MANDATORY FIELD MASK	
07	EOFD 5AC03F	EOFC 8609 DC AL1(47) SUBROUTINE TABLE DISPLACEMENT	
07		EOFF 8610 DC BL3'010110101000000011111' 960 SCREEN MASK	
08		8612 *** END OF EXPANSION **	
09		8613 * HETBL V-DC,NAME-APPLYPT2,TYPE-8,MAND-1000000000,	31130000
09		8614 * MASK-00000000001000000011111	31140000
10	E100 00	EOB9 8615 APPLYPT2 EQU 185 TABLE ENTRY NUMBER	
10	E101 08	E100 8616 DC AL1(0+0+0+0+0+0) CTRL CODE	
10	E102 8000	E101 8617 DC AL1(0+0+8) FORMAT TYPE BYTE	
10	E104 00	E103 8618 DC BL2'1000000000000000' MANDATORY FIELD MASK	
11	E105 00101F	E104 8619 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
11		E107 8620 DC BL3'00000000001000000011111' 960 SCREEN MASK	
12		8622 *** END OF EXPANSION **	
13			
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01	
02	
03	E:08 80
03	E109 08
03	E10A 0000
04	E10C 00
04	E10D 5B007F
05	
06	E110 80
06	E111 08
07	E112 0000
07	E114 00
07	E115 5B501F
08	
09	
10	E118 80
10	E119 08
10	E11A 0000
11	E11C 00
11	E11D 5401FF
12	
13	E120 80
13	E121 08
13	E122 0000
14	E124 00
14	E125 50007F
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G03

01	28520000	28530000
02		
03		
04		

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		6878 * HETBL V-DC,NAME-CATALOG,SUBR-46,PRIME-Y,TYPE-1,	28630000
02		6879 * MASK-01010101000000001111111	28640000
03	DBB0 80	OOOF 6880 CATALOG EQU 15 TABLE ENTRY NUMBER	
03	DBB1 01	DBB0 6881 DC AL1(128*0+0+0+0+0) CTRL CODE	
03	DBB2 0000	DBB1 6882 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DBB4 21	DBB2 6883 DC BL2'0000000000000000' MANDATORY FIELD MASK	
04	DBB5 5500FF	DBB4 6884 DC AL1(33) SUBROUTINE TABLE DISPLACEMENT	
04		DBB7 6885 DC BL3'01010101000000001111111' 960 SCREEN MASK	

01	
02	
03	DBB8 80
03	DBB9 01
03	DBDA 2000
04	DBDC 00
04	DBDD 555547

13	SAVE	C 001 0001	7523
16	SAVE2	C 001 004F	7533
	SAVE3	C 001 0050	7543
	SCAMDM1	C 001 0083	2167 2168
	SCAM1CDM	C 001 0083	2168
17	SCAM1DB0	C 001 00AD	2164
	SCAM1DB1	C 001 00AF	2165
	SCAM1DB2	C 001 00B1	2166
18	SCAM1DB3	C 001 00B5	2174
	SCA2KMS	C 001 000C	1738 1742
	SCACKRST	C 001 0080	2225
19	SCACONFG	C 001 002F	1867 1869
	SCACSATB	C 001 0084	2017 2019
	SCACSTZE	C 001 0011	1781 1784
20			

13	SCADNTR	C 001 00F0	2271
	SCADNTR	C 001 0074	199
16	SCADNTR	C 001 0078	2011
	SCADNTR	C 001 0040	189
	SCADNTR	C 001 0073	198
17	SCADNTR	C 001 007E	2011
	SCADNTR	C 001 009E	193
	SCADNTR	C 001 0017	183
18	SCADNTR	C 001 008B	202
	SCADNTR	C 001 006D	195
	SCADNTR	C 001 0010	177
19	SCADNTR	C 001 0000	171
	SCADNTR	C 001 006F	195
	SCADNTR	C 001 0042	208
20			

HO4

1216	W09/11/81	12/05/81	12:00
31110000			
31120000			
31123000			
31126000			
31130000			
31140000			
31180000			
31190000			
31200000			
31210000			
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31230000			
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31970000			
31980000			
31990000			
32000000			

\$HELP SYSTEM/34 HELP UTILITY		PAGE 217 W09/11/81 12/05/81 12:00	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	31140000	8624 * HETBL V-DC,NAME-DFA,PRIME-Y,TYPE-B,	31140000
	31160000	8625 * MASK-0101101000000001111111	31160000
03	E108 80	00BA 8626 DFA EQU 186 TABLE ENTRY NUMBER	
	E108 80	E108 8627 DC AL1(128*0+0+0+0) CTRL CODE	
	E109 08	E109 8628 DC AL1(0+0+8) FORMAT TYPE BYTE	
04	E10A 0000	E108 8629 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E10C 00	E10C 8630 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E10D 5D007F	E10F 8631 DC BL3'0101101000000001111111' 960 SCREEN MASK	
05	31123000	8633 *** END OF EXPANSION **	
	31126000	8634 * HETBL V-DC,NAME-DUMP,PRIME-Y,TYPE-B,	31126000
		8635 * MASK-0101101010100000011111	31160000
06	E110 80	00BB 8636 DUMP EQU 187 TABLE ENTRY NUMBER	
	E110 80	E110 8637 DC AL1(128*0+0+0+0) CTRL CODE	
	E111 08	E111 8638 DC AL1(0+0+8) FORMAT TYPE BYTE	
07	E112 0000	E113 8639 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E114 00	E114 8640 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E115 5B501F	E117 8641 DC BL3'010110101010000001111111' 960 SCREEN MASK	
08	31130000	8643 *** END OF EXPANSION **	
	31140000	8644 * HETBL V-DC,NAME-ERAP,PRIME-Y,TYPE-B,	31140000
		8645 * MASK-010101000000000111111111	31180000
09	E118 80	00BC 8646 ERAP EQU 188 TABLE ENTRY NUMBER	
	E118 80	E118 8647 DC AL1(128*0+0+0+0) CTRL CODE	
	E119 08	E119 8648 DC AL1(0+0+8) FORMAT TYPE BYTE	
10	E11A 0000	E118 8649 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E11C 00	E11C 8650 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E11D 5401FF	E11F 8651 DC BL3'010101000000000111111111' 960 SCREEN MASK	
12	31190000	8653 *** END OF EXPANSION **	
	31200000	8654 * HETBL V-DC,NAME-PATCH,PRIME-Y,TYPE-B,	31190000
		8655 * MASK-010110100000000111111111	31200000
13	E120 80	00BD 8656 PATCH EQU 189 TABLE ENTRY NUMBER	
	E120 80	E120 8657 DC AL1(128*0+0+0+0) CTRL CODE	
	E121 08	E121 8658 DC AL1(0+0+8) FORMAT TYPE BYTE	
14	E122 0000	E123 8659 DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E124 00	E124 8660 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E125 5D007F	E127 8661 DC BL3'010110100000000111111111' 960 SCREEN MASK	
15	31260000	8663 *** END OF EXPANSION **	
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17			
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19			
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G04

180	W09/11/81	12/05/81	12:00
28630000			
28640000			

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	28710000	6929 * HETBL V-DC,NAME-COPY11,PRIME-Y,TYPE-1,MAND-0010000000,	28710000
	28720000	6930 * MASK-010101010101010101010111	28720000
03	DBD8 80	0014 6931 COPY11 EQU 20 TABLE ENTRY NUMBER	
	DBD9 01	DBD8 6932 DC AL1(128*0+0+0+0) CTRL CODE	
	DBD9 01	DBD9 6933 DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DBDA 2000	DBD8 6934 DC BL2'0010000000000000' MANDATORY FIELD MASK	
	DBDC 00	DBDC 6935 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DBDD 555547	DBDF 6936 DC BL3'010101010101010101010111' 960 SCREEN MASK	

01	ERR LOC OBJECT CODE	
02		
03	E128 80	
	E129 08	
	E12A 0000	
	E12C 00	
	E12D 5D007F	
05		
06	E130 80	
	E131 08	
	E132 0000	
	E134 00	
	E135 5400FF	
09		
10	E138 80	
	E139 14	
	E13A 0000	
	E13C 27	
	E13D 555553	
12		
13	E140 F4	
	E141 04	
	E142 0000	
	E144 00	
	E145 7FF800	
15		
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15	SCAML1TR C 001 0001 1843
	SCAML1TX C 001 0010 1839
	SCAML2TR C 001 0002 1842
16	SCAML2TX C 001 0020 1838
	SCAML3TR C 001 0004 1841
	SCAML3TX C 001 0040 1837
17	SCAML4TR C 001 0008 1840
	SCAML4TX C 001 0080 1836
	SCAMPD32 C 001 0080 1823
18	SCAMPILCA C 001 0080 2045
	SCAMPJRJE C 001 0040 1815
	SCAMPISBL C 001 0008 1978
19	SCAMPDDDD C 001 0001 2220
	SCAMPOTTD C 001 0001 1820
20	SCAMPPIE C 001 0002 1829

15	SCAMSNP C 001 0004 2146
	SCAM32K C 001 0010 1729
	SCAM48K C 001 0018 1728
16	SCAM564K C 001 0020 1727
	SCAM596K C 001 0030 1726
	SCAMTACT C 001 0001 2032
17	SCAMTELL C 001 0001 1981
	SCAMTOLD C 001 0002 1980
	SCAMUSAF C 001 0002 2231
18	SCAMWALD C 001 0080 2181
	SCAMWDR C 001 0004 1805
	SCAMWDRK C 001 0008 1804
19	SCAMWSCB C 001 0040 2046
	SCAMWSE C 001 0010 1967
20	SCAMWTC C 001 0004 1927

H08

20	V09/11/81 12/05/81 12:00
	31383000
	31386000
	31390000
	31400000
	31410000
	31420000
	31430000
	31440000
	31450000
	31460000
	28930000
	28940000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 221 V09/11/81 12/05/81 12:00
02			8808 *	HETBL V-DC,NAME-COND4,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,SPLIT-Y,	31470000
			8809 *	MASK-011111111111000000000011,NCALL-Y,ROLL-Y	31480000
03	E198 FC	E198	8810	COND4 EQU 204 TABLE ENTRY NUMBER	
	E199 04	E198	8811	DC AL1(128+64+32+16+8+4) CTRL CODE	
	E19A 0000	E198	8812	DC AL1(0+0+4) FORMAT TYPE BYTE	
04	E19C 00	E198	8813	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E19D 7FE003	E19C	8814	DC AL1(*) SUBROUTINE TABLF DISPLACEMENT	
		E19F	8815	DC BL3'011111111111000000000011' 960 SCREEN MASK	
05			8817 ***	END OF EXPANSION **	
			8818 *	HETBL V-DC,NAME-COND5,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,SPLIT-Y,	31490000
			8819 *	MASK-0111111111110000000000,NCALL-Y,ROLL-Y	31500000
06	E1A0 FC	E1A0	8820	COND5 EQU 205 TABLE ENTRY NUMBER	
	E1A1 04	E1A1	8821	DC AL1(128+64+32+16+8+4) CTRL CODE	
	E1A2 0000	E1A1	8822	DC AL1(0+0+4) FORMAT TYPE BYTE	
07	E1A4 00	E1A3	8823	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E1A5 7FF800	E1A4	8824	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1A7	8825	DC BL3'0111111111110000000000' 960 SCREEN MASK	
08			8827 ***	END OF EXPANSION **	
			8828 *	HETBL V-DC,NAME-COND6,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,	31510000
			8829 *	MASK-0111111111110000000000,NCALL-Y	31520000
09	E1A8 B8	E1A8	8830	COND6 EQU 206 TABLE ENTRY NUMBER	
	E1A9 04	E1A8	8831	DC AL1(128+0+32+16+8+0) CTRL CODE	
	E1AA 0000	E1A9	8832	DC AL1(0+0+4) FORMAT TYPE BYTE	
	E1AC 00	E1A8	8833	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E1AD 7FF800	E1AC	8834	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1AF	8835	DC BL3'0111111111110000000000' 960 SCREEN MASK	
10			8837 ***	END OF EXPANSION **	
			8838 *	HETBL V-DC,NAME-COND7,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,	31523000
			8839 *	MASK-011111101111110000000000,NCALL-Y	31526000
11	E1B0 B8	E1B0	8840	COND7 EQU 207 TABLE ENTRY NUMBER	
	E1B1 04	E1B0	8841	DC AL1(128+0+32+16+8+0) CTRL CODE	
	E1B2 0000	E1B1	8842	DC AL1(0+0+4) FORMAT TYPE BYTE	
	E1B4 00	E1B3	8843	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E1B5 7EFC00	E1B4	8844	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1B7	8845	DC BL3'011111101111110000000000' 960 SCREEN MASK	
12			8847 ***	END OF EXPANSION **	
			8848 *	HETBL V-DC,NAME-CANCEL2,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,	31530000
			8849 *	MASK-0111111111110000000000,NCALL-Y	31540000
13	E1B8 B8	E1B8	8850	CANCEL2 EQU 208 TABLE ENTRY NUMBER	
	E1B9 04	E1B8	8851	DC AL1(128+0+32+16+8+0) CTRL CODE	
	E1BA 0000	E1B9	8852	DC AL1(0+0+4) FORMAT TYPE BYTE	
	E1BC 00	E1B8	8853	DC BL2'0000000000000000' MANDATORY FIELD MASK	
	E1BD 7FF800	E1BC	8854	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1BF	8855	DC BL3'0111111111110000000000' 960 SCREEN MASK	
14			8857 ***	END OF EXPANSION **	
15					
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G08

84	V09/11/81 12/05/81 12:00
	28930000
	28940000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 185 V09/11/81 12/05/81 12:00
02			7123 *	HETBL V-DC,NAME-ICFDEBUG,PRIME-Y,TYPE-1,	28983000
			7124 *	MASK-0101101010000000111111,MAND-1000000000	28986000
03	DC70 80	DC70	7125	ICFDEBUG EQU 39 TABLE ENTRY NUMBER	
	DC71 01	DC71	7126	DC AL1(128+0+0+0+0+0) CTRL CODE	
	DC72 8000	DC71	7127	DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DC74 00	DC73	7128	DC BL2'1000000000000000' MANDATORY FIELD MASK	
	DC75 5A8000	DC74	7129	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DC77	7130	DC BL3'0111111111110000000000' 960 SCREEN MASK	

01				\$HELP SYSTEM/34 HELP UTILITY	
02					
03	DC80 80	DC80	80	DC80 80	DC80 80
	DC81 01	DC81	01	DC81 01	DC81 01
	DC82 8000	DC82	8000	DC82 8000	DC82 8000
04	DC84 00	DC84	00	DC84 00	DC84 00
	DC85 5A8000	DC85	5A8000	DC85 5A8000	DC85 5A8000

15	SCAPSWAP C 001 0004 2146
	SCAPS32K C 001 0010 1729
	SCAPS48K C 001 0018 1728
16	SCAPS64K C 001 0020 1727
	SCAPS96K C 001 0030 1726
	SCAPTRACT C 001 0001 2032
17	SCAPTELL C 001 0001 1981
	SCAPTOLD C 001 0002 1980
	SCAPUASF C 001 0002 2231
18	SCAPMHL D C 001 0080 2181
	SCAPMDMR C 001 0004 1805
	SCAPMDMX C 001 0008 1804
19	SCAPMSCB C 001 0040 2046
	SCAPMSE C 001 0010 1967
	SCAPMTC C 001 0004 1927
20	

15	SCASSTWA C 001 001A 1851
	SCASTOPS C 001 0080 2213
	SCASMSG C 001 003E 1875
16	SCASYS C 001 0000 1714
	SCASYS1 C 001 005B 1911
	SCASYS2 C 001 005C 1921
17	SCATMRSZ C 001 001C 1852
	SCAUSERB C 001 0049 1888
	SCAZKRD C 001 000B 1731
18	SCAZKOK C 001 0000 1732
	SCAZSPIN C 001 0080 1748
	SCAZSPIN C 001 0020 1749
19	SCAMSPIN C 001 0010 1750
	SEC C 001 008E 8667
	SESSION C 001 0095 8247
20	

H09

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31470000
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31490000
31500000
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31540000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 222 V09/11/81 12/05/81 12:00
02		8859 *		HETBL V-DC,NAME-ELSE,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,SPLIT-Y,	31550000
		8860 *		MASK-01111111111100000000001,ROLL-Y	31560000
03	E1C0 F4	E1C0 8861	EQU 209	TABLE ENTRY NUMBER	
	E1C1 04	E1C1 8862	DC	AL1(128+64+32+16+0+4) CTRL CODE	
	E1C2 0000	E1C3 8863	DC	AL1(0+0+4) FORMAT TYPE BYTE	
04	E1C4 00	E1C3 8864	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	E1C5 7FF001	E1C4 8865	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1C7 8866	DC	BL3'0111111111110000000001' 960 SCREEN MASK	
05		8868 ***		END OF EXPANSION **	
		8869 *		HETBL V-DC,NAME-GOTO,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,	31570000
		8870 *		MASK-01111011011101101000000	31580000
06	E1C8 80	E1C8 8871	EQU 210	TABLE ENTRY NUMBER	
	E1C9 04	E1C9 8872	DC	AL1(128+0+32+16+0+0) CTRL CODE	
	E1CA 0000	E1C9 8873	DC	AL1(0+0+4) FORMAT TYPE BYTE	
07	E1CC 00	E1C8 8874	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	E1CD 7B7680	E1CC 8875	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1CF 8876	DC	BL3'011110110111011010000000' 960 SCREEN MASK	
08		8878 ***		END OF EXPANSION **	
		8879 *		HETBL V-DC,NAME-RESET,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,	31590000
		8880 *		MASK-01111111111100000000000	31600000
09		0003 8881	EQU 211	TABLE ENTRY NUMBER	
10	E1D0 80	E1D0 8882	DC	AL1(128+0+32+16+0+0) CTRL CODE	
	E1D1 04	E1D1 8883	DC	AL1(0+0+4) FORMAT TYPE BYTE	
	E1D2 0000	E1D3 8884	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
11	E1D4 00	E1D4 8885	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	E1D5 7FF800	E1D7 8886	DC	BL3'0111111111110000000000' 960 SCREEN MASK	
12		8888 ***		END OF EXPANSION **	
		8889 *		HETBL V-DC,NAME-RETURN,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,	31610000
		8890 *		MASK-011111011011011000000001	31620000
13	E1D8 80	E1D8 8891	EQU 212	TABLE ENTRY NUMBER	
	E1D9 04	E1D8 8892	DC	AL1(128+0+32+16+0+0) CTRL CODE	
	E1DA 0000	E1D9 8893	DC	AL1(0+0+4) FORMAT TYPE BYTE	
14	E1DC 00	E1D8 8894	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	E1DD 70DC01	E1DC 8895	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		E1DF 8896	DC	BL3'011111011011011000000001' 960 SCREEN MASK	
15		8898 ***		END OF EXPANSION **	
16		8900 *****		*****	31640000
		8901 *		*	31650000
		8902 *		THE END OF THE TABLE IS CONTAINED IN SHET9 AND SHETA, WHICH *	31660000
		8903 *		IS INCLUDED HERE.	31670000
		8904 *		*	31680000
		8905 *****		*****	31690000

01				\$HELP SYSTEM/34 HELP UTILITY	
02					89
					89
03					89
					89
04					EBFO 89
					EBFO 89
					ECFO 89
05					EDF8 89
					EDFF 89
06					C807 89
07				LENGTH OF MODULE IS	6624
08					
09					
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G09

9/11/81 12/05/81 12:00
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28986000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HELP SYSTEM/34 HELP UTILITY	PAGE 186 V09/11/81 12/05/81 12:00
02		7144 *		HETBL V-DC,NAME-JOBSTR,PRIME-Y,TYPE-1,MAND-100000000,	29010000
		7145 *		MASK-01011010101010101010001	29020000
03	DC80 80	DC80 7146	EQU 41	TABLE ENTRY NUMBER	
	DC81 01	DC81 7147	DC	AL1(128+0+0+0+0+0) CTRL CODE	
	DC82 8000	DC81 7148	DC	AL1(0+0+1) FORMAT TYPE BYTE	
04	DC84 00	DC83 7149	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	DC85 5A081	DC84 7150	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		DC87 7151	DC	BL3'01011010101010101010001' 960 SCREEN MASK	

01				\$HELP SYSTEM/34 HELP UTILITY	
02					71
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03	DCAB 00				002E 71
	DCAC 00				DCAB 71
	DCAD 01				DCAB 71
	DCAE 0000				DCAC 72
04	DCAF 00				DCAC 72
	DCAG 00000				DCAF 72

15	TCBECMER C 001 002F 2568	
	TCBECMGW C 001 002B 2562	
	TCBEXIT C 001 005F 2580 2581 2582	
16	TCBEXTRA C 001 0020 2484	
	TCBFORCD C 001 0020 2434	
	TCBFSWAP C 001 0004 2438	
17	TCBFWAIT C 001 0002 2466	
	TCBGMWIT C 001 0020 2446 2453	
	TCBHDMPT C 001 0002 2638	
18	TCBICXWJ C 001 0004 2476	
	TCBIDACT C 001 00E4 2598	
	TCBIDBEL C 001 00EE 2608	
19	TCBIDBLD C 001 00F9 2620	
	TCBIDBSC C 001 00F5 2615	
	TCBIDBTS C 001 00E6 2600	
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15	TCBLCKS1 C 001 0010 2588	
	TCBLDISK C 001 005A 2576	
	TCBLDREL C 001 0057 2574	
16	TCBLEN C 001 0080 2705	
	TCBLINMT C 001 0040 2472	
	TCBLONGW C 001 0010 2435	
17	TCBMPBTM C 001 0010 2646	
	TCBMAXID C 001 00E0 2625	
	TCBMIC C 001 0057 2575	
18	TCBMPRTM C 001 0072 2655	
	TCBMSAFL C 001 0008 2647	
	TCBMSI2 C 001 002C 2563	
19	TCBMSTAB C 001 0004 2648	
	TCBDUMP C 001 0008 2668	
20	TCBNDIO C 001 0002 2439	

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					PAGE 226 V09/11/81 12/05/81 12:00
CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
03	\$DFNAM	C	001	0019	0274 0275
	\$DFOPC	C	001	0008	0268 0269
	\$DFRCL	C	001	0011	0273 0274
04	\$DFUPS	C	001	0003	0263 0264
	\$DFWKB	C	001	0009	0266 0267
	\$FDCONTL	C	001	00A0	0574
	\$FDDATA	C	001	0000	0589
05	\$FDENQ	C	001	0008	0564
	\$FDEQUAL	C	001	0000	0598
	\$FDHIGH	C	001	0002	0600
06	\$FDLOW	C	001	0001	0599
	\$FDMSS	C	001	0020	0562
	\$FDMER	C	001	0080	0560
07	\$FDMLOG	C	001	0010	0563
	\$FDMORM	C	001	0040	0542
	\$FDMRET	C	001	0040	0561
08	\$FDMWR	C	001	0002	0566
	\$FDPERR	C	001	0041	0544
	\$FDRREAD	C	001	00A1	0575
09	\$FDRSRV2	C	001	0004	0565
	\$FDRSRV3	C	001	0001	0567
	\$FDSKAN	C	001	00A3	0577
10	\$FDSCEQ	C	001	0044	0546
	\$FDSCHT	C	001	0040	0543
	\$FDSCHN	C	001	0042	0545
11	\$FDSSEEK	C	001	0000	0585
	\$FDVER	C	001	0003	0594
	\$FDWRAP	C	001	0080	0590
12	\$FDWRITE	C	001	00A2	0576
	\$FDXLATE	C	001	0040	0530
	\$HELP	A	001	C800	0181
13	\$HEDX	E	001	0003	0207
	\$HETA	E	001	0002	0205
	\$HET9	E	001	0001	0203
14	\$INFBUFF	C	001	0003	1105 1106
	\$INFCD	C	001	0010	1102
	\$INFCTIB	C	001	000A	1089
15	\$INFDISP	C	001	0008	1122
	\$INFDTM	C	001	0040	1114
	\$INFFRMT	C	001	0001	1067
16	\$INFFUNC	C	001	0000	1061 1066
	\$INFID	C	001	0005	1106 1110
	\$INFIDNF	C	001	0020	1116
17	\$INFIND	C	001	0005	1077
	\$INFLANG	C	001	0006	1081
	\$INFLEN	C	001	0007	1120 1122
18	\$INFLINE	C	001	0000	1096
	\$INFLOC	C	001	0009	1087 6308
	\$INFPRM	C	001	000C	1094
19	\$INFNEP	C	001	0008	1091
	\$INFNTM	C	001	0080	1112
20	\$INFPOAT	C	001	0002	1071

01					
02	SYMBOL	T	LEN	VALUE	DEFN
03	\$INFPRG1	C	001	0007	1083
	\$INFPRG2	C	001	0008	1085
	\$INFPRG3	C	001	0010	1118
04	\$INFPUT	C	001	0080	1062
	\$INFREQ	C	001	0001	1066
	\$INFRET	C	001	0006	1110
	\$INFSDAT	C	001	0003	1073
05	\$INFSLC	C	001	0000	1111
	\$INFTHID	C	001	0040	1064
06	\$INFUDAT	C	001	000F	1100
	\$INFUPS1	C	001	0004	1075
	\$INFUSR1	C	001	000E	1098
07	\$IOBOCB	C	001	0016	0508
	\$IOBOCMD	C	001	0003	0491
	\$IOBOCMP	C	001	0001	0489
	\$IOBODAT	C	001	0007	0494
08	\$IOBODCH	C	001	001D	0515
	\$IOBODTF	C	001	001F	0516
	\$IOBODCM	C	001	0000	0488
09	\$IOBODERR	C	001	0012	0504
	\$IOBODFLG	C	001	0002	0490
10	\$IOBODFL2	C	001	0009	0496
	\$IOBOLEN	C	001	001C	0511
	\$IOBODLSP	C	001	0018	0510
	\$IOBODRDR	C	001	0004	0492
11	\$IOBODNB	C	001	0008	0495
	\$IOBODRSV	C	001	0013	0505
	\$IOBODRS2	C	001	0014	0506
12	\$IOBODRS3	C	001	0015	0507
	\$IOBODS80	C	001	000A	0497
	\$IOBODS82	C	001	000C	0499
13	\$IOBODS83	C	001	0000	0500
	\$IOBODS84	C	001	000E	0501
	\$IOBODS85	C	001	000F	0502
14	\$IOBODSS	C	001	0018	0509
	\$IOBODTCB	C	001	0011	0503
	\$IOBODUAD	C	001	0005	0493
15	\$IOBODS81	C	001	0008	0498
	\$IGDACT	C	001	000A	0694
	\$IGDADOR	C	001	0005	0768
16	\$IGDCOMI	C	001	0005	0688
	\$IGDORAD	C	001	0000	0723
	\$IGDORLN	C	001	0008	0721
17	\$IGDFNC1	C	001	0000	0620
	\$IGDFNC2	C	001	0000	0752
	\$IGDFNC3	C	001	0001	0641
18	\$IGDFNC4	C	001	0001	0755
	\$IGDLEN	C	001	0003	0766
	\$IGDMIC	C	001	0009	0692
19	\$IGDPMEM	C	001	0002	0659
	\$IGDPAGE	C	001	0002	0757
20	\$IGDPRID	C	001	0003	0668

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	\$HELP SYSTEM/34 HELP UTILITY				PAGE 190 V09/11/81 12/05/81 12:00
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02		7348 *		HETBL V-DC, NAME-POST5, TYPE-1, MAND-0100000000,	29328100
		7349 *		MASK-000000010101010101010101	29329000
03	DD20 00	DD20 7351	DC	AL1(0+0+0+0+0) CTRL CODE	
	DD21 01	DD21 7352	DC	AL1(0+0+1) FORMAT TYPE BYTE	
04	DD22 4000	DD23 7353	DC	BL2'0100000000000000' MANDATORY FIELD MASK	
	DD24 00	DD24 7354	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	

01					
02					
03	DD48 80				DD48
	DD49 01				DD49
	DD4A 0000				DD4A
04	DD4C 00				DD4C

15	TCBLCK51 C 001 0010 2588		
	TCBLDISK C 001 005A 2576 2577 2578		
	TCBLDREL C 001 0057 2574 2575 2576		
16	TCBLEN C 001 0080 2705		
	TCBLINMT C 001 0040 2472		
	TCBLONGW C 001 0010 2435		
17	TCBMBATM C 001 0010 2646		
	TCBMAXID C 001 00E0 2625		
	TCBMIC C 001 0057 2575		
18	TCBMRTPX C 001 0072 2655 2656		
	TCBMSAFL C 001 0008 2647		
	TCBMSSTZ C 001 002C 2563 2564		
19	TCBMYTAB C 001 0004 2648		
	TCBNDUMP C 001 0008 2668		
20	TCBNIO C 001 0002 2439		

15	TCBPUSH C 001 0008 26		
	TCBQNT C 001 0007 26		
	TCBQAIT C 001 0008 26		
16	TCBRDYQ C 001 000F 26		
	TCBRGSI2 C 001 0020 26		
	TCBRSE C 001 0027 26		
17	TCBRUB C 001 0013 26		
	TCBRJAIT C 001 0004 26		
	TCBSTAC C 001 0002 26		
18	TCBSTSO C 001 0040 26		
	TCBSFILK C 001 0010 26		
	TCBSHARC C 001 0080 26		
19	TCBSIAR C 001 0059 26		
	TCBSMFDN C 001 0080 26		
20	TCBSMPT C 001 007C 26		

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01	CROSS-REFERENCE			
02	SYMBOL	T LEN	VALUE DEFN REFERENCES	
03	\$INFPRG1 C 001 0007 1083			
	\$INFPRG2 C 001 0008 1085			
	\$INFPR3 C 001 0010 1118			
04	\$INFPUT C 001 0080 1062 6307			
	\$INFREQ C 001 0001 1066 1105			
	\$INFRET C 001 0006 1110 1120			
05	\$INFSDAT C 001 0003 1073			
	\$INFSDUC C 001 0000 1111			
	\$INFTHID C 001 0040 1064			
	\$INFUDAT C 001 000F 1100			
06	\$INFUPI C 001 0004 1075			
	\$INFUSR1 C 001 000E 1098			
07	\$IOBDCB C 001 0016 0508			
	\$IOBDCMD C 001 0003 0491			
	\$IOBDCMP C 001 0001 0489			
	\$IOBDDAT C 001 0007 0494 4506			
08	\$IOBDDCH C 001 001D 0515			
	\$IOBDDTF C 001 001F 0516			
	\$IOBDECM C 001 0000 0488			
09	\$IOBDERR C 001 0012 0504			
	\$IOBDFLG C 001 0002 0490			
	\$IOBDFL2 C 001 0009 0496			
10	\$IOBDLEN C 001 001C 0511			
	\$IOBDLSP C 001 001B 0510 0511			
	\$IOBDMDR C 001 0004 0492			
11	\$IOBDNB C 001 0008 0495			
	\$IOBDRSV C 001 0013 0505			
	\$IOBDRS2 C 001 0014 0506			
12	\$IOBDRS3 C 001 0015 0507			
	\$IOBDRS0 C 001 000A 0497			
	\$IOBDSB2 C 001 000C 0499			
13	\$IOBDSB3 C 001 000D 0500			
	\$IOBDSB4 C 001 000E 0501			
	\$IOBDSB5 C 001 000F 0502			
14	\$IOBDS5 C 001 0018 0509 4502* 4527			
	\$IOBDTCB C 001 0011 0503			
	\$IOBDUAD C 001 0005 0493			
15	\$IOBDSB1 C 001 0008 0498			
	\$IGDACT C 001 000A 0694 0706 0707 0721 0732			
	\$IGDADDR C 001 0005 0768 0770 0771 0777			
16	\$IGDCOM1 C 001 0005 0688 0690			
	\$IGDDRAD C 001 000D 0723 0725 0726 0743			
	\$IGDORLN C 001 0008 0721 0723			
17	\$IGDFNC1 C 001 0000 0620 0641			
	\$IGDFNC2 C 001 0000 0752 0755			
	\$IGDFNC3 C 001 0001 0641 0659			
18	\$IGDFNC4 C 001 0001 0755 0757			
	\$IGDLEN C 001 0003 0766 0768			
	\$IGDMIC C 001 0009 0692 0694 6062*			
19	\$IGDMMEM C 001 0002 0659 0668			
	\$IGDPAGE C 001 0002 0757 0766			
20	\$IGDPRID C 001 0003 0668 0688			

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01				
02	SYMBOL	T LEN	VALUE D	
03	\$IGDSBC1 C 001 000C 0			
	\$IGDSBC2 C 001 0007 0			
	\$IGDSBC3 C 001 000F 0			
04	\$IGDSBC4 C 001 0017 0			
	\$IGDSC1R C 001 000F 0			
	\$IGDSC2R C 001 000A 0			
05	\$IGDSUB1 C 001 0007 0			
	\$IGDTB1R C 001 000F 0			
	\$IGDTB2R C 001 000A 0			
06	\$IGDTUB2 C 001 0007 0			
	\$IGDTUB3 C 001 000F 0			
	\$IGDTUB4 C 001 0017 0			
07	\$IGD1ADR C 001 000F 0			
	\$IGD1LEN C 001 000D 0			
	\$IGD2DRA C 001 0008 0			
08	\$IGD2DRL C 001 0006 0			
	\$IGD3ADR C 001 000D 0			
	\$IGD3LEN C 001 0008 0			
09	\$IGD0BYT C 001 0015 0			
	\$IGLACT C 001 0001 0			
	\$IGLADDR C 001 0002 0			
10	\$IGLCOM1 C 001 0002 0			
	\$IGLDRAD C 001 0002 0			
	\$IGLORLN C 001 0001 0			
11	\$IGLFNC1 C 001 0001 0			
	\$IGLFNC2 C 001 0001 0			
	\$IGLFNC3 C 001 0001 0			
12	\$IGLFNC4 C 001 0001 0			
	\$IGLLEN C 001 0001 0			
	\$IGLMIC C 001 0002 0			
13	\$IGLMMEM C 001 0001 0			
	\$IGLPAGE C 001 0001 0			
	\$IGLPRID C 001 0001 0			
14	\$IGLSUB1 C 001 0002 0			
	\$IGLTB1R C 001 0002 0			
	\$IGLTB2R C 001 0002 0			
15	\$IGLTUB1 C 001 0002 0			
	\$IGLTUB2 C 001 0002 0			
	\$IGLTUB3 C 001 0002 0			
16	\$IGLTUB4 C 001 0002 0			
	\$IGLT1LN C 001 000D 0			
	\$IGLT1RL C 001 0010 0			
17	\$IGLT1VL C 001 0010 0			
	\$IGLT2LN C 001 0008 0			
	\$IGLT2RL C 001 0008 0			
18	\$IGLT3LN C 001 0010 0			
	\$IGLT4LN C 001 0018 0			
	\$IGLT1ADR C 001 0002 0			
19	\$IGL1LEN C 001 0001 0			
	\$IGL2DRA C 001 0002 0			
20	\$IGL2DRL C 001 0001 0			

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29329000	

01	\$HELP SYSTEM/34 HELP UTILITY			
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
		7399 *	HETBL V-DC,NAME-PRMENU,PRIME-Y,TYPE-1, 29350000	
		7400 *	MASK-0101110100000000111111 29360000	
03	DD48 80	DD48 7402	DC AL1(128+0+0+0+0) CTRL CODE	
	DD49 01	DD49 7403	DC AL1(0+0+1) FORMAT TYPE BYTE	
	DD4A 0000	DD48 7404	DC BL2'0000000000000000' MANDATORY FIELD MASK	
04	DD4C 00	DD4C 7405	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	DD4D 5E802F	DD4E 7406	DC BL3'0101110100000000111111 000 00000000	

01	\$HELP SYSTEM/34 HELP UTILITY			
02	ERR LOC OBJECT CODE			
03	DD70 80			
	DD71 01			
	DD72 8000			
04	DD74 00			
	DD75 5E802F			

15	TCBPUSH	C	001	0008	2535	2536	
	TCBQNT	C	001	0007	2531	2532	
	TCBQWAT	C	001	0008	2461		
16	TCBRDYQ	C	001	000F	2537	2538 2539	
	TCBRGSLZ	C	001	002D	2564	2567	
	TCBRSE	C	001	0027	2556	2560	
17	TCBRTUB	C	001	0013	2540	2543 3464	
	TCBRWAT	C	001	0004	2465		
	TCBSOTAC	C	001	0002	2684		
18	TCBSOTSO	C	001	0040	2681		
	TCBSFILK	C	001	0010	2667		
	TCBSHRC	C	001	0080	2631		
19	TCBSIAR	C	001	0059	2577		
	TCBSMFDN	C	001	0080	2695		
	TCBSMFT	C	001	007C	2691	2698	
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15	TCBWAITD	C	001	0080	2444		
	TCBWOSP	C	001	0001	2685		
	TCBWMASK	C	001	0002	2455		
16	TCBWMASK2	C	001	0003	2469		
	TCBWSILK	C	001	0004	2669		
	TCBUSWA	C	001	0055	2573		
17	TCBWAIT	C	001	0010	2460		
	TCBX	C	001	007D	2698		
	TCBNQ	C	001	0011	2539		
18	TCBWAIT	C	001	0040	2445		
	TCB22PCS	C	001	0008	2635		
	THREE	C	001	0003	0933		
19	TIME	C	001	0078	7951		
	TOLBR	C	001	0057	7615		
	TOLBR2	C	001	0058	7625		
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7	V09/11/81	12/05/81	12:00
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		PAGE 228		V09/11/81	12/05/81	12:00
CROSS-REFERENCE						
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
02	\$LGD5BC1	C	001	000C	0707	
03	\$LGD5BC2	C	001	0007	0771	
	\$LGD5BC3	C	001	000F	0737	
	\$LGD5BC4	C	001	0017	0746	
04	\$LGD5C1R	C	001	000F	0726	
	\$LGD5C2R	C	001	000A	0782	
	\$LGD5UB1	C	001	0007	0690	0692
05	\$LGD7B1R	C	001	000F	0725	0728
	\$LGD7B2R	C	001	000A	0781	0754
	\$LGD7UB1	C	001	000C	0706	0709 0713
06	\$LGD7UB2	C	001	0007	0770	0773
	\$LGD7UB3	C	001	000F	0736	0739
	\$LGD7UB4	C	001	0017	0745	0748
07	\$LGD1ADR	C	001	000F	0715	0717
	\$LGD1LEN	C	001	000D	0713	0715
	\$LGD2DRA	C	001	0008	0779	0781 0782
08	\$LGD2DRL	C	001	0006	0777	0779
	\$LGD3ADR	C	001	000D	0734	0736 0737
	\$LGD3LEN	C	001	0008	0732	0734
09	\$LGD8BYT	C	001	0015	0743	0745 0746 6224
	\$LGLACT	C	001	0001	0695	
	\$LGLADDR	C	001	0002	0769	
10	\$LGLCOM1	C	001	0002	0689	
	\$LGLDRAD	C	001	0002	0724	
	\$LGLDRLN	C	001	0001	0722	
11	\$LGLFNC1	C	001	0001	0621	
	\$LGLFNC2	C	001	0001	0753	
	\$LGLFNC3	C	001	0001	0642	
12	\$LGLFNC4	C	001	0001	0756	
	\$LGLLEN	C	001	0001	0767	
	\$LGLNIC	C	001	0002	0693	
13	\$LGLMEM	C	001	0001	0660	
	\$LGLPAGE	C	001	0001	0758	
	\$LGLPRID	C	001	0001	0669	
14	\$LGLSUB1	C	001	0002	0691	
	\$LGLTB1R	C	001	0002	0727	
	\$LGLTB2R	C	001	0002	0783	
15	\$LGLTUB1	C	001	0002	0708	
	\$LGLTUB2	C	001	0002	0772	
	\$LGLTUB3	C	001	0002	0738	
16	\$LGLTUB4	C	001	0002	0747	
	\$LGLT1LN	C	001	000D	0709	
	\$LGLT1RL	C	001	0010	0728	
17	\$LGLT1VL	C	001	0010	0717	
	\$LGLT2LN	C	001	0008	0773	
	\$LGLT2RL	C	001	0008	0784	
18	\$LGLT3LN	C	001	0010	0739	
	\$LGLT4LN	C	001	0018	0748	
	\$LGLTADR	C	001	0002	0716	
19	\$LGLILEN	C	001	0001	0714	
	\$LGLZDRA	C	001	0002	0780	
20	\$LGLZDRL	C	001	0001	0778	

01	SYMBOL	T	LEN	VALUE	DEFN	
02	\$LGL3ADR	C	001	0002	0735	
03	\$LGL3LEN	C	001	0001	0733	
	\$LGL8BYT	C	001	0008	0744	
	\$LGMAGIN	C	001	0040	0698	
04	\$LGMASS	C	001	0008	0677	
	\$LGMAUTO	C	001	0003	0672	
	\$LGMASC	C	001	000D	0682	
05	\$LGMCAN	C	001	002D	0699	
	\$LGMCL	C	001	000C	0681	
06	\$LGMICL	C	001	0002	0704	
	\$LGMICRT	C	001	0001	0636	
	\$LGMIDTR	C	001	002D	0626	
07	\$LGMIDFU	C	001	0006	0675	
	\$LGMIDSSA	C	001	0010	0650	
08	\$LGMIEU	C	001	000E	0683	
	\$LGMIEQJ	C	001	0010	0700	
	\$LGMIESU	C	001	0011	0686	
	\$LGMIFOR	C	001	0009	0678	
09	\$LGMIFMT	C	001	0008	0630	
	\$LGMIALT	C	001	0010	0628	
	\$LGMIHIST	C	001	0002	0634	
10	\$LGMIGNR	C	001	0080	0697	
	\$LGMIMED	C	001	0080	0662	
	\$LGMIPPG	C	001	0010	0663	
11	\$LGMISGN	C	001	0080	0622	
	\$LGMISSP	C	001	0020	0661	
	\$LGMISEU	C	001	0008	0664	
12	\$LGMISOWT	C	001	0020	0647	
	\$LGMISRD	C	001	0012	0687	
	\$LGMISPRC	C	001	0008	0702	
13	\$LGMISPL3	C	001	0004	0653	
	\$LGMISPPG	C	001	0002	0671	
14	\$LGMISCR1	C	001	0008	0652	
	\$LGMISDA	C	001	0008	0680	
	\$LGMISEU	C	001	0004	0673	
15	\$LGMISKIP	C	001	00F0	0759	
	\$LGMISORT	C	001	0005	0674	
16	\$LGMISPC1	C	001	0001	0763	
	\$LGMISPC2	C	001	0002	0764	
	\$LGMISPC3	C	001	0003	0765	
	\$LGMISRT	C	001	0010	0685	
17	\$LGMISUBC	C	001	0002	0654	
	\$LGMITERM	C	001	0001	0705	
18	\$LGMTUB	C	001	0080	0643	
	\$LGMTYP2	C	001	0000	0754	
19	\$LGMUSER	C	001	000A	0679	
	\$LGMVARI	C	001	0040	0645	
	\$LGMVIRT	C	001	0040	0624	
20	\$LGMVUSU	C	001	0007	0676	

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01	V09/11/81	12/05/81	12:00
02	29350000		
	29360000		
03			
04			

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\$HELP SYSTEM/34 HELP UTILITY						
01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02			7450 *		HETBL V-DC, NAME-RELOAD, PRIME-Y, TYPE-1, MAND-100000000,	29450000
			7451 *		MASK-010111010101010100000111	29460000
			0047	7452	RELOAD EQU 71	TABLE ENTRY NUMBER
03	DD70	80	DD70	7453	DC AL1(128+0+0+0+0+0)	CTRL CODE
	DD71	01	DD71	7454	DC AL1(0+0+1)	FORMAT TYPE BYTE
	DD72	8000	DD73	7455	DC BL2'1000000000000000'	MANDATORY FIELD MASK
04	DD74	00	DD74	7456	DC AL1(*)	SUBROUTINE TABLE DISPLACEMENT

01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	DD99	01				DD
	DD9A	0000				DD
	DD9C	00				DD
03	DD9D	00AAOF				DD
04						

15	TCBWAITD C 001 0080 2444 2453
	TCBWIOSP C 001 0001 2685
	TCBWMASK C 001 0002 2455 2469
16	TCBWMASK2 C 001 0003 2469 2480
	TCBWSILK C 001 0004 2669
	TCBWSWA C 001 0055 2573 2574
17	TCBWAUIT C 001 0010 2460
	TCBX C 001 007D 2698 2700
	TCBXNTQ C 001 0011 2539 2540
18	TCBXWALT C 001 0040 2445
	TCB22RCS C 001 0008 2635
	THREE C 001 0003 0933 5200 5383 5868 5933
19	TIME C 001 0078 7951
	TOLIBR C 001 0057 7615
	TOLIBR2 C 001 0058 7625
20	

15	TUBROSN C 001 0062 284
	TUBSDUK C 001 0006 294
	TUBSREAL C 001 0040 279
16	TUBSSTR C 001 0007 285
	TUBSSAVE C 001 0002 284
	TUBSSAVS C 001 0006 284
17	TUBSSKIP C 001 0080 279
	TUBSTANZ C 001 00E0 297
	TUBSUERP C 001 0080 281
18	TUBSVH C 001 0010 282
	TUBABTRM C 001 0001 309
	TUBACN C 001 0040 303
19	TUBAID C 001 0025 302
	TUBALRM C 001 0080 313
	TUBAPRNT C 001 003E 311
20	

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CROSS-REFERENCE				
02	SYMBOL	T	LEN	VALUE DEFN REFERENCES
03	\$LGL3ADR	C	0001	0735
	\$LGL3LEN	C	0001	0733
	\$LGL8BYT	C	0008	0744
04	\$LGMAGIN	C	0040	0698
	\$LGMASS	C	0008	0677
	\$LGMAUTO	C	0003	0672
05	\$LGMASC	C	0000	0682
	\$LGMANC	C	0020	0699
	\$LGMABL	C	000C	0681
06	\$LGMCGU	C	000F	0684
	\$LGMCNCL	C	0002	0704
	\$LGMCRT	C	0001	0636
07	\$LGMDATR	C	0020	0626
	\$LGMDFU	C	0006	0675
	\$LGMDSO	C	0010	0650
08	\$LGMEMU	C	000E	0683
	\$LGMEDJ	C	0010	0700
	\$LGMESU	C	0011	0686
	\$LGMFOR	C	0009	0678
09	\$LGMFRMT	C	0008	0630
	\$LGMHALT	C	0010	0628
	\$LGMHIST	C	0002	0634
10	\$LGMIGNR	C	0080	0697
	\$LGMHED	C	0080	0662
	\$LGMHPRG	C	0010	0663
11	\$LGMHSGM	C	0080	0622
	\$LGMHSSP	C	0020	0661
	\$LGMHUSE	C	0008	0664
12	\$LGMHOUT	C	0020	0647
	\$LGMHWD	C	0012	0687
	\$LGMHPRC	C	0008	0702
13	\$LGMHUL3	C	0004	0653
	\$LGMHPRG	C	0002	0671
	\$LGMHTRY	C	0004	0703
14	\$LGMHSCRI	C	0008	0652
	\$LGMHSDA	C	0008	0680
	\$LGMHSEU	C	0004	0673
15	\$LGMHSKIP	C	00F0	0759
	\$LGMHSHORT	C	0005	0674
16	\$LGMHSPC1	C	0001	0763
	\$LGMHSPC2	C	0002	0764
	\$LGMHSPC3	C	0003	0765
	\$LGMHSHORT	C	0010	0685
17	\$LGMHSSP	C	0001	0670
	\$LGMHSUBC	C	0002	0654
	\$LGMHTERM	C	0001	0705
18	\$LGMHTUB	C	0080	0643
	\$LGMHTYP2	C	0000	0754
	\$LGMHUSER	C	000A	0679
19	\$LGMHWARI	C	0040	0645
	\$LGMHWSRT	C	0040	0624
20	\$LGMHWSU	C	0007	0676

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\$HELP SYSTEM/34 HELP UTILITY				
01	ERR	LOC	OBJECT	CODE ADDR STMT SOURCE STATEMENT
02	DD99	01		DD99 7504 DC AL1(0+0+1) FORMAT TYPE BYTE
	DD9A	0000		DD9B 7505 DC BL2'0000000000000000' MANDATORY FIELD MASK
	DD9C	00		DD9C 7506 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
03	DD9D	00AA0F		DD9F 7507 DC BL3'000000001010101000001111' 960 SCREEN MASK
04				7509 *** END OF EXPANSION **

\$HELP SYSTEM/34 HELP UTILITY

01	ERR	LOC	OBJECT	CODE
02				
03	DDA0	00		DDA1 01
	DDA2	0000		DDA4 00
04				

15	TUBSRDSN C 001 0062 2848
	TUBSRDUK C 001 0006 2942
16	TUBSREAL C 001 0040 2796
	TUBSRSTR C 001 0007 2850
	TUBSSAVE C 001 0002 2846
17	TUBSSAVS C 001 0006 2847
	TUBSSKIP C 001 0080 2795
	TUBSTANZ C 001 00E0 2974
18	TUBSUERP C 001 0080 2818
	TUBSVH C 001 0010 2821
	TUBABTRM C 001 0001 3096
	TUBACN C 001 0040 3035
19	TUBAID C 001 0025 3024 3025
	TUBALRM C 001 0080 3130
	TUBAPRNT C 001 003E 3110 3111
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15	TUBSRDSN C 001 0062 2848
	TUBSRDUK C 001 0006 2942
16	TUBSREAL C 001 0040 2796
	TUBSRSTR C 001 0007 2850
	TUBSSAVE C 001 0002 2846
17	TUBSSAVS C 001 0006 2847
	TUBSSKIP C 001 0080 2795
	TUBSTANZ C 001 00E0 2974
18	TUBSUERP C 001 0080 2818
	TUBSVH C 001 0010 2821
	TUBABTRM C 001 0001 3096
	TUBACN C 001 0040 3035
19	TUBAID C 001 0025 3024 3025
	TUBALRM C 001 0080 3130
	TUBAPRNT C 001 003E 3110 3111
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15	TUBCHD22 C 001 0
	TUBCHD23 C 001 0
16	TUBCHD24 C 001 0
	TUBCHD3 C 001 0
	TUBCHD4 C 001 0
17	TUBCHD5 C 001 0
	TUBCHD6 C 001 0
	TUBCHD7 C 001 0
18	TUBCHD8 C 001 0
	TUBCHD9 C 001 0
	TUBCHD0 C 001 0
19	TUBCHD00 C 001 0
	TUBCHD01 C 001 0
	TUBCHD02 C 001 0
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CROSS-REFERENCE	
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\$HELP SYSTEM/34 HELP UTILITY	
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\$HELP SYSTEM/34	
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15	TUBCMD21 C 001 0001 3176			
	TUBCMD22 C 001 0002 3175			
	TUBCMD23 C 001 0004 3174			
	TUBCMD24 C 001 0008 3173			
16	TUBCMD3 C 001 0004 3165	4693		
	TUBCMD4 C 001 0008 3164			
	TUBCMD5 C 001 0010 3163			
	TUBCMD6 C 001 0020 3162			
17	TUBCMD7 C 001 0040 3161			
	TUBCMD8 C 001 0080 3160			
	TUBCMD9 C 001 0010 3172			
18	TUBCMD0 C 001 0003 2827	2840 2842		
	TUBCMD0D C 001 0004 2842	2853		
	TUBCMSK C 001 0050 3186	3187		
19	TUBCMSK1 C 001 004E 3159	3168 4693*		
	TUBCMSK2 C 001 004F 3168	3177		
20				

15	TUBIIPS C 001 0020 3069			
	TUBIQMP C 001 0010 3081			
	TUBJCB0 C 001 0032 3029			
16	TUBKBULK C 001 0001 3107			
	TUBKDPLY C 001 0080 3216			
	TUBKKB0 C 001 0040 3217			
	TUBKPATR C 001 0080 3269			
17	TUBLEN C 001 0060 3238			
	TUBLIOER C 001 0004 3124			
	TUBLIOFR C 001 0002 3040			
18	TUBLIOIP C 001 0002 3125			
	TUBLIOS C 001 0002 3084			
	TUBLOP C 001 0020 3091			
19	TUBLTOFF C 001 0040 3131			
	TUBMBDCF C 001 0010 3103			
20				

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				
03	\$WSGTA	C 001	000C	0417
	\$WSHALT	C 001	0080	0297
	\$WSHELP	C 001	0002	0478
04	\$WSHIINT	C 001	0002	0862
	\$WSIGC	C 001	0008	0476
	\$WSIND0	C 001	002E	0324 0325
	\$WSINL	C 001	0038	0327 0328 0329 4175*
05	\$WSINV	C 001	0005	0410 0412 0424 0427 0430
	\$WSINXA	C 001	0021	0310 0311
	\$WSIOPC	C 001	0027	0316 0317 0318 4643* 4722*
06	\$WSKBD	C 001	0012	0346
	\$WSKMSK	C 001	003B	0330 0331 4178* 4700*
	\$WSLGTB	C 001	0044	0336
07	\$WSNAME	C 001	003A	0329 0330 4566*
	\$WSNODIS	C 001	0007	0866
	\$WSNOW	C 001	0004	0409 0410 0411
08	\$WSNRP	C 001	0020	0445
	\$WSNRPG	C 001	0021	0447
	\$WSNRPI	C 001	0025	0446
09	\$WSOCINV	C 001	0020	0381
	\$WSOINV	C 001	0010	0380
	\$WSOPC	C 001	001D	0306 0307 4140* 4173* 4635* 4675* 4697* 4713* 6020* 6042*
10	\$WSOPD	C 001	000B	0288 0289
	\$WSOPM	C 001	001C	0305 0306 4129* 4170* 4634* 4672* 4712* 6041*
	\$WSOUTL	C 001	001F	0307 0308 4142* 6022* 6044*
11	\$WSOVR	C 001	0040	0388
	\$WSPEC	C 001	0042	0436
	\$WSPEF	C 001	0022	0437
12	\$WSPEX	C 001	001A	0441
	\$WSPFM	C 001	0012	0438
	\$WSPFMG	C 001	0013	0440
13	\$WSPFMI	C 001	0017	0439
	\$WSPID	C 001	0038	0328
	\$WSPLA	C 001	0025	0314
14	\$WSPLAS	C 001	0002	0467
	\$WSPNW	C 001	0006	0411 0423
	\$WSPOGE	C 001	0045	0368
15	\$WSPRINT	C 001	0080	0472
	\$WSPRT	C 001	0008	0393
	\$WSPRUF	C 001	0001	0399
16	\$WSPTG	C 001	0003	0408
	\$WSPTH	C 001	0020	0391
	\$WSPTI	C 001	0007	0412
17	\$WSPUT	C 001	0002	0407 0408 0411 0412 0421 0422 0424
	\$WSRACC	C 001	0001	0355
	\$WSRACR	C 001	0011	0358
18	\$WSRAFN	C 001	0038	0365
	\$WSRAFS	C 001	0032	0363
	\$WSRAFW	C 001	0018	0360
19	\$WSRAQO	C 001	0008	0357
	\$WSRBLCR	C 001	0020	0850
20	\$WSRBLDS	C 001	0080	0848

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\$HELP SYSTEM/34 HELP UTILITY				
ERR	LOC	OBJECT	CODE	ADDR STMT SOURCE STATEMENT
01				
02				
			7562 *	HETBL V-DC,NAME-SET,PRIME-Y,TYPE-1, 29630000
			7563 *	MASK-01010101010101010101011 29640000
03	DDC8	80	DDC8 7565	DC AL1(128+0+0+0+0) CTRL CODE
	DDC9	01	DDC9 7566	DC AL1(0+0+1) FORMAT TYPE BYTE
	DDCA	0000	DDCB 7567	DC BL2'0000000000000000' MANDATORY FIELD MASK
04	DDCC	00	DDCC 7568	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT

\$HELP SYSTEM/34 HELP UTILITY

ERR	LOC	OBJECT	CODE	ADDR
01				
02				
03	DDFO	80		DDF0
	DDF1	01		DDF1
	DDF2	8000		DDF2
04	DDF4	23		DDF4

15 TUBIPER C 001 0020 3069
 TUBIQMP C 001 0010 3081
 TUBJCB@ C 001 0032 3029 3030
 TUBKBULK C 001 0001 3107
 TUBKDPLY C 001 0080 3216
 TUBKKBD C 001 0040 3217
 TUBKPNTR C 001 0080 3269
 TUBLEN C 001 0060 3238
 TUBLIOFR C 001 0004 3124
 TUBLIOFR C 001 0002 3040
 TUBLIOIP C 001 0002 3125
 TUBLIOS C 001 0002 3084
 TUBLOP C 001 0020 3091
 TUBLTOFF C 001 0040 3131
 TUBMBDCF C 001 0010 3103

TUBPERES C 001 003F 3280
 TUBPEXT@ C 001 0026 3246
 TUBPFNLN C 001 002C 3249
 TUBPFMND C 001 002B 3248
 TUBPGTUB C 001 0033 3266
 TUBPLEN C 001 0030 3261
 TUBPLPI C 001 0035 3277
 TUBPMKPP C 001 002E 3251
 TUBPRESV C 001 0027 3247
 TUBPRT C 001 0080 3188
 TUBPSUBC C 001 0031 3265
 TUBQHDR C 001 0015 2980
 TUBRAMER C 001 0001 3236
 TUBRCBK C 001 0004 3193
 TUBRCNCL C 001 0083 2837

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01 CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	\$WSRCBK	C	001	0004	0477	
	\$WSRCDG	C	001	0041	0443	
	\$WSRCOI	C	001	0045	0442	
04	\$WSRCL	C	001	0020	0460	
	\$WSRDM	C	001	0004	0397	
	\$WSRDN	C	001	0040	0459	
05	\$WSRDS	C	001	000E	0419	
	\$WSRDSN	C	001	0008	0394	
	\$WSRECA	C	001	0021	0309	0310 4144* 4177* 4245 4677* 4699* 5250 6024* 6046*
06	\$WSREL	C	001	000A	0416	
	\$WSRES	C	001	0020	0425	0426 0427
	\$WSRGI	C	001	0051	0372	
07	\$WSGRF	C	001	0050	0371	
	\$WSRGU	C	001	0052	0373	
	\$WSRIRJ	C	001	0034	0364	
08	\$WSRKB	C	001	0014	0359	
	\$WSRLN	C	001	0011	0298	0299
	\$WSRNAV	C	001	0024	0361	
09	\$WSROFL	C	001	0040	0366	
	\$WSROK	C	001	0000	0354	
	\$WSROL	C	001	0020	0390	
10	\$WSROLF	C	001	0028	0319	0320
	\$WSROLL	C	001	0040	0473	
	\$WSRPAL	C	001	0048	0370	
11	\$WSRPE	C	001	0080	0374	6094
	\$WSRPUN	C	001	0046	0369	
	\$WSRREL	C	001	0028	0362	
12	\$WSRSIQ	C	001	001A	0303	
	\$WSRSMDT	C	001	0040	0846	
	\$WSRSMSG	C	001	0002	0854	
	\$WSRSFP	C	001	0044	0367	
13	\$WSRSTP	C	001	0002	0356	
	\$WSRSTR	C	001	0002	0398	4712
	\$WSRSVD	C	001	0043	0335	0336
14	\$WSRTC	C	001	001B	0304	0305 6094
	\$WSRTG	C	001	0021	0426	
	\$WSRTI	C	001	0025	0427	
15	\$WSRUP	C	001	0080	0458	
	\$WSRVING	C	001	0001	0861	
	\$WSACQ	C	001	0099	0415	
16	\$WSSAVE	C	001	0004	0396	4634
	\$WSSLN	C	001	002A	0321	0322
	\$WSSPG	C	001	0013	0422	
17	\$WSSPI	C	001	0017	0424	
	\$WSSPN	C	001	0016	0423	
	\$WSSTI	C	001	0010	0420	0421 0422 0423 0424
18	\$WSSTM	C	001	0008	0451	
	\$WSSMSG	C	001	0001	0855	
	\$WSSTP	C	001	0012	0421	
19	\$WSSYS	C	001	0080	0387	
	\$WSTABL	C	001	003F	0332	0333
20	\$WSTENL	C	001	0040	0333	0334

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01 \$HELP SYSTEM/34 HELP UTILITY

02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
03					7613 *	HETBL	V-DC,NAME-TOLIBR, SUBR-47, PRIME-Y, TYPE-1, MAND-1000000000,	29710000
					7614 *		MASK-01010101010101000001111	29720000
03	DDFO	80			0057	7615	TOLIBR EQU 87	TABLE ENTRY NUMBER
	DDF1	01				7616	DC AL1(128+0+0+0+0) CTRL CODE	
	DDF2	8000				7618	DC AL1(0+0+1) FORMAT TYPE BYTE	
04	DDF4	23				7619	DC BL2'1000000000000000' MANDATORY FIELD MASK	
							AL1(35) SUBROUTINE TABLE DISPLACEMENT	

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01 \$HELP SYSTEM/34 HELP UTILITY

02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
03	DE18	00						DE18
	DE19	01						DE19
04	DE1A	0000						DE1A
	DE1C	00						DE1C

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15	TUBPERES C 001 003F 3280 3281
	TUBPEXTA C 001 0026 3246 3247
	TUBPFMLN C 001 002C 3249 3250
16	TUBPFMND C 001 002B 3248 3249
	TUBPGTUB C 001 0033 3266 3268
	TUBPLEN C 001 0030 3261 3265
17	TUBPLPI C 001 0035 3277 3280
	TUBPYMPP C 001 002E 3251 3252
	TUBPRESV C 001 0027 3247 3248
18	TUBPRT C 001 0080 3188
	TUBPSUBC C 001 0031 3265 3266
	TUBQHDR C 001 0015 2980 2982
19	TUBRAMER C 001 0001 3236
	TUBRCBK C 001 0004 3193
20	TUBRCNCL C 001 0083 2837

15	TUBSRQFD C 001 0080 3111
	TUBSTATA C 001 0004 3066
	TUBSTPJ C 001 0004 3033
	TUBSUBCN C 001 0008 3201
16	TUBSVER1 C 001 0004 3141
	TUBSVER2 C 001 0002 3151
	TUBSVRD C 001 0008 3141
17	TUBSYLST C 001 0020 3101
	TUBTCB C 001 0024 3011
	TUBTCBB C 001 0011 2961
18	TUBTSRQ C 001 0008 3034
	TUBTUB C 001 0034 3034
	TUBUNITA C 001 0005 2851
19	TUBUSER C 001 002F 3021
	TUBUSSV C 001 0040 3101
20	TUBUSUP C 001 0080 3100

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01		CROSS-REFERENCE										01																							
02		SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				02		SYMBOL	T	LEN	VALUE	DEFN																		
03		\$WSTN	C	001	00C0	0348											03		BIT6	C	001	0002	0951												
		\$WSTNUM	C	001	0041	0334	0335								BIT7	C	001	0001	0951																
		\$WSTUB	C	001	0023	0311	0312 0313								BLANK	C	001	0040	0921																
04		\$WSUNF	C	001	0010	0392											04		BLDFILE	C	001	0009	6811												
		\$WSUNLCK	C	001	0008	0852													BLDLIBR2	C	001	000A	6821												
		\$WSUNSCR	C	001	0004	0863													BLDLIBR3	C	001	000C	6841												
05		\$WSUPRM	C	001	001A	0302	0303 C304						05		BLDMENU	C	001	0000	6851																
		\$WSUPS	C	001	0003	0283	0284								BUTLD	C	001	000E	6861																
		\$WSVSLN	C	001	002C	0323	0324						06		CANCEL	C	001	0064	7741																
06		\$WSAKB	C	001	0009	0286	0287								CANCEL2	C	001	0000	8851																
		\$WSWTER	C	001	0006	0395											07		CATALOG	C	001	000F	6881												
		\$WSZERO	C	001	0000	0400													CATALOG2	C	001	0010	6891												
07		\$WS960	C	001	0025	0313	0314	0315	6038	6038*	6052*											07		CATALOG3	C	001	0011	6901							
		#	C	001	0000	0925	3558	3663	3869	4041	4081	4083	4085	4276	4280	4352	4411	4604											08		CHANGE	C	001	0065	7751
							4664	4667	4843	4938	5734	5739	5983	6095	6344	6345	6347	6348											08		CHANGE2	C	001	0066	7761
							6349	6350	6351	6352	6355	6357	6359	6361	6730	6740	6751	6761											09		CMCAID	C	001	0002	0231
							6771	6782	6812	6822	6843	6853	6863	6873	6894	6904	6914	6924											09		CMCAOPT	C	001	0003	0231
							6935	6945	6955	6965	6975	6996	7006	7016	7026	7037	7057	7067											10		CMCATB	C	001	0001	0231
							7088	7098	7108	7129	7139	7150	7160	7180	7201	7221	7241	7252											10		CMCALEN	C	001	0004	0241
							7272	7282	7292	7303	7323	7333	7343	7354	7364	7384	7394	7405											11		CMCAOPT	C	001	0003	0231
							7415	7425	7435	7445	7456	7476	7486	7506	7517	7537	7547	7557											11		CMCATCB	C	001	0001	0231
							7568	7578	7598	7608	7629	7649	7659	7670	7680	7690	7700	7710											12		CMLEN	C	001	000C	0231
							7721	7731	7741	7751	7761	7772	7782	7792	7802	7812	7823	7833											12		CMCHAIN	C	001	0001	0241
							7843	7853	7863	7874	7884	7894	7904	7914	7925	7935	7945	7955											13		CMFLAG	C	001	0004	0241
							7965	7996	8006	8016	8027	8037	8047	8057	8067	8078	8088	8098											13		CMLEN	C	001	0013	0251
							8108	8118	8129	8139	8149	8159	8169	8180	8190	8200	8210	8220											14		CMLOG	C	001	0040	0241
							8231	8241	8251	8261	8271	8282	8292	8302	8312	8322	8333	8343											14		CMMIC#	C	001	0003	0241
							8353	8363	8373	8384	8394	8404	8414	8424	8435	8445	8455	8465											15		CMRCODE	C	001	0009	0251
							8475	8486	8496	8506	8516	8526	8547	8557	8567	8578	8588	8599											15		CMMSG	C	001	0008	0231
							8619	8630	8640	8650	8660	8671	8681	8701	8712	8722	8732	8742											16		CMPSUB	C	001	0012	0251
							8752	8763	8773	8783	8793	8803	8814	8824	8834	8844	8854	8865											16		CMPSUBD	C	001	0080	0241
							8875	8885	8895											17		CMDCANCL	C	001	0080	0221									
13		**	C	001	0000	0926													17		CMDCPD	C	001	0000	0231										
																	14		CMDECH	C	001	0001	0211												
14		ALLBIT	C	001	00FF	0949													14		CMDFLAG1	C	001	0008	0231										
		ALTERBSC	C	001	0006	6788													15		CMDFUNC	C	001	000A	0221										
		ALTERSDL	C	001	0007	6798													15		CMDOCS	C	001	0010	0221										
15		APAR	C	001	0087	8595													15		CMDOINLEN	C	001	0004	0211										
		APPLYPTF	C	001	0088	8605													16		CMDOINPa	C	001	0003	0211										
		APPLYPTZ	C	001	0089	8615													16		CMONWAIT	C	001	0040	0221										
16		ARR	C	001	0008	0920	3702	4007	4061	4107	4301	4374	4591	4753	4895	5976	6092											16		CMOPROC	C	001	0020	0221	
		ASSIGN	C	001	0063	7737													17		CMOSECO	C	001	0080	0231										
		ASTERISK	C	001	00A1	8369	6486														17		CMOUTA	C	001	0006	0221								
		ATTR	C	001	007C	7992													17		CMOUTLEN	C	001	0007	0221										
		BACKUP	C	001	0008	6808													18		CMRETCD	C	001	0009	0221										
		BATCOUNT	C	001	0005	2675													18		CMSUBA	C	001	0006	0221										
18		BIT0	C	001	0080	0950													18		COMM	C	001	007D	8001										
		BIT1	C	001	0040	0951													19		COMPIL	C	001	007E	8012										
		BIT2	C	001	0020	0952													19		COMPRESS	C	001	0012	6910										
		BIT3	C	001	0010	0953													19		COND	C	001	00C8	8769										
		BIT4	C	001	0008	0954													20		CONDENSE	C	001	0013	6920										
		BIT5	C	001	0004	0955													20		CONDI	C	001	00C9	8779										

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01		\$HELP SYSTEM/34 HELP UTILITY										01		\$HELP SYSTEM/34 HELP UTILITY									
02		ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT					02		ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
03		DE18	00			DE18	7667	DC	AL1(0+0+0+0+0) CTRL CODE					03		DE40	80						
		DE19	01			DE19	7668	DC	AL1(0+0+1) FORMAT TYPE BYTE							DE41	82						
		DE1A	0000			DE1B	7669	DC	BL2'0000000000000000' MANDATORY FIELD MASK							DE42	0000						
04		DE1C	00			DE1C	7670	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT					04		DE44	00						

01		\$HELP SYSTEM/34 HELP UTILITY										01		\$HELP SYSTEM/34 HELP UTILITY									
02		ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT					02		ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
03		DE18	00			DE18	7667	DC	AL1(0+0+0+0+0) CTRL CODE					03		DE40	80						
		DE19	01			DE19	7668	DC	AL1(0+0+1) FORMAT TYPE BYTE							DE41	82						
		DE1A	0000			DE1B	7669	DC	BL2'0000000000000000' MANDATORY FIELD MASK							DE42	0000						
04		DE1C	00			DE1C	7670	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT					04		DE44	00						

15	TWAPSTAT C 001 0027 3339	
	TWAPTKMQ C 001 0031 3320	
16	TWAPUSER C 001 000C 3312	6346
	TWAPUSSA C 001 001B 3338	
	TWAPUSSS C 001 002D 3316	
17	TWAPXLAT C 001 0038 3323	
	TWAGET C 001 0000 3290	
	TWAPUT C 001 0001 3289	
18	TWAREAL C 001 0040 3294	
	TWASYS C 001 0002 3291	
	TWATWA C 001 0000 3293	
19	TWAWUSA C 001 0004 3292	
	TWAXLATE C 001 0000 3295	
20	TWAXLEN C 001 0008 3352	

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CROSS-REFERENCE	
SYMBOL	T LEN VALUE DEFN REFERENCES
02	COND2 C 001 00CA 8789
03	COND3 C 001 00CB 8799
	COND4 C 001 00CC 8810
04	COND5 C 001 00CD 8820
	COND6 C 001 00CE 8830
	COND7 C 001 00CF 8840
	CONSOLE C 001 0067 7778
05	COPY11 C 001 0014 6931
	COPYPRT C 001 0015 6941
	CREATE C 001 0016 6951
06	CRESTART C 001 0017 6961
	CSCALL C 001 0080 2367
	DATE C 001 0018 6971 6461
07	DATE2 C 001 007F 8023 6462
	DCFORMS C 001 00AB 8441
	DCPRINT C 001 00A9 8451
08	DEFINEID C 001 00AA 8461
	DEFINELU C 001 00AB 8471
	DEFINEPN C 001 00AC 8482
09	DEFINX21 C 001 00AD 8492
	DELETE C 001 0019 6982
	DELETE2 C 001 001A 6992
10	DELETE3 C 001 001B 7002
	DFA C 001 00BA 8626
	DISABLE C 001 001C 7012
11	DISPLAY C 001 001D 7022
	DSABL C 001 0080 0964
	DTF C 001 0002 0923
12	DUMP C 001 008B 8636
	EIGHT C 001 0008 0938 3927 4775 4906
	ELEVEN C 001 0008 6392 4321 4761 4897
13	ELSE C 001 0001 8861
	EM3270 C 001 00AE 8502
	ENABLE C 001 001E 7033
14	ERAP C 001 008C 8646
	ES3270 C 001 00AF 8512
	EVOKE C 001 0080 8033
15	FALSE C 001 0090 0942
	FILE C 001 0081 8043
	FILE2 C 001 0082 8053
16	FIVE C 001 0005 0935 5395
	FMT*DS C 001 000C 0976 0977 0987
	FMT*FS C 001 0008 0975 0976 0986
17	FMT*FDL C 001 0003 0986
	FMT*INL C 001 0006 0988
	FMT*ANJI C 001 0040 0980
18	FMT*LEN C 001 0010 0981 4526 4531 4534 4659 4863 6363 6435 6437 6439 6441 6443 6445 6447 6449 6461 6462 6465 6466 6469 6470 6473 6474 6477 6478 6481 6482 6486 6490 6494 6498 6501 6502 6505 6506 6481 6482 6486 6490 6494 6498 6501 6502 6505 6506
	FMT*LS C 001 0080 0979 4541
19	FMT*ME C 001 0007 0972 0973 3750 3820 3863 4632* 4686 6108 8918
20	FMT*RSV C 001 000F 0978 0981 4526 4526* 4541*

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HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	7766 * HETBL V-DC, NAME-CHANGE2, PRIME-Y, TYPE-2, NEXEC-Y, 29944000
	7767 * MASK=0101111000000000111111 29946000
03	DE68 AO DE68 7769 DC AL1(128+0+32+0+0+0) CTRL CODE
	DE69 O? DE69 7770 DC AL1(0+0+2) FORMAT TYPE BYTE
04	DE6A 0000 DE6B 7771 DC BL2'00000000000000' MANDATORY FIELD MASK
	DE6C 00 DE6C 7772 DC AL1(*) SUBROUTINE TABLE DISPLACEMENT

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HELP SYSTEM/34 HELP UTILITY	
ERR LOC OBJECT CODE	ADDR
02	0068
03	DE90 AO DE90
	DE91 O2 DE91
	DE92 0000 DE93
04	DE94 00 DE94

15				4785 4785* 4787 4772 4777 4780 4781 4781* 4787* 4788 4788* 4812*	
				4958* 5024* 5054* 5080* 5190* 5195* 5210* 5219* 5231* 5237* 5246* 5282*	
				5515* 5520* 5529* 5553* 5655* 5657 5669 5683 5683* 5691* 5694 5719*	
16				5724* 5726 5734 5737 5742 5742* 5745* 5747 5750* 5751 5777*	
				5779 5783* 5785 5788 5788* 5790 5795 5804* 6009 6051* 6052 6062	
				6107* 6108	
17	XR2	C 001	0002 0918	3554* 3561 3565 3582* 3583 3647* 3649 3651* 3652 3704* 3707 3707	
				3708 3708 3709 3709 3711 3714 3717 3720 3720 3721 3721 3723	
				3723 3726 3726 3727 3727 3731 3731 3732 3732 3734 3737 3746	
18				3747 3749 3750 3752 3752 3757 3757 3758 3758 3760 3765 3768	
				3771 3774 3787 3789 3789 3803 3818 3820 3832 3834 3834 3837	
				3838 3839 3839 3841 3844 3852 3855 3856 3858 3858 3860 3862	
19				3863 3865 3865 3889* 3892 3895 3897 3899 3903 3905 3905 3907	
				3907 3908 3908 3909 3909 3911 3911 3926 3927 3929 3932 3934	
20				3937 3939 3942 3944 3947 3949 3949 3951 3951 3954 3954 3964	

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01				CROSS-REFERENCE		
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	FMTS8	C	001	000A	0974	0975 0985 4527*
	FMTSSS	C	001	0002	0985	
	FMTSST	C	001	0008	0973	0974 0985 0986 0987 0988
04	FMTTDL	C	001	000E	0977	0978 0988
	FMTTXL	C	001	0004	0987	
	FORMAT	C	001	001F	7043	
	FORMAT2	C	001	0020	7053	
05	FORMAT3	C	001	0021	7063	
	FORMS	C	001	0083	8063	
	FOUR	C	001	0004	0934	5242 5389 5940
06	FROMLIBR	C	001	0022	7073	
	FROMLIB2	C	001	0023	7084	
	FROMLIB3	C	001	0024	7094	
07	GOTO	C	001	0002	8871	
	HESHELP	C	001	0080	1009	3803 3809 4255 4262 4868
	HE##BH	E	001	0006	0210	4491
08	HE##FH	E	001	0005	0209	4494
	HE##FMBR	C	001	0009	6393	4483 8913
	HEADD	A	008	D874	6567	5380 5930
09	HEALL	A	008	D864	6565	5021 5077 5279 5307 5339
	HEALLPTF	A	008	D86C	6566	5891
	HEAPRFTL	A	008	D87C	6568	5106
10	HEAS	A	008	D8A1	6573	6485
	HEASMDSP	C	001	00A0	1045	1046
	HEBACKUP	A	008	D884	6569	5109
11	HEBSCDSP	C	001	0088	1046	1047
	HEBSC TBL	A	001	D90A	6594	4958
	HEBUFTR	A	002	D752	6349	4901* 4930
12	HECBLANK	A	008	D7B1	6386	5400 5487 5594
	HECBLDSP	C	001	0000	1047	
	HECDASH	C	001	0060	6390	
13	HECFMTLN	A	002	D76E	6363	3721 3732 3839 4524
	HECHAR	C	001	0080	6369	4899 4916 4923
	HEHELP	A	008	D7B9	6387	3576 3644
14	HECHRCTR	A	001	D742	6339	4775* 4784* 4906* 4927*
	HECMD	C	001	0002	1020	
	HECMDLST	C	001	0061	7717	6437
15	HECMDLS2	C	001	0062	7727	
	HECMPSK	C	001	0007	1030	1031 3899 3899* 3907 3981* 6051 6144
	HECOMMA	C	001	0068	6389	4769 5666
16	HECONE	A	001	D7A7	6384	3834 3951 3967 3976 4036 4070 4346 4529 4538 4784 4790 4869
						4872 4927 4933
	HECONTRC	C	001	0000	0998	1007 3762 3806 3812 4113 4134 4217 4235 4247 4265
17	HECPIN	E	001	0004	0208	4797
	HECPPARM	A	001	D6EC	6236	4793
	HECTBLN	A	002	D76C	6362	3720 3731 3837 4514
18	HECXFOX	C	001	00FF	6391	3847 4378 4435 4484 4516 4531 4819 5657 5726 5790
	HECX09	A	002	D7A9	6385	4495
	HECZERO	A	002	D7A6	6383	4809
19	HEDELETE	A	008	D844	6561	4983
	HEDFUSP	C	001	0000	1039	1040
20	HEFLDCTR	A	001	D740	6337	4897* 4933*

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01	\$HELP SYSTEM/34 HELP UTILITY				
	ERR LOC OBJECT CODE		ADDR	STMT	SOURCE STATEMENT
02			7817 *		HETBL V-DC, NAME=MENU, PRIME-Y, TYPE-2, NEXEC-Y, 30030000
			7818 *		MASK=010111000000000111111 30040000
			0068 7819	MENU	EQU 107 TABLE ENTRY NUMBER
03	DE90 A0		DE90 7820		DC AL1(128+0+32+0+0+0) CTRL CODE
	DE91 02		DE91 7821		DC AL1(0+0+2) FORMAT TYPE BYTE
	DE92 0000		DE93 7822		DC BL2'0000000000000000' MANDATORY FIELD MASK
04	DE94 00		DE94 7823		DC AL1(*) SUBROUTINE TABLE DISPLACEMENT

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CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
HEFMTBEG	A	002	D768	6360	3758
HEFMTBLA	A	002	D764	6358	3708 3749 3858* 4629 4668* 6107
HEFMTCTR	A	001	D73E	6335	4529* 4560
HEFMTEND	A	002	D76A	6361	3727 4522*
HEFMTNAM	C	001	EDFF	8918	4659 4863 6435 6437 6439 6441 6443 6445 6447 6449 6461 6462 6465 6466 6469 6470 6473 6474 6477 6478 6481 6482 6486 6490 6494 6498 6501 6502 6505 6506
HEFORMAT	A	008	D778	6365	3588* 3750* 3820 3863* 4119 4128 4458* 4632 4659* 4671 4686* 4707 4863* 6108*
HEFORTC	A	008	D8F9	6584	6512
HEFORTCG	A	008	D901	6585	6516
HEFORTGO	A	008	D909	6586	6520
HEFRMTBL	A	001	D838	6721	4511 6354 6356
HEFRTDSP	C	001	0000	1049	1050
HEFRTPC	A	008	D8E1	6581	6511
HEFRTPCG	A	008	D8E9	6582	6515
HEFRTPGD	A	008	D8F1	6583	6519
HEIND##	A	001	D744	6341	3504* 3522* 3534* 4009* 4036* 4068 6016*
HEINDCTR	A	001	D743	6340	4068* 4070*
HEINDEX	C	001	EDF8	8916	4521 4558 6142 6358 6360 8918
HEINDTBL	A	001	D78C	6406	4065 6054 6054* 6152
HEIOB	A	001	D6F8	6255	4500 4527
HEIOBUFF	C	001	EBF0	8913	4484* 6262 8914 8916
HEIOEROR	C	001	0010	6372	4153 4156 6104
HEI1	A	008	D85C	6564	5013 5103 5147 5371 5435 5467 5578 5617 5921
HEJCB#	A	002	D748	6344	3466* 3551 3642 4206 4557 5691
HEJOBQ	A	005	D899	6572	4762
HEJMSG	A	001	D6E2	6224	6241
HEKEYDSC	C	001	0001	6736	4659
HELANG	C	001	0006	1024	6510 6514 6518 6538 6541 6544 6550
HELIBR	A	008	D894	6571	5483
HELISTBL	A	001	D7C9	6433	4431
HELINGLST	C	001	00A6	8420	6445
HELOCID	A	008	D854	6563	5217
HELSTRTN	A	002	D74E	6347	4029* 4278* 6056 6110*
HEMAXTBL	A	001	D82E	6530	5783
HEMC1991	A	002	D78B	6396	4207
HEMC2000	C	001	2000	6398	3491
HEMC2001	C	001	2001	6399	3754
HEMC2002	C	001	2002	6400	4031
HEMC2003	C	001	2003	6401	3482
HEMC2004	C	001	2004	6402	4447 5804
HEMC2005	C	001	2005	6403	4164
HEMC2009	C	001	2009	6404	3626
HEMENCTR	A	001	D73F	6336	4483* 4538*
HEMENJ01	C	001	0000	6726	4863
HEMICTBL	A	001	D863	6692	4812
HEMINDMSK	C	001	0003	1028	1029 4011
HEMRJTBL	A	001	DA10	6644	5655
HEMRTRCD	C	001	1990	6395	5692
HEMSGPRM	A	001	D714	6284	6009* 6029
HENAMCVT	A	001	D7E2	6458	5719

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\$HELP SYSTEM/34 HELP UTILITY

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
					7868 * HETBL V-DC, NAME-RELEASE, PRIME-Y, TYPE-2, NEXEC-Y, 30130000 7869 * MASK-0101111111110000000001 30140000
		0070	7870	RELEASE	EQU 112 TABLE ENTRY NUMBER
DEBB	A0	DEBB	7871		DC AL1(128+0+32+0+0+0) CTRL CODE
DEB9	O2	DEB9	7872		DC AL1(0+0+2) FORMAT TYPE BYTE
DEBA	0000	DEBB	7873		DC BL2'0000000000000000' MANDATORY FIELD MASK
DEBC	00	DEBC	7874		DC AL1(*) SUBROUTINE TABLE DISPLACEMENT

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CROSS-REFERENCE									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES			
03	HENAMCVX	A	001	D81E	6508	5724			
03	HENDTBL	C	001	0040	6370	4508	4519	4543	
	HEND	A	008	D8D9	6580				
04	HENOCALL	C	001	0008	1004	3812			
04	HENOINPT	C	001	0010	1003	3806			
	HENTEXEC	C	001	0020	1002	4247			
05	HEDCL	C	001	0003	1021	3929	6460	6464	6468
05	HEDLEDSP	C	001	0030	1050	1051			
	HEOVZTBL	A	001	D97C	6614	5190	5195		
06	HEOV3TBL	A	001	D985	6624	5231	5237		
06	HEPARMSV	A	008	D780	6366	3584*	3612	3617	
06	HEPARM1	C	001	0000	6415	3583*	4983	5051	5054
						5180	5213	5217*	5219
						5228	5255	5307	5339
						5435	5483	5595*	5774
						5795	5807	5832	
07	HEPARM10	C	001	0048	6424				
07	HEPARM11	C	001	0050	6425	5399*	5593*	5652*	5653
						5653*			
08	HEPARM12	C	001	0008	6416	5021	5024	5177	5187
						5203	5207*	5210	5279
						5282	5371	5380	5467
						5509	5512	5578	5594*
						5595	5617	5891	5921
						5930			
09	HEPARM13	C	001	0010	6417	5103	5147		
09	HEPARM14	C	001	0018	6418	5106	5109	5112	5650
09	HEPARM15	C	001	0020	6419	5013	5077	5080	5427
09	HEPARM16	C	001	0028	6420	5401*			
10	HEPARM17	C	001	0030	6421	5400*	5401	5947	
10	HEPARM18	C	001	0038	6422				
10	HEPARM19	C	001	0040	6423	5399	5593		
11	HEPATCH	A	001	DA70	6711				
11	HEPCE	C	001	0004	1022	3934	6504		
11	HEPPSA	C	001	EBF0	8914	3554	3615	3651	8915
12	HEPPSAB	A	002	D758	6352	3574*	3647	4116	4203
12	HEPRCLST	C	001	0002	6747	6435			
	HEPRCLS2	C	001	0003	6757				
	HEPRCLS3	C	001	0004	6767				
13	HEPRCLS4	C	001	0005	6778				
	HEPRIME	C	001	0080	1000	3762	4113	4265	
14	HEPRMCTR	A	001	D741	6338	4121*	4309	4312*	4321
14	HEPRMPTR	A	002	D754	6350	4316*	4318	4342*	4767*
14	HEPROC	C	001	0001	1019	4787			
15	HEPROFIL	A	008	D88C	6570	5112			
15	HEPULEND	A	002	D75A	6353	4595			
15	HEPULPTR	A	002	D750	6348	4593*	4595		
16	HERON960	C	001	0004	6374	4131	4137	4233	
16	HEREMID	A	008	D84C	6562	5207			
16	HERETURN	A	002	D770	6364	4268			
17	HEREVMSK	A	003	D7A4	6381	3908			
17	HEROLL	C	001	0004	1005	4134			
17	HERPGDSP	C	001	0038	1051	1052			
18	HERRPAM	A	001	D6C7	6172	6060			
18	HESBRTBL	A	001	DA31	6657	4275			
18	HESCRNUP	C	001	0020	6371	3768	4149	5721	5729
18						6006			
19	HESDADSP	C	001	0028	1040	1041			
19	HESDLTBL	A	001	D94B	6605	5553			
19	HESEARCH	A	001	D73C	6327	3714	3717	3737	3765
						3771	3815	3841	3852
						4223*	4241*	4459*	4661*
20						4865*	5748*	5808*	6105*

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\$HELP SYSTEM/34 HELP UTILITY									
ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT		
02						7919 *	HETBL	V-DC,NAME-STATUS,PRIME-Y,TYPE-2,NEEXEC-Y,SPLIT-Y,	30230000
						7920 *	MASK-010111111111110000000000,ROLL-Y		30240000
03	DEEO	E4		DEEO	7922	DC	AL1(128+64+32+0+0+4)	CTRL CODE	
	DEE1	O2		DEE1	7923	DC	AL1(0+0+2)	FORMAT TYPE BYTE	
	DEE2	O000		DEE3	7924	DC	BL2'0000000000000000'	MANDATORY FIELD MASK	
04	DEE4	O0		DEE4	7925	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT	

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01		CROSS-REFERENCE										01											
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES						02	SYMBOL	T	LEN	VALUE	DEFN						
	HEUTILST	C	001	00A5	8410	6443							HE001100	A	004	CA57	3889						
03	HEWKFMtA	A	002	D766	6359	3708*	3721*	3727*	3732*	3758*	3818	3839*	3858	3862		HE001110	A	003	CA6E	3903			
	HEWKTBLA	A	002	D75E	6355	3707*	3720*	3723	3726*	3731*	3734	3757*	3760	3832	3838*	3855		HE001120	A	003	CA94	3934	
04	HEWORK	A	001	D782	6378	3905	3905*	3907*	3908*	3909	3909*	3926*	3927*	3932*	3937*	3939	3942*		HE001130	A	003	CA9D	3939
						3944	3947*	3949	3949*	3951*	3954	3954*	3964	3967*	3969	3972*	3974		HE001140	A	004	CA9F	3949
						3974*	3976*	3978	3981	4011*	4015	4038	4038*	4387*	4388	4398	4630*		HE001150	A	003	CABF	3964
05						4632*	4684	4686	4908	5650*	5660	5676	5685	5685*	5686	5686*	5687		HE001160	A	004	CAD2	3974
	HEWSBUFF	C	001	ECFO	8915	3582	4123*	4124	4124*	4143	4169	4169*	4176	4319	4350	4676	4698		HE001170	A	004	CAE5	3984
06						4756	4936	5663	5696	5772	6011*	6012	6012*	6023	6045	6239	6289		HE001200	A	004	CAED	4007
	HEWSDTF	A	001	D683	6122	3631	3984	4126	4167	4564	4652	4670	4725	5249	6014	6036		HE001210	A	004	CAFE	4015	
	HEWSUDSP	C	001	D068	1044	1045						06	HE001220	A	003	CB10	4034						
07	HEY	A	008	D8C9	6578	5863							HE001299	A	004	CB30	4041						
	HEYES	A	008	D8D1	6579							07	HE001300	A	004	CB34	4061						
	HE000100	A	004	C807	3461	8920							HE001310	A	006	CB4A	4070						
08	HE000105	A	004	C828	3482	3577 3580							HE001320	A	004	CB63	4079						
	HE000110	A	004	C830	3491	3471						08	HE001330	A	003	CB67	4081						
	HE000115	A	004	C838	3500	3474							HE001390	A	004	CB6A	4083						
09	HE000120	A	004	C847	3513	3502							HE001399	A	004	CB6E	4085						
	HE000125	A	004	C861	3531	3518						09	HE002000	A	004	CB72	4107						
	HE000130	A	004	C870	3543	3532							HE002010	A	004	CB76	4109						
10	HE000135	A	004	C874	3551	4571							HE002015	A	004	CB96	4123						
	HE000140	A	001	C885	3558	3552*							HE002020	A	004	CB8B	4137						
	HE000150	A	004	C893	3574	3563							HE002030	A	004	CBDC	4153						
11	HE000160	A	005	C8B8	3588	5752							HE002035	A	004	CBEF	4167						
	HE000200	A	004	C8C8	3607	4961	4993	5031	5057	5083	5125	5157	5259	5285	5317	5349	5407		HE002040	A	003	CC18	4191
						5447	5489	5532	5556	5597	5629	5698	5781	5843	5871	5899	5953		HE002050	A	003	CC47	4211
12	HE000205	A	004	C8E5	3626	3613							HE002055	A	004	CC63	4223						
	HE000210	A	004	C8ED	3629	3610 3618							HE002060	A	003	CC68	4227						
13	HE000215	A	004	C8F9	3642								HE002065	A	004	CC88	4241						
	HE000220	A	004	C90D	3651	3645 4209						13	HE002070	A	003	CC93	4245						
	HE000230	A	001	C91A	3663	3652*							HE002075	A	004	CC80	4258						
14	HE000500	A	004	C91C	3672								HE002080	A	005	CCD9	4276						
	HE001000	A	004	C927	3702	4109 4662						14	HE002090	A	006	CCDE	4278						
	HE001010	A	003	C947	3717	3763	3775	3790	3804	3807	3810	3816	3821					HE002099	A	004	CCE4	4280	
15	HE001020	A	004	C967	3731	3718							HE002100	A	004	CCE8	4301						
	HE001030	A	004	C997	3757	3715 3738						15	HE002110	A	004	CD02	4318						
	HE001040	A	003	C99F	3760	3724	3729	3735						HE002120	A	004	CD0A	4321					
16	HE001042	A	004	C9C6	3787	3772							HE002130	A	003	CD25	4341						
	HE001044	A	003	C9DF	3806	3769						16	HE002140	A	004	CD39	4350						
	HE001045	A	003	C9E6	3809	3801							HE002199	A	004	CD3D	4352						
17	HE001050	A	003	C9FB	3818	3766 3813							HE002200	A	004	CD41	4374						
	HE001060	A	003	CA09	3832	3712						17	HE002210	A	004	CD45	4376						
	HE001070	A	004	CA0C	3834	3850							HE002220	A	003	CD64	4390						
18	HE001075	A	003	CA2A	3847	3842							HE002230	A	004	CD71	4396						
	HE001080	A	003	CA34	3852	3835						18	HE002240	A	004	CD80	4403						
	HE001090	A	003	CA3A	3855	3777 3823							HE002250	A	004	CD88	4407						
19	HE001095	A	004	CA44	3860	3853							HE002299	A	004	CD96	4411						
	HE001097	A	004	CA4+	3865	3845 3848						19	HE002300	A	004	CD9A	4431						
20	HE001099	A	004	CA53	3866	3702*						20	HE002310	A	003	CDA2	4435						

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01		\$HELP SYSTEM/34 HELP UTILITY										01	
ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	ERR	LOC	OBJECT	CODE	ADDR	
					8021 *	HETBL	V-DC, NAME=DATE2, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, NCALL-Y,		30410000				
02					8022 *	MASK=0100100111000000111111		30420000					
					007F	8023	DATE2	EQU	127	TABLE	ENTRY	NUMBER	
03	DF30	88			DF30	8024		DC	AL1(128*0+32+16*8+0)	CTRL	CODE		
	DF31	03			DF31	8025		DC	AL1(0+0+3)	FORMAT	TYPE	BYTE	
	DF32	0000			DF33	8026		DC	BL2'0000000000000000'	MANDATORY	FIELD	MASK	
04	DF34	00			DF34	8027		DC	AL1(*)	SUBROUTINE	TABLE	DISPLACEMENT	

\$HELP SYSTEM/34 HELP UTILITY

DF58 0000 DF58
DF59 03 DF59
DF5A 0000 DF5B
DF5C 00 DF5C

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004E 000000
0051 0000
0053 7BC6C8C1
0057 000000
005A 0000
005C 7BC2C8F1
0060 000000
0063 0000
0065 7BC2C8F2
0069 000000
006C 0000
006E 7BC2C8F3
0072 000000
0075 0000
0077 7BC2C8F4

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
HE001100	A	004	CA57	3889	4135 4221 4239
HE001110	A	003	CA6E	3903	3893
HE001120	A	003	CA94	3934	3930
HE001130	A	003	CA9D	3939	3935 3952
HE001140	A	004	CAAF	3949	3940 3945
HE001150	A	003	CABF	3964	3979
HE001160	A	004	CAD2	3974	3965 3970
HE001170	A	004	CAE5	3984	3901
HE001200	A	004	CAED	4007	4258
HE001210	A	004	CAFE	4015	4039
HE001220	A	003	CB1D	4034	4016 4019
HE001299	A	004	CB30	4041	4007*
HE001300	A	004	CB34	4061	3505 3523 3535 4027 6017
HE001310	A	006	CB4A	4070	4079
HE001320	A	004	CB63	4079	4074
HE001330	A	003	CB67	4081	4067* 4071 4073 4073* 4076*
HE001390	A	004	CB6A	4083	4063*
HE001399	A	004	CB6E	4085	4061*
HE002000	A	004	CB72	4107	3599 4461 4866 4991 5029 5123 5155 5185 5226 5244 5315 5347 5376 5397 5405 5433 5445 5481 5527 5586 5591 5627 5810 5841 5869 5897 5926 5942
HE002010	A	004	CB76	4109	4225 4243 6112
HE002015	A	004	CB96	4123	4114
HE002020	A	004	CB8B	4137	3986 4132
HE002030	A	004	CBDC	4153	4248 4256 4732 6058
HE002035	A	004	CBEF	4167	4154
HE002040	A	003	CC18	4191	4710
HE002050	A	003	CC47	4211	4201
HE002055	A	004	CC63	4223	4215 4218
HE002060	A	003	CC68	4227	4212
HE002065	A	004	CC8B	4241	4231 4236
HE002070	A	003	CC93	4245	4228
HE002075	A	004	CC80	4258	4253
HE002080	A	005	CCD9	4276	4273*
HE002090	A	006	CCDE	4278	4263 4266 4271
HE002099	A	004	CCE4	4280	4029 4107* 4268* 4276* 4278 6056* 6110
HE002100	A	004	CCE8	4301	3629 4981 5027 5119 5145 5198 5223 5240 5305 5337 5369 5378 5430 5442 5479 5523 5576 5624 5830 5866 5894 5919 5928
HE002110	A	004	CD02	4318	4310
HE002120	A	004	CD0A	4321	4348
HE002130	A	003	CD25	4341	4337
HE002140	A	004	CD39	4350	4322 4332
HE002199	A	004	CD3D	4352	4301*
HE002200	A	004	CD41	4374	4959 5191 5196 5232 5238 5247 5516 5521 5530 5554
HE002210	A	004	CD45	4376	4409
HE002220	A	003	CD64	4390	4394
HE002230	A	004	CD71	4396	4391
HE002240	A	004	CD80	4403	4385
HE002250	A	004	CD8B	4407	4401
HE002299	A	004	CD96	4411	4374* 4379 4382
HE002300	A	004	CD9A	4431	4198 4875
HE002310	A	003	CDA2	4435	4454

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
			8072 *	HETBL	V-DC, NAME-IM+GE, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, 30490000
			8073 *		MASK-01001111011011001000001111 30500000
		0084	8074	IMAGE	EQU 132 TABLE ENTRY NUMBER
DF58	80	DF58	8075	DC	AL1(128+0+32+16+0+0) CTRL CODE
DF59	03	DF59	8076	DC	AL1(0+0+3) FORMAT TYPE BYTE
DF5A	0000	DF5B	8077	DC	BL2'0000000000000000' MANDATORY FIELD MASK
DF5C	00	DF5C	8078	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT

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15	004E 000000	0050 40	DC	XL3 '00'	00370000
	0051 0000	0052 41	DC	XL2 '00'	00370001
	0053 7BC6C8C1	0056 42	DC	CL4 'AFHA'	00370002
16	0057 000000	0059 43	DC	XL3 '00'	00370003
	005A 0000	005B 44	DC	XL2 '00'	00380300
17	005C 7BC2C8F1	005F 46	DC	CL4 'MBH1'	00380600
	0060 000000	0062 47	HE#MBH	DC XL3 '00'	00380900
	0063 0000	0064 48	DC	XL2 '00'	00381200
18	0065 7BC2C8F2	0068 49	DC	CL4 'MBH2'	00381500
	0069 000000	006B 50	DC	XL3 '00'	00382100
	006C 0000	006D 51	DC	XL2 '00'	00382400
19	006E 7BC2C8F3	0071 52	DC	CL4 'MBH3'	00382700
	0072 000000	0074 53	DC	XL3 '00'	00383000
	0075 0000	0076 54	DC	XL2 '00'	
20	0077 7BC2C8F4	007A 55	DC	CL4 'MBH4'	

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01		CROSS-REFERENCE										01						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES						02	SYMBOL	T	LEN	VALUE	DEFN	
	HE002315	A	005	C0B9	4450	4436							HE003610	A	004	D19E	5153	
	HE002320	A	003	CDC8	4456	4451							HE003620	A	004	D1A2	5155	
	HE002400	A	004	CDDC	4483	3543							HE003700	A	003	D1AA	5177	
	HE002410	A	004	CD6	4494	4489 4492* 4495* 4539							HE003710	A	004	D1CF	5195	
	HE002420	A	004	CE14	4508	4536							HE003720	A	003	D1E3	5203	
	HE002430	A	004	CE1B	4511	4514*							HE003730	A	003	D1F5	5210	
	HE002440	A	004	CE33	4521	4517 4524*							HE003740	A	003	D1FC	5213	
	HE002450	A	006	CE5D	4538	4532							HE003750	A	003	D20E	5219	
	HE002460	A	003	CE71	4553	4498 4509							HE003760	A	004	D215	5223	
	HE002470	A	004	CE76	4557	4544							HE003770	A	004	D21D	5226	
	HE002500	A	004	CE9C	4591	4405 5025 5055 5081 5211 5220 5283							HE003780	A	004	D232	5236	
	HE002510	A	004	CEA0	4593	4602							HE003790	A	004	D246	5244	
	HE002599	A	004	CEBC	4604	4591* 4596							HE003799	A	004	D26D	5259	
	HE002600	A	006	CECO	4628	4192							HE003800	A	005	D271	5279	
	HE002610	A	004	CF0C	4664	4628*							HE003899	A	004	D280	5285	
	HE002620	A	004	CF14	4667	4629*							HE003900	A	004	D28A	5305	
	HE002630	A	001	CF54	4696	4689							HE003910	A	004	D297	5313	
	HE002700	A	004	CF9F	4753	3632							HE003920	A	004	D29B	5315	
	HE002710	A	004	CFC1	4767	4791							HE004000	A	004	D2A3	5337	
	HE002720	A	003	CFD5	4777	4785							HE004010	A	004	D2B6	5345	
	HE002730	A	004	CFEF	4787	4773 4778							HE004020	A	004	D2BA	5347	
	HE002750	A	004	DD15	4814	4820							HE004100	A	004	D2C2	5369	
	HE002760	A	003	DD2B	4827	4815							HE004110	A	004	D2E9	5386	
	HE002790	A	001	DD32	4832	4810							HE004120	A	004	D2F0	5389	
	HE002799	A	004	DD41	4843	4753*							HE004130	A	004	D313	5405	
	HE002800	A	006	DD45	4863	3591 4195							HE004199	A	004	D317	5407	
	HE002810	A	005	DD57	4869	4873							HE004200	A	003	D31B	5427	
	HE002820	A	004	DD69	4875	4870							HE004299	A	004	D348	5447	
	HE002900	A	004	DD6D	4895	4250							HE004300	A	005	D34C	5467	
	HE002910	A	004	DD71	4897								HE004310	A	004	D35B	5473	
	HE002920	A	004	DD75	4899	4934							HE004320	A	004	D366	5479	
	HE002930	A	003	DD96	4913	4928							HE004399	A	004	D37F	5489	
	HE002940	A	004	DDA9	4923	4914							HE004400	A	003	D383	5509	
	HE002950	A	003	DDB1	4926	4921							HE004410	A	004	D39A	5520	
	HE002960	A	004	DDBE	4930	4924							HE004499	A	004	D3B6	5532	
	HE002990	A	004	DDCF	4936	4904							HE004500	A	004	D3BA	5553	
	HE002999	A	004	DDD3	4938	4895*							HE004600	A	004	D3C6	5576	
	HE003000	A	004	DDD7	4958	6659							HE004610	A	004	D3E4	5590	
	HE003100	A	004	DDOE	4981	6660							HE004699	A	004	D3F9	5597	
	HE003110	A	004	DDF6	4989	4984							HE004700	A	005	D3FD	5617	
	HE003120	A	004	DDFA	4991	4987							HE004799	A	004	D418	5629	
	HE003200	A	005	D102	5013	6661							HE004800	A	005	D41C	5650	
	HE003210	A	004	D111	5019	5014							HE004810	A	003	D42C	5657	
	HE003220	A	005	D115	5021	5017							HE004820	A	004	D446	5669	
	HE003230	A	004	D124	5027	5022							HE004830	A	003	D44A	5671	
	HE003300	A	003	D130	5051	6662							HE004840	A	003	D459	5678	
	HE003399	A	004	D130	5057	5052							HE004850	A	003	D463	5683	
	HE003400	A	005	D141	5077	6663							HE004860	A	004	D47C	5691	
	HE003499	A	004	D150	5083	5078							HE004900	A	004	D48F	5719	
	HE003500	A	005	D154	5103	6664							HE004910	A	003	D49E	5726	
	HE003599	A	004	D187	5125	5104 5107 5110 5113 5117							HE004920	A	003	D4B1	5734	
	HE003600	A	004	D18B	5145	6665							HE004925	A	005	D4B7	5737	

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01		\$HELP SYSTEM/34 HELP UTILITY										01							
02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT			02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
	30490000					8123 *	HETBL	V-DC, NAME-LOCAL, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y,		30590000									
	30500000					8124 *	MASK-01001101110010000001111			30600000									
						0089	8125	LOCAL	EQU	137	TABLE ENTRY NUMBER								
						DF80	B0		DC	AL1(128+0+32+16+0+0)	CTRL CODE								
						DF81	03		DC	AL1(0+0+3)	FORMAT TYPE BYTE								
						DF82	0000		DC	BL2'0000000000000000'	MANDATORY FIELD MASK								
						DF84	00		DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT								

\$HELP SYSTEM/34 HELP UTILITY

00370000
00370001
00370002
00370003

00380300
00380600
00380900

00381200
00381500
00381800

00382100
00382400
00382700
00383000

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CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	HE003610	A	004	D19E	5153	5148
	HE003620	A	004	D1A2	5155	5151
	HE003700	A	003	D1AA	5177	6666
04	HE003710	A	004	D1CF	5195	5188
	HE003720	A	003	D1E3	5203	5178 5181
	HE003730	A	003	D1F5	5210	5204
	HE003740	A	003	D1FC	5213	5208
05	HE003750	A	003	D20E	5219	5214
	HE003760	A	004	D215	5223	5218
	HE003770	A	004	D21D	5226	
06	HE003780	A	004	D232	5236	5229
	HE003790	A	004	D246	5244	5201
	HE003799	A	004	D260	5259	5193 5234 5253
07	HE003800	A	005	D271	5279	6667
	HE003899	A	004	D280	5285	5280
	HE003900	A	004	D284	5305	6668
08	HE003910	A	004	D297	5313	5308
	HE003920	A	004	D298	5315	5311
	HE004000	A	004	D2A3	5337	6669
09	HE004010	A	004	D2B6	5345	5340
	HE004020	A	004	D2BA	5347	5343
	HE004100	A	004	D2C2	5369	6670
10	HE004110	A	004	D2E9	5386	5381
	HE004120	A	004	D2F0	5389	5372
	HE004130	A	004	D313	5405	5384 5387 5393
11	HE004199	A	004	D317	5407	5403
	HE004200	A	003	D31B	5427	6671
	HE004299	A	004	D348	5447	5428 5436 5440
12	HE004300	A	005	D34C	5467	6672
	HE004310	A	004	D35B	5473	5468
	HE004320	A	004	D366	5479	5471
13	HE004399	A	004	D37F	5489	5475 5484
	HE004400	A	003	D383	5509	6673
	HE004410	A	004	D39A	5520	5510 5513
14	HE004499	A	004	D3B6	5532	5518
	HE004500	A	004	D3BA	5553	6674
	HE004600	A	004	D3C6	5576	6675
15	HE004610	A	004	D3E4	5590	5579 5583
	HE004699	A	004	D3F9	5597	5588
	HE004700	A	005	D3FD	5617	6676
16	HE004799	A	004	D418	5629	5618 5622
	HE004800	A	005	D41C	5650	6677
	HE004810	A	003	D42C	5657	5689
17	HE004820	A	004	D446	5669	5664
	HE004830	A	003	D44A	5671	5674
	HE004840	A	003	D459	5678	5681
18	HE004850	A	003	D463	5683	5661
	HE004860	A	004	D47C	5691	5658
	HE004900	A	004	D48F	5719	3586 4463 6678
19	HE004910	A	003	D49E	5726	5722 5743
	HE004920	A	003	D4B1	5734	5732*
20	HE004925	A	005	D4B7	5737	5730

02	SYMBOL	T	LEN	VALUE	DEFN
03	HE004930	A	005	D4BC	5739
	HE004940	A	003	D4C4	5740
	HE004950	A	003	D4CB	5741
04	HE004990	A	004	D4D6	5750
	HE005000	A	004	D4E2	5770
	HE005010	A	004	D4F7	5780
	HE005020	A	005	D4FB	5780
05	HE005030	A	004	D510	5790
	HE005040	A	004	D517	5800
	HE005050	A	005	D51F	5800
06	HE005100	A	004	D52C	5830
	HE005110	A	004	D53F	5830
	HE005120	A	004	D543	5840
07	HE005200	A	005	D54B	5863
	HE005299	A	004	D55F	5870
	HE005300	A	005	D563	5890
08	HE005399	A	004	D577	5890
	HE005400	A	004	D57B	5910
	HE005410	A	004	D5A6	5930
09	HE005420	A	004	D5AD	5940
	HE005430	A	004	D5B1	5940
	HE005495	A	001	D5C9	5950
10	HE005500	A	001	D5CD	5973
	HE005599	A	004	D5D9	5980
	HE009000	A	004	D5D0	6006
11	HE009050	A	004	D652	6060
	HE009100	A	004	D650	6092
	HE009110	A	004	D664	6095
12	HE11PMM	C	001	0001	6376
	HE96OSCR	C	001	0002	6375
13	HISTCRT	C	001	0025	7104
	HISTORY	C	001	0026	7114
	HOLD	C	001	0068	7788
14	IAR	C	001	0010	0921
	IARX	C	001	0008	0959
	ICFDEBUB	C	001	0027	7125
15	IDDELETE	C	001	0069	7798
	IMAGE	C	001	0084	8074
	INCLUDE	C	001	0085	8084
16	INIT	C	001	0028	7135
	IOR	C	001	0001	0922
	JCBDBFRA	C	001	006F	1318
	JCBDCCB	C	001	0003	1330
17	JCBDCIB	C	001	0052	1277
	JCBDCRLB	C	001	0010	1218
	JCBDCSBP	C	001	0065	1314
18	JCBDCTAG	C	001	0028	1245
	JCBDDATE	C	001	0009	1210
	JCBDOFRG	C	001	0056	1283
19	JCBDOFFA	C	001	0054	1279
	JCBDELNG	C	001	0010	1339
20	JCBDESV	C	001	000F	1338

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\$HELP SYSTEM/34 HELP UTILITY

02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
				8174 *			HETBL	V-DC, NAME-OFF2, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, NCALL-Y,
				8175 *				MASK-01001110000000011111
				00BE	8176	OFF2	EQU	142 TABLE ENTRY NUMBER
03	DFAB	B8		DFAB	8177		DC	AL1(128+0+32+16+8+0) CTRL CODE
	DFA9	03		DFA9	8178		DC	AL1(0+0+3) FORMAT TYPE BYTE
	DFAA	0000		DFAB	8179		DC	BL2'0000000000000000' MANDATORY FIELD MASK
04	DFAC	00		DFAC	8180		DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT

02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
				DFD0	B0		DF	
				DFD1	03		DF	
				DFD2	0000		DF	
04				DFD4	00		DF	

15	aaaa	aaaa	aaaaaaaaaaaaaaaa	aaaaaaaaaaaaaaaa
16	aaaa	aaaa	aaaa	aaaa
17	aaaa	aaaa	aaaa	aaaa
18	aaaa	aaaa	aaaa	aaaa
19	aaaa	aaaa	aaaaaaaaaaaaaaaa	aaaaaaaaaaaaaaaa
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5/81 12:00	01	CROSS-REFERENCE				PAGE 246 W09/11/81 12/05/81 12:00
	02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
	03	JCBMDEAD	C 001	0008	1164	
	04	JCBMDKAL	C 001	0020	1193	
	05	JCBMDOMD	C 001	0002	1166	
	06	JCBMDPRD	C 001	0004	1176	
	07	JCBMDSRC	C 001	0001	1188	
	08	JCBMEIBA	C 001	0001	1312	
	09	JCBMEOMP	C 001	0004	1186	
	10	JCBMEVPR	C 001	0004	1310	
	11	JCBMEXTD	C 001	0001	1241	
	12	JCBMFLIS	C 001	0040	1306	
	13	JCBMFLUC	C 001	0010	1163	
	14	JCBMHIPR	C 001	0030	1149	
	15	JCBMITRC	C 001	0008	1175	
	16	JCBMINHT	C 001	0010	1140	
	17	JCBMINQP	C 001	0002	1177	
	18	JCBMINTK	C 001	0010	1308	
	19	JCBMIPRC	C 001	0008	1153	3473
	20	JCBMLIST	C 001	0020	1297	
	21	JCBMLOPR	C 001	0010	1151	
	22	JCBMMDPR	C 001	0020	1150	
	23	JCBMNEXT	C 001	0010	1298	
	24	JCBMNPRT	C 001	0008	1141	
	25	JCBMNDNT	C 001	0001	1178	
	26	JCBMNDSC	C 001	0004	1142	
	27	JCBMNRTP	C 001	0001	1157	
	28	JCBMNTER	C 001	0020	1138	
	29	JCBMNTRA	C 001	0080	1135	
	30	JCBMOPCL	C 001	0080	1170	
	31	JCBMPGIS	C 001	0020	1307	
	32	JCBMPNEP	C 001	0020	1173	
	33	JCBMPRTY	C 001	0040	1171	
	34	JCBMPUCL	C 001	0080	1160	
	35	JCBMRCSM	C 001	0004	1196	
	36	JCBMRDVC	C 001	0010	1194	
	37	JCBMRDVU	C 001	0008	1195	
	38	JCBMREGN	C 001	0080	1147	
	39	JCBMREST	C 001	0010	1184	
	40	JCBMRINQ	C 001	0002	1187	
	41	JCBMRCLL	C 001	0040	1148	
	42	JCBMRSET	C 001	0001	1198	
	43	JCBMRSNP	C 001	0002	1156	
	44	JCBMRTHA	C 001	0020	1162	
	45	JCBMRUNG	C 001	0040	1136	
	46	JCBMSCRT	C 001	0008	1185	
	47	JCBMSELT	C 001	0002	1197	
	48	JCBMSEJ	C 001	0080	1181	
	49	JCBMSLNG	C 001	0040	1296	
	50	JCBMSLOG	C 001	0080	1191	
	51	JCBMSLOP	C 001	0002	1240	
	52	JCBMSOFF	C 001	0040	1182	
	53	JCBMSPCK	C 001	0002	1311	
	54	JCBMSPRT	C 001	0020	1183	

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	01	CROSS-REFERENCE				
	02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
	03	JCBMSRAL	C 001	0008	1309	
	04	JCBMSYLB	C 001	0080	1295	
	05	JCBMSYSN	C 001	0040	1192	
	06	JCBMTHLK	C 001	0080	1305	
	07	JCBMUPS1	C 001	0080	1201	
	08	JCBMUPS2	C 001	0040	1202	
	09	JCBMUPS3	C 001	0020	1203	
	10	JCBMUPS4	C 001	0010	1204	
	11	JCBMUPS5	C 001	0008	1205	
	12	JCBMUPS6	C 001	0004	1206	
	13	JCBMUPS7	C 001	0002	1207	
	14	JCBMUPS8	C 001	0001	1208	
	15	JCBMUSLB	C 001	0004	1154	
	16	JCBMUKT	C 001	0020	1236	
	17	JCBMUSK	C 001	0010	1237	
	18	JCBMUINT	C 001	0008	1238	
	19	JCBMALIN	C 001	0040	1235	
	20	JCBMMPK	C 001	0004	1239	
	21	JCBMPNT	C 001	0080	1234	
	22	JCBMUCD	C 001	0004	1165	
	23	JCBMUREF	C 001	0040	1161	
	24	JCBMUDO	C 001	0001	1167	
	25	JCBMUDJ	C 001	0001	1144	
	26	JCBMUDS	C 001	0002	1143	
	27	JCBMUSCP	C 001	0008	1299	
	28	JCBMULPI	C 001	0004	1334	
	29	JCBMUSLP	C 001	0006	1335	
	30	JCBMUSLP	C 001	0008	1336	
	31	JCBSLCRT	C 001	EEEE	1216	
	32	JCBMUSOFF	C 001	0000	1215	
	33	JOBQ	C 001	006A	7808	6465
	34	JOBQ2	C 001	0086	8094	6466
	35	JOBSTR	C 001	0029	7146	
	36	KEYSORT	C 001	002A	7156	
	37	LIBRARY	C 001	0087	8104	
	38	LIBRLIBR	C 001	002B	7166	
	39	LINES	C 001	002C	7176	
	40	LISTFILE	C 001	002D	7186	
	41	LISTFIL2	C 001	002E	7197	
	42	LISTLIBR	C 001	002F	7207	
	43	LOAD	C 001	0088	8114	
	44	LOAD3601	C 001	0080	8522	
	45	LOC 4	C 001	0089	8125	
	46	LOCAN 249	A 001	0723	6306	5978
	47	LOG	C 001	0030	7217	6469
	48	LOC 2	C 001	008A	8135	6470
	49	MLDACTL	C 001	0008	1390	1392
	50	CLDADOR	C 001	0005	1370	1372
	51	MCLDCLAS	C 001	000C	1392	1394
	52	MCLDINTL	C 001	000D	1394	1395 1402
	53	MCLDJCBA	C 001	0008	1378	1382
	54	MCLDLGTH	C 001	0006	1372	1378

5/81 12:00	01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 210 W09/11/81 12/05/81 12:00
	02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
30804900	03			8327 *	HETBL V-DC,NAME-SESSION9,TYPE-3,NEXC-Y,NINPT-Y,PRIME-Y,	30809700
30805600	04			8328 *	MASK-01001011001000001111,NCALL-Y	30809800
	05			0090 8329	SESSION9 EQU 157	TABLE ENTRY NUMBER
	06	E020 B8	E020 8330	DC	AL1(128+0*32+16+8+0)	CTRL CODE
	07	E021 03	E021 8331	DC	AL1(0+0*3)	FORMAT TYPE BYTE
	08	E022 0000	E023 8332	DC	BL2'0000000000000000'	MANDATORY FIELD MASK
	09	E024 00	E024 8333	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT

	01	\$HELP SYSTEM/34 HELP UTILITY				
	02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
	03			8378 *		
	04			8379 *		
	05	E048 B8	E048 8381	DC	00A2 8380	SLSHASTR ER
	06	E049 03	E049 8382	DC		
	07	E04A 0000	E04B 8383	DC		
	08	E04C 00	E04C 8384	DC		

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CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	JCBMSRAL	C	001	0008	1309	
03	JCBMSYLB	C	001	0080	1295	
03	JCBMSYSN	C	001	0040	1192	
04	JCBMTHLK	C	001	0080	1305	
04	JCBMUPS1	C	001	0080	1201	
04	JCBMUPS2	C	001	0040	1202	
05	JCBMUPS3	C	001	0020	1203	
05	JCBMUPS4	C	001	0010	1204	
05	JCBMUPS5	C	001	0008	1205	
06	JCBMUPS6	C	001	0004	1206	
06	JCBMUPS7	C	001	0002	1207	
06	JCBMUPS8	C	001	0001	1208	
07	JCBMUSLB	C	001	0004	1154	
07	JCBMMDKT	C	001	0020	1236	
07	JCBMMDSK	C	001	0010	1237	
08	JCBMINT	C	001	0008	1238	
08	JCBMILIN	C	001	0040	1235	
08	JCBMMPK	C	001	0004	1239	
09	JCBMMPNT	C	001	0080	1234	
09	JCBMTCO	C	001	0004	1165	
09	JCBMREF	C	001	0040	1161	
09	JCBMTRDD	C	001	0001	1167	
10	JCBMILDJ	C	001	0001	1144	
10	JCBMILDS	C	001	0002	1143	
11	JCBM1SCP	C	001	0008	1299	
11	JCBM4LPI	C	001	0004	1334	
11	JCBM6LPI	C	001	0006	1335	
12	JCBM8LPI	C	001	0008	1336	
12	JCBSLCRT	C	001	EEEE	1216	
12	JCBSLOFF	C	001	0000	1215	
13	JOBQ	C	001	006A	7808	6465
13	JOBQ2	C	001	0086	8094	6466
13	JOBSTR	C	001	0029	7146	
14	KEYSORT	C	001	002A	7156	
14	LIBRARY	C	001	0087	8104	
14	LIBRLIBR	C	001	002B	7166	
15	LNES	C	001	002C	7176	
15	LISTFILE	C	001	002D	7186	
15	LISTFIL2	C	001	002E	7197	
16	LISTLIBR	C	001	002F	7207	
16	LOAD	C	001	0088	8114	
16	LOAD3601	C	001	0080	8522	
17	LOCAL	C	001	0089	8125	
17	LOG	C	001	0030	7217	6469
17	LOG2	C	001	008A	8135	6470
18	MCLDACTL	C	001	0008	1390	1392
18	MCLDADDR	C	001	0005	1370	1372
19	MCLDCLAS	C	001	000C	1392	1394
19	MCLDINTL	C	001	0000	1394	1395 1402
19	MCLDJCBA	C	001	0008	1378	1382
20	MCLDLGTH	C	001	0006	1372	1378

\$HELP SYSTEM/34 HELP UTILITY								
01	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
02					8378 *		HETBL	V-DC, NAME-SLSHASTR, PRIME-Y, TYPE-3, NEXEC-Y, NINPT-Y, 30890000
02					8379 *		MASK	'010010010000000111111111.NCALL-Y 30900000
03	E048	B8	E048	8381	DC	AL1(128+0+32+16+8+0)	CTRL	TABLE ENTRY NUMBER
03	E049	03	E049	8382	DC	AL1(0+0+3)	FORMAT	TABLE TYPE BYTE
04	E04A	0000	E04B	8383	DC	BL2'0000000000000000'	MANDATORY	FIELD MASK
04	E04C	00	E04C	8384	DC	AL1(#)	SUBROUTINE	TABLE DISPLACEMENT

30809700
30809800

01	ERR	LOC	OBJECT	CODE
02				
03	E070	80	E071	87
04	E072	0000	E074	00

15	0000	41	BETA	START 0	00770000
16		43 *	***AC	ATTR-BODDOD, RLD-0	
		44	LEVEL 00	RELEASE LEVEL	
		45	ATTR BODDOD	LIBRARY ATTRIBUTES	
		46	RLD 0	RLD OPTION	
17		47	PRNT 00	PRNT OPTION	
18		49	*** END OF EXPANSION **		
19					
20					

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01	CROSS-REFERENCE							
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES		
03	MURTEACE	C	001	0370	1550	1552		
	MURTPLAF	C	001	03F0	1569	1584		
	MURLSPACE	C	001	0320	1540	1542		
04	MURLORDI	C	001	2000	1593			
	MURSPACE	C	001	0340	1544	1546		
	MURWTOE	C	001	0390	1557	1559		
	MURPTIOB	C	001	01C0	1509	1712		
05	MURSSQS	C	001	1000	1590	1593		
	MURSPACE	C	001	0360	1548	1550		
	MURDIOB	C	001	0208	1529	1532		
06	MURSCA	C	001	0000	1503	1506 3500 ? :31 5115 5391 5438 5473 5581 5620		
	MURSPACE	C	001	03E0	1567	1569		
	MURSPACE	C	001	0350	1546	1548		
07	MURSPACE	C	001	0330	1542	1544		
	MURSPACE	C	001	0300	1535	1538		
	MURTRBUF	C	001	0700	1577	1579 1582 1584		
08	MURTRWQ	C	001	0..A3	1526	1529		
	MURTRWAL	C	001	0280	1518	1520 1526		
	MURTRWNR	C	001	0202	1520			
09	MURKIENT	C	001	0800	1573	1577 1588		
	MURTRWAL	C	001	0000	1501	1503		
	MURTRWFI	C	001	0020	1533	1535		
10	MURSPACE	C	001	0010	1536	1538 1540 1542 1544 1546 1548 1550 1552 1554 1567 1569		
	MURSPACEH	C	001	00C0	1507	1509		
	MURADARK	C	001	00C0	1580	1582		
11	MURLPTCB	C	001	0080	1516	1518		
	MURLNTIOB	C	001	0020	1510	1512 1514 1565		
	MURTPLAF	C	001	0310	1584			
12	MURSSQS	C	001	1000	1591	1593		
	MURDIOB	C	001	0038	1530	1532		
	MURSCA	C	001	0100	1504	1506		
13	MURWTOE	C	001	0008	1555	1557 1559 1561 1563		
	MURTRBUF	C	001	0100	1576	1577		
	MURTRWQ	C	001	0005	1527	1529		
14	MURTRWAL	C	001	0023	1519	1520 1526		
	MURKIENT	C	001	0800	1574	1588		
	MURBITS	C	001	000F	0947	4688		
15	MURTRWAL	C	001	1000	1588	1590		
	OCL	C	001	007A	7972	6439		
	OCL2	C	001	0078	7982			
16	OFF	C	001	00FE	7849	6501		
	OFF2	C	001	008E	8176	6502		
17	ONE	C	001	0001	0931	4076 4497 4643 4722 4986 5019 5121 5153 5183 5313 5342 5374		
	OP1	C	001	0002	0961	5432 5477 5525 5585 5626 5839 5896 5724		
	OP2	C	001	0004	0960			
18	ORGANIZE	C	001	0031	7227			
	ORGANIZ2	C	001	0132	7237			
	ORGANIZ3	C	001	0133	7248			
19	OVERRIDE	C	001	0034	7258			
	OVERRIDE2	C	001	0035	7268			
20	OVERRIDE3	C	001	0036	7278			

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2/05/81 12:00					PAGE 213	009/11/81	12/05/81	12:00
01	HELP SYSTEM/34 HELP UTILITY							
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
			2480 *		HETBL V-DC, ANVE-DEF INEPN, FRIME-Y, TYPE-7, PWD-000000000,		3104506	
			8481 *		MSK-010101010101000011111		31046550	
03	E098	80	E098	8483	DC	AL1(128+0+0+0+0) CTRL CODE		
	E099	07	E099	8484	DC	AL1(0+0+7) FORMAT TYPE BYTE		
	E09A	0000	E09B	8485	DC	BL2'000000000000000' MANDATORY FIELD MASK		
	E09C	00	E09C	8486	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT		
04	E09D	55541F	E09F	8487	DC	BL3'0101010101010000011111' 960 SCREEN MASK		

15	0010	89 BIT3	EQU	X'10'	MASK FOR BIT 3 -X...
	0008	90 BIT4	EQU	X'08'	MASK FOR BIT 4 -X...
	0004	91 BIT5	EQU	X'04'	MASK FOR BIT 5 -X..
	0002	92 BIT6	EQU	X'02'	MASK FOR BIT 6 -X..
16	0001	93 BIT7	EQU	X'01'	MASK FOR BIT 7 -X..
		94 *			
	0008	95 IARX	EQU	X'08'	IAR TRANSLATED
17	0004	96 OP2	EQU	X'04'	OP2 TRANSLATED
	0002	97 OP1	EQU	X'02'	OP1 TRANSLATED
	0000	98 PRV	EQU	X'00'	TASK PRIVELEDGED
18	0001	99 NPRV	EQU	X'01'	TASK NOT PRIVELEDGED
	0080	100 DSABL	EQU	X'80'	DISPATCHING DISABLED
19					101 *** END OF EXPANSTION **
20					

					0004
					0007
					0008
					0000
					0028
					0038
					0040
					0048
					0068

J01

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CROSS-REFERENCE					
01	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
03	OVERRID4	C	001	0037	7288
	OVERRID5	C	001	0038	7299
	PARM11	A	001	D72C	6315 5255* 5947* 6309
04	PATCH	C	001	008D	8656
	PAUSE	C	001	008F	8186
	PCE	C	001	00C0	8687 6441
	POST	C	001	0039	7309
05	POST2	C	001	003A	7319
	POST3	C	001	003B	7329
	POST4	C	001	003C	7339
06	POST5	C	001	003D	7350
	PPSCPB1T	C	001	0080	1607 3579
	PPSCRT1	C	001	0019	1626
07	PPSCRT2	C	001	0018	1627
	PPSEDFSG	C	001	0040	1608 4205 4841 5779
	PPSFLAG1	C	001	0001	1606 1611 3579 4205* 4841* 5779*
08	PPSLIBRA	C	001	0015	1622 1624
	PPSNLOG	C	001	0020	1609
	PPSPNAME	C	001	0027	1633 1635 3576
09	PPSPRG1L	C	001	0000	1617 1618
	PPSPRG1M	C	001	0005	1613 1614
	PPSPRG2L	C	001	000F	1618 1619
10	PPSPRG2M	C	001	0007	1614 1615
	PPSSGBEG	C	001	0003	1611 1613
	PPSSGBUF	C	001	001D	1628 1629
11	PPSSGCRT	C	001	001B	1625 1626 1627 1628
	PPSSGED	C	001	0018	1624 1625
	PPSSGLNR	C	001	001E	1629 1631 3562
12	PPSTAGID	C	001	0000	1604 1606 3652
	PPSUPTI	C	001	001F	1631 1633
	PPSUSR1L	C	001	0011	1619 1620
13	PPSUSR1M	C	001	0009	1615 1616
	PPSUSR2L	C	001	0013	1620 1622
	PPSUSR2M	C	001	000B	1616 1617
14	PPSVAR01	C	001	002F	1635 1637 3583 3584 3588 3590 3617 3649 4119* 4765 5751*
	PPSVAR02	C	001	0037	1637 1639 4314
	PPSVAR03	C	001	003F	1639 1641
15	PPSVAR04	C	001	0047	1641 1643
	PPSVAR05	C	001	004F	1643 1645
	PPSVAR06	C	001	0057	1645 1647
16	PPSVAR07	C	001	005F	1647 1649
	PPSVAR08	C	001	0067	1649 1651
	PPSVAR09	C	001	006F	1651 1653
17	PPSVAR10	C	001	0077	1653 1655
	PPSVAR11	C	001	007F	1655 4118 4118*
	PRETOR	C	001	003E	7360
18	PRINTER	C	001	0090	8196
	PRLIST	C	001	003F	7370
	PRLIST2	C	001	0040	7380
19	PRLIST3	C	001	0041	7390
	PRMENU	C	001	0042	7401
20	PROF	C	001	0043	7411

01	SYMBOL	T	LEN	VALUE	DEFN
03	PROMPT	C	001	0091	8206
	PRSAVE	C	001	0044	7421
	PRSFBDG	C	001	0014	1696
04	PRSFBDG	C	001	0045	1688
	PRSFBDG	C	001	0028	1675
	PRSFBDW	C	001	0043	1686
	PRSFCCD	C	001	0000	1682
05	PRSFCLAS	C	001	0001	1690
	PRSFCLS	C	001	000C	1665
	PRSFELG	C	001	0004	1692
06	PRSFIDB	C	001	0003	1691
	PRSFIDR	C	001	0041	1684
	PRSFIDG	C	001	0009	1697
07	PRSFIDB	C	001	0036	1677
	PRSFIDR	C	001	000F	1702
	PRSFIDT	C	001	0044	1687
08	PRSFIDW	C	001	0008	1671
	PRSFIDW	C	001	002E	1676
09	PRSFIDW	C	001	0007	1701
	PRSFIDW	C	001	0080	1666
	PRSFIDW	C	001	000B	1673
10	PRSFIDW	C	001	0040	1683
	PRSFIDW	C	001	0046	1689
	PRSFIDW	C	001	0020	1668
	PRSFIDW	C	001	0008	1664
11	PRSFIDW	C	001	0040	1678
	PRSFIDW	C	001	0042	1685
	PRSFIDW	C	001	0002	1672
12	PRSFIDW	C	001	0014	1669
	PRSFIDW	C	001	0040	1667
	PRSFIDW	C	001	0007	1663
13	PRSFIDW	C	001	0020	1674
	PRSFIDW	C	001	0010	1670
	PRSFIDW	C	001	0045	7431
14	PRSFIDW	C	001	0046	7441
	PRTY	C	001	006F	7859
15	PRV	C	001	0000	0962
	PSR	C	001	0004	0919
16	QCPLAIT	C	001	0008	2361
	QFRTXEM	C	001	0004	2358
17	QPLAIT	C	001	0008	2360
	QNCNPR1	C	001	0018	2369
	QNCN	C	001	0010	2363
18	QNCNV	C	001	0019	2368
	QNCREF	C	001	0002	2395
19	QREFRESH	C	001	0001	2354
	QSCT	C	001	0010	2362
	QSPEC	C	001	0009	2370
	QSYSREQ	C	001	0004	2357
20	QTOEXM	C	001	0008	2359
	QUALIT	C	001	0001	2353
	QKLOFF	C	001	0004	2356

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SHELP SYSTEM/34 HELP UTILITY					
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01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02			8531 *		HETBL V-DC, NAME-PRJE, SUBR-48, PRIME-Y, TYPE-7, 31050000
			8532 *		MASK-01011111010101000000 31060000
03		E0C0	80	E0C1	8533 PRJE EQU 177 TABLE ENTRY NUMBER
		E0C1	07	E0C1	8534 DC AL1(128+0+0+0+0) CTRL CODE
		E0C1	07	E0C1	8535 DC AL1(0+0+7) FORMAT TYPE BYTE
04		E0C2	0000	E0C4	8536 DC BL2'00000000000000' MANDATORY FIELD MASK
		E0C4	25	E0C4	8537 DC BL1(72) MANDATORY FIELD MASK

SHELP SYSTEM/34 HELP UTILITY					
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01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02					
03		E0E0	80	E0E0	8538 DC BL1(128+0+0+0+0) CTRL CODE
		E0E1	07	E0E1	8539 DC BL1(0+0+7) FORMAT TYPE BYTE
		E0E2	0000	E0E4	8540 DC BL2'00000000000000' MANDATORY FIELD MASK
		E0E4	25	E0E4	8541 DC BL1(72) MANDATORY FIELD MASK

6	145 *****
	146 *
7	147 * THE FOLLOWING EQUATES ARE USED BY ACTPP (// PROMPT)
	148 *
	149 *****
8	0000 151 HEDFUDSP EQU 0 DISP OF 1ST DFU ENTRY IN #HET9
	0028 152 HESDADSP EQU HEDFUDSP+5*HETBLLEN DISP OF 1ST SDA ENTRY IN #HET9
	0038 153 HESEUDSP EQU HESDADSP+2*HETBLLEN DISP OF 1ST SEU ENTRY IN #HET9
9	0040 154 HESRTDSP EQU HESEUDSP+1*HETBLLEN DISP OF 1ST SORT ENTRY IN #HET9
	0048 155 HESRSDSP EQU HESRTDSP+1*HETBLLEN DISP OF 1ST SRTX ENTRY IN #HET9
20	0068 156 HESJUDSP EQU HESRSDSP+4*HETBLLEN DISP OF 1ST SJU ENTRY IN #HET9

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
PROMPT	C	001	0091	8206	
PRSAVE	C	001	0044	7421	
PRSFBDG	C	001	0014	1696	
PRSFBBG	C	001	0045	1688	
PRSFBDG	C	001	0028	1675	
PRSFBLM	C	001	0043	1686	
PRSFCCD	C	001	0000	1682	
PRSFCLAS	C	001	0001	1690	
PRSFCLS	C	001	000C	1665	
PRSFILG	C	001	0004	1692	
PRSFIDB	C	001	0003	1691	
PRSFIDR	C	001	0041	1684	
PRSFIDG	C	001	0009	1697	
PRSFIDB	C	001	0036	1677	
PRSFIDR	C	001	000F	1702	
PRSFIDT	C	001	0044	1687	
PRSFMAN	C	001	0008	1671	3609
PRSFMEN	C	001	002E	1676	1677
PRSFENR	C	001	0007	1701	1702
PRSFMS	C	001	0080	1666	
PRSFMSK	C	001	0008	1673	
PRSFML	C	001	0040	1683	
PRSFMSF	C	001	0046	1689	
PRSFOP	C	001	0020	1668	
PRSFPS	C	001	0008	1664	
PRSFRLG	C	001	0040	1678	
PRSFRLF	C	001	0042	1685	
PRSFSAID	C	001	0002	1672	
PRSFSC	C	001	0014	1669	
PRSFSD	C	001	0040	1667	
PRSFUSD	C	001	0007	1663	
PRSFUSR	C	001	0020	1674	
PRSFUS	C	001	0010	1670	
PRSRC	C	001	0045	7431	
PRSRCID	C	001	0046	7441	
PRTY	C	001	006F	7859	
PRV	C	001	0000	0962	
PSR	C	001	0004	0919	
QCPLAIT	C	001	0008	2361	
QFRMEXM	C	001	0004	2358	
QWAIT	C	001	0008	2360	2368 2369 2370
QNCHPRI	C	001	0018	2369	
QNI	C	001	0010	2363	2368 2369
QNIQV	C	001	0019	2368	
QNIREF	C	001	0002	2355	
QREFRESH	C	001	0001	2354	
QSCT	C	001	0010	2362	
QSPEC	C	001	0009	2370	
QSYSREQ	C	001	0004	2357	
QTOEXM	C	001	0008	2359	
QWAIT	C	001	0001	2353	2368 2370 4504
QXLOFF	C	001	0004	2356	

HELP SYSTEM/34 HELP UTILITY

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
31050000			8572 *	HETBL	V-DC, NAME=STOPM, PRIME-Y, TYPE-7, MAND=1000000000,
31060000			8573 *	MSK	=010110100000000011111111
	E0E0 80	E0E0	8575	DC	AL1(128+0+0+0+0) CTRL CODE
	E0E1 07	E0E1	8576	DC	AL1(0+0+7) FORMAT TYPE BYTE
	E0E2 8000	E0E3	8577	DC	BL2'1000000000000000' MANDATORY FIELD MASK
	E0E4 00	E0E4	8578	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
	E0E5 5400FF	E0E7	8579	DC	BL3'010110100000000011111111' 960 SCREEN MASK

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
QMR2	C	001	0020	2364	
QNI	C	001	0040	2365	
QI	C	001	0000	2366	
QI	C	001	0001	2352	
QIWA	C	001	001A	3405	
QILOC	C	001	000C	3391	
QIHPRT	C	001	0030	3427	
QILOSE	C	001	0009	3382	
QIPI	C	001	002C	3423	
QIPIH	C	001	001B	3408	
QIPIRT	C	001	0015	3406	
QIPIIC	C	001	001F	3410	
QIPIALC	C	001	0000	3392	
QIPICALL	C	001	0013	3398	
QIPIGION	C	001	0092	8216	
QIPIKSK	C	001	0070	7876	
QIPIOND	C	001	0047	7452	
QIPIONE	C	001	0048	7462	
QIPIONE	C	001	0049	7472	
QIPIJ	C	001	0004	3383	
QIPIY	C	001	0071	7880	
QIPISTX	C	001	0082	8543	
QIPIERVE	C	001	0093	8227	
QIPIEST	C	001	0003	8001	
QIPIESP	C	001	004A	7482	
QIPIESTART	C	001	0072	7890	
QIPIESTORE	C	001	004B	7492	
QIPIESTORE2	C	001	004C	7502	
QIPIESTORE3	C	001	004D	7513	
QIPIETURN	C	001	0004	8091	
QIPIEXTND	C	001	002E	3425	
QIPIEXTMP	C	001	0038	3438	
QIPIEXTWA	C	001	0037	3434	
QIPIEXTND	C	001	0001	3380	
QIPIEXTNDTB	C	001	0019	3404	
QIPIEXTFAC	C	001	003A	3437	
QIPIEXTFLR	C	001	0039	3436	
QIPIEXTCDA	C	001	0032	3429	
QIPIEXTCDB	C	001	0033	3430	
QIPIEXTCIC	C	001	0034	3431	
QIPIEXTCDD	C	001	003D	3440	
QIPIEXTCIB	C	001	000F	3394	
QIPIEXTCERR	C	001	002D	3424	
QIPIEXTLIBRY	C	001	000A	3389	
QIPIEXTLOPEN	C	001	0016	3401	
QIPIEXTLOPFLINE	C	001	0027	3418	
QIPIEXTLOPEN	C	001	0002	3381	
QIPIEXTLOPGLT	C	001	0012	3397	
QIPIEXTLOPRALEN	C	001	0014	3399	
QIPIEXTLOPRA2	C	001	002B	3422	
QIPIEXTLOPRA3	C	001	0041	3444	
QIPIEXTLOPRA3	C	001	0000	3379	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	E0F0 80	E0F0	8575	DC	AL1(128+0+0+0+0) CTRL CODE
	E0F1 08	E0F1	8576	DC	AL1(0+0+7) FORMAT TYPE BYTE
	E0F2 8000	E0F3	8577	DC	BL2'1000000000000000' MANDATORY FIELD MASK
	E0F4 00	E0F4	8578	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
	E0F5 5D501F	E0F7	8579	DC	BL3'010110100000000011111111' 960 SCREEN MASK

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0020 80
0021 06
0022 8000
0024 00
0025 555555

0028 80

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CROSS-REFERENCE

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
QXR2	C	001	0020	2364	
QXU	C	001	0040	2365	
QO	C	001	0000	2366	
Q1	C	001	0001	2352	
RAFA	C	001	001A	3405	
RALLOC	C	001	000C	3391	
RCHKPT	C	001	0030	3427	
RCLOSE	C	001	0003	3382	
RCPD	C	001	002C	3423	
RCPERR	C	001	001D	3408	
RCPRT	C	001	0015	3400	
RCPTC	C	001	001F	3410	
RDALOC	C	001	0000	3392	
RDMCALL	C	001	0013	3398	
REGION	C	001	0092	8216	
RELEASE	C	001	0070	7870	
RELOAD	C	001	0047	7452	
REMOVE	C	001	0048	7462	
RENAME	C	001	0049	7472	
REDJ	C	001	0004	3383	
REPLY	C	001	0071	7880	
REQUESTX	C	001	0082	8543	
RESERVE	C	001	0093	8227	
RESET	C	001	0003	8881	
RESPONSE	C	001	004A	7482	
RESTART	C	001	0072	7890	
RESTORE	C	001	004B	7492	
RESTORE2	C	001	004C	7502	
RESTORE3	C	001	004D	7513	
RETURN	C	001	0004	8891	
REXTND	C	001	002E	3425	
REXTNP	C	001	003B	3438	
REXTRA	C	001	0037	3434	
RFIND	C	001	0001	3380	
RFINDLIB	C	001	0019	3404	
RGLFAC	C	001	003A	3437	
RGLFR	C	001	0039	3436	
RICDA	C	001	0032	3429	
RICDB	C	001	0033	3430	
RICDC	C	001	0034	3431	
RICDD	C	001	003D	3440	
RINFO	C	001	000F	3394	
RTOERR	C	001	002D	3424	
RLIBRY	C	001	000A	3389	
RLOPEN	C	001	0016	3401	
ROFFLINE	C	001	0027	3418	
ROPEN	C	001	0002	3381	
RPGHLT	C	001	0012	3397	
RPRALGN	C	001	0014	3399	
RPRAZ	C	001	002B	3422	
RRODM	C	001	0041	3444	
RRSV000	C	001	0000	3379	

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\$HELP SYSTEM/34 HELP UTILITY

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31086000
31088000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
				8593 *	HETBL V-DC,NAME-APAR,PRIME-Y,TYPE-8,MAND-100000000,
				8594 *	MASK-010111010100000011111
				00B7 8595 APAR	EQU 183 TABLE ENTRY NUMBER
	E0F0 80	E0F0	8596	DC	AL1(128+0+0+0+0) CTRL CODE
	E0F1 08	E0F1	8597	DC	AL1(0+0+8) FORMAT TYPE BYTE
	E0F2 8000	E0F3	8598	DC	BL2'1000000000000000' MANDATORY FIELD MASK
	E0F4 00	E0F4	8599	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
	E0F5 5D501F	E0F7	8600	DC	BL3'010111010100000011111' 960 SCREEN MASK

\$HELP SYSTEM/34 HELP

ERR LOC OBJECT CODE

E108 80
E109 08
E10A 0000
E10C 00
E10D 50007F

H03

15	206	END OF EXPANSION							
16	209 *	HETBL V-DC, NAME-FORTMOVE, PRIME-Y, TYPE-6, MAND-1000000000,				00530000			
	210 *	MASK-010101010101010101010101010101				00540000			
	0004 211	FORTMOVE EQU 4	TABLE ENTRY NUMBER						
	0020 212	DC AL1(128+0+0+0+0) CTRL CODE							
	0021 06	0021 213	DC AL1(0+0+6) FORMAT TYPE BYTE						
17	0022 8000	0023 214	DC BL2'1000000000000000' MANDATORY FIELD MASK						
	0024 00	0024 215	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT						
	0025 555555	0027 216	DC BL3'01010101010101010101' 960 SCREEN MASK						
18		218 *** END OF EXPANSION **							
	219 *	HETBL V-DC, NAME-FORTPRINT, PRIME-Y, TYPE-6, MAND-1000000000,				00550000			
19	220 *	MASK-01010101010101000011111				00560000			
	0005 221	FORTPRINT EQU 5	TABLE ENTRY NUMBER						
20	0028 80	0028 222	DC AL1(128+0+0+0+0) CTRL CODE						

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
RSALOC	C	001	000E	3393
RSETX	C	001	0020	3411
RSETG	C	001	0008	3387
RSIN	C	001	0007	3386
RSLIST	C	001	0006	3385
RSLOG	C	001	0005	3384
RSMFC	C	001	003C	3439
RSMSG	C	001	0009	3388 6033
RSNAP	C	001	0011	3396
RSORT	C	001	0036	3433
RSPALC	C	001	001C	3407
RSPMIC	C	001	0031	3428
RSPool	C	001	0018	3406
RSPQMG	C	001	0043	3446 3447
RSVNR	C	001	0022	3413
RSVTX	C	001	0035	3432
RSWSDM	C	001	0018	3403
RTTC	C	001	001E	3409
RUN	C	001	0094	8237
RUPDAT	C	001	002F	3426
RVTOCFD	C	001	0008	3390
RVTORD	C	001	0010	3395
RWDAF	C	001	0024	3415
RWDCP	C	001	002A	3421
RWDDA	C	001	0026	3417
RWDOB	C	001	0021	3412
RWDOG	C	001	0023	3414
RWDDH	C	001	0028	3419
RWDDL	C	001	0038	3435
RWDDO	C	001	0025	3416
RWDDQ	C	001	0029	3420
RWDDT	C	001	003F	3442
RWDDU	C	001	003E	3441
RWDHH	C	001	0042	3445
RWEGE	C	001	0040	3443
RWSDM	C	001	0017	3402
RXTEND	C	001	0043	3447 3449 3450
SAVE	C	001	004E	7523
SAVELTBR	C	001	0051	7553
SAVE2	C	001	004F	7533
SAVE3	C	001	0050	7543
SCAMNDM	C	001	0083	2167 2168
SCAMICOM	C	001	0083	2168
SCAMIDB0	C	001	00AD	2164
SCAMIDB1	C	001	00AF	2165
SCAMIDB2	C	001	00B1	2166
SCAMIDB3	C	001	00B5	2174
SCAP2KMS	C	001	000C	1738 1742
SLACKRST	C	001	0080	2225
SCACONFG	C	001	002F	1867 1869
SCACSATB	C	001	0084	2017 2019
SCACSIZE	C	001	0011	1781 1784

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\$HELP SYSTEM/34 HELP UTILITY				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
			8624 *	HETBL V-DC, NAME-DFA, PRIME-Y, TYPE-8,
			8625 *	MASK-010111010000000001111111
03	E108 80	008A	8626 DFA	EQU 186 TABLE ENTRY NUMBER
	E109 08	E108	8627	DC AL1(128+0+0+0+0) CTRL CODE
	E10A 0000	E109	8628	DC AL1(0+0+8) FORMAT TYPE BYTE
	E10C 00	E108	8629	DC BL2'0000000000000000' MANDATORY FIELD MASK
	E10D 5D007F	E10C	8630	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		E10F	8631	DC BL3'010111010000000001111111' 960 SCREEN MASK

15	0049 06	0049 06		
16	004A 8000	004A 8000		
	004C 00	004C 00		
	004D 555556	004D 555556		
17				
18	0050 80	0050 80		
	0051 06	0051 06		
	0052 8000	0052 8000		
	0054 00	0054 00		
	0055 555555	0055 555555		

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN
SCACS16K	C	001	0004	1782
SCADAN2K	C	001	007A	2008
SCADPTUB	C	001	0052	1897
SCADINACT	C	001	0077	1906
SCADISCT	C	001	0053	1899
SCADCFG5	C	001	00AD	2153
SCADCFG1	C	001	0012	1784
SCADCFG2	C	001	0013	1799
SCADCFG3	C	001	0014	1812
SCADCFG6	C	001	00C4	2222
SCADCFG7	C	001	009F	2102
SCADCFG8	C	001	00A7	2129
SCADCFG9	C	001	00AD	2139
SCADCF52	C	001	0008	1736
SCADCFTR	C	001	0018	1835
SCADCOM1	C	001	0093	2087
SCADCPM8	C	001	0040	1892
SCADCF51	C	001	0070	1963
SCADCF52	C	001	0071	1973
SCADCF53	C	001	00C3	2212
SCADCF54	C	001	00C0	2180
SCADCPAD	C	001	0082	2015
SCADCPYR	C	001	00FF	2270
SCADCF51	C	001	008C	2024
SCADCF52	C	001	008B	2034
SCADCF53	C	001	008E	2044
SCADCTUT	C	001	0060	1937
SCADDATE	C	001	005F	1935
SCADDAY	C	001	005F	1934
SCADNYIC	C	001	0001	1716
SCADNIST	C	001	0051	1896
SCADNFK8	C	001	00M4	2124
SCADNCS8	C	001	00C6	2234
SCADNCFG	C	001	0040	1751
SCADNKG8	C	001	0008	2258
SCADNKLAC	C	001	0068	1953
SCADNLF1	C	001	004F	1894
SCADNLP	C	001	0091	2056
SCADNTR	C	001	00E0	2272
SCADNCFG	C	001	0079	1998
SCADNCTR	C	001	0078	2010
SCADNERP	C	001	0040	1891
SCADNGDI	C	001	0073	1983
SCADNIDP	C	001	007E	2012
SCADNITH	C	001	005E	1933
SCADNIDP	C	001	0017	1833
SCADNINT	C	001	008B	2022
SCADNTUB	C	001	0060	1958
SCADPIND	C	001	0010	1777
SCADPSVC	C	001	0000	1719
SCADPTUB	C	001	006F	1959
SCADREJA	C	001	0092	2085

\$HELP SYSTEM/34 HELP UTILITY				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
03	E128 80			
	E129 08			
	E12A 0000			
	E12C 00			
	E12D 5D007F			

0075 555556
00650000
00660000
0075 555556

0077 316	DC	BL3'0101010101010101010110' 960 SCREEN MASK
318 ***	END OF EXPANSION **	
319 *	HETBL V-DC,NAME-SHFPRINT,PRIME-Y,TYPE-8,	00750000
320 *	MASK-0101010101010101010110	00760000
000F	321 SHFPRINT EQU 15	TABLE ENTRY NUMBER
0078 80	0078 322 DC	AL1(128+0+0+0+0) CTRL CODE
0079 08	0079 323 DC	AL1(0+0+8) FORMAT TYPE BYTE
007A 0000	007B 324 DC	BL2'0000000000000000' MANDATORY FIELD MASK
007C 00	007C 325 DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
007D 555556	007F 326 DC	BL3'0101010101010101010110' 960 SCREEN MASK
328 ***	END OF EXPANSION **	
329 *	HETBL V-DC,NAME-SHFSTAR2,TYPE-8,	00763000
330 *	MASK-0000000000000101010111	00766000

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CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCADREL#	C	001	0016	1832	1833
SCADREQJ	C	001	0095	2083	2084 2085 :089
SCADRFTR	C	001	00CE	2236	2238
SCADRS2	C	001	007F	2013	2014
SCADRSEC	C	001	00A2	2122	2124
SCADRSPC	C	001	00BF	2178	2180
SCADS8FP	C	001	004B	1889	1891
SCADSCIM	C	001	007D	2011	2012
SCADSOLP	C	001	009E	2100	2102
SCADSOLS	C	001	009D	2099	2100
SCADSECA	C	001	0076	1984	1986
SCADSEC2	C	001	0080	2014	2015
SCADSEUB	C	001	0057	1903	1904
SCADSEUQ	C	001	0059	1904	1905 1907
SCADSL0G	C	001	005A	1907	1911
SCADSL0T	C	001	008A	2020	2022
SCADSNAT	C	001	0090	2054	2056
SCADSNAL	C	001	0098	2097	2098
SCADSNAT7	C	001	009C	2098	2099
SCADSP1a	C	001	000A	1734	1736
SCADSSQS	C	001	0099	2093	2095
SCADSSCS	C	001	002B	1864	1865
SCADSS10	C	001	002D	1865	1867
SCADSSJQ	C	001	0044	1878	1880
SCADSSPS	C	001	0029	1863	1864
SCADSSPF	C	001	0009	2260	3531
SCADSSPR	C	001	0047	1880	1888
SCADSSVC	C	001	0005	1721	1723
SCADTBUF	C	001	0097	2089	2091
SCADTKSZ	C	001	00AA	2151	2153
SCADTL0K	C	001	0002	2051	
SCADTRSZ	C	001	009A	2095	2097
SCADUCFG	C	001	0006	2238	2239 2240 2241 2242 2258
SCADUDT1	C	001	0005	2239	
SCADUDT2	C	001	0003	2240	
SCADUDT3	C	001	0001	2241	
SCADUDT4	C	001	00CF	2242	
SCADVICE	C	001	0055	1901	1903
SCADVDBR	C	001	00B7	2176	2178
SCADVDBT	C	001	00AC	2163	2164 2165 2166 2167 2174
SCADWRKA	C	001	00A6	2127	2129
SCADUSQS	C	001	0098	2091	2093
SCADXM1D	C	001	00C2	2190	2192 2202 2212
SCADXM11	C	001	00C1	2192	
SCADXM12	C	001	00C2	2202	
SCADXSLT	C	001	00B5	2019	2020
SCADXSVC	C	001	0003	1720	
SCADXTA	C	001	0078	1988	1998
SCADYEAR	C	001	005D	1932	1933
SCAFVTOC	C	001	001E	1854	1855
SCAFVT0N	C	001	0020	1855	1857
SCAFVFCUR	C	001	0035	1871	1873

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31210000			
31220000			

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SHELP SYSTEM/34 HELP UTILITY			
ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT
		8706 *	HETBL V-DC,NAME-SUB1,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,SPLIT-Y,
		8707 *	MASK-0111111111000000000111,NCALL-Y,ROLL-Y
		00C2	8708 SUB1 EQU 194
			TABLE ENTRY NUMBER
E146 FC		E148	8709 DC
E149 G-		E149	8710 DC
			AL1(128+64+32+16+8+4) CTRL CODE
			AL1(0+0+4) FORMAT TYPE BYTE
E14A 0000		E14B	8711 DC
E14C 00		E14C	8712 DC
E14D 7FC007		E14F	8713 DC
			BL2'0000000000000000' MANDATORY FIELD MASK
			AL1(*) SUBROUTINE TABLE DISPLACEMENT
			BL3'01111111111000000000111' 960 SCREEN MASK

0075 555556
00650000
00660000
0075 555556

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CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCAFERR	C				
SCAFFS12	C				
SCAFLPK	C				
SCAFLM1	C				
SCAFLM5	C				
SCAFLM6	C				
SCAFLM7	C				
SCAFLM8	C				
SCAFLM9	C				
SCAFLM10	C				
SCAFLM11	C				
SCAFLM12	C				
SCAFLM13	C				
SCAFLM14	C				
SCAFLM15	C				
SCAFLM16	C				
SCAFLM17	C				
SCAFLM18	C				
SCAFLM19	C				
SCAFLM20	C				
SCAFLM21	C				
SCAFLM22	C				
SCAFLM23	C				
SCAFLM24	C				
SCAFLM25	C				
SCAFLM26	C				
SCAFLM27	C				
SCAFLM28	C				
SCAFLM29	C				
SCAFLM30	C				
SCAFLM31	C				
SCAFLM32	C				
SCAFLM33	C				
SCAFLM34	C				
SCAFLM35	C				
SCAFLM36	C				
SCAFLM37	C				
SCAFLM38	C				
SCAFLM39	C				
SCAFLM40	C				
SCAFLM41	C				
SCAFLM42	C				
SCAFLM43	C				
SCAFLM44	C				
SCAFLM45	C				
SCAFLM46	C				
SCAFLM47	C				
SCAFLM48	C				
SCAFLM49	C				
SCAFLM50	C				
SCAFLM51	C				
SCAFLM52	C				
SCAFLM53	C				
SCAFLM54	C				
SCAFLM55	C				
SCAFLM56	C				
SCAFLM57	C				
SCAFLM58	C				
SCAFLM59	C				
SCAFLM60	C				
SCAFLM61	C				
SCAFLM62	C				
SCAFLM63	C				
SCAFLM64	C				
SCAFLM65	C				
SCAFLM66	C				
SCAFLM67	C				
SCAFLM68	C				
SCAFLM69	C				
SCAFLM70	C				
SCAFLM71	C				
SCAFLM72	C				
SCAFLM73	C				
SCAFLM74	C				
SCAFLM75	C				
SCAFLM76	C				
SCAFLM77	C				
SCAFLM78	C				
SCAFLM79	C				
SCAFLM80	C				
SCAFLM81	C				
SCAFLM82	C				
SCAFLM83	C				
SCAFLM84	C				
SCAFLM85	C				
SCAFLM86	C				
SCAFLM87	C				
SCAFLM88	C				
SCAFLM89	C				
SCAFLM90	C				
SCAFLM91	C				
SCAFLM92	C				
SCAFLM93	C				
SCAFLM94	C				
SCAFLM95	C				
SCAFLM96	C				
SCAFLM97	C				
SCAFLM98	C				
SCAFLM99	C				
SCAFLM100	C				

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SHELP SYSTEM/34 HELP UTILITY			
ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT
E170 B8			
E171 04			
E172 0000			
E174 00			
E175 7E			

00750000
00760000
00763000
00766000

15	
16	
17	
18	
19	
20	

15	HEFRTOESP C 001 0000 0161
16	HENDCALL C 001 0008 0116
17	HENDINPT C 001 0010 0115
18	HENTEKEX C 001 0020 0114
19	HEOCL C 001 0003 0133
20	HEOLEDSP C 001 0030 0162
	HEPCE C 001 0004 0134
	HEPRIME C 001 0080 0112
	HEPROC C 001 0001 0131
	HEROLL C 001 0004 0117
	HERPGDSP C 001 0038 0163
	HESDADSP C 001 0028 0152
	HESEUDSP C 001 0038 0153

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01	CROSS-REFERENCE				01
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
03	SCAFERR	C 001	0080	1912	
04	SCAFHSI2	C 001	0033	1870	1871
05	SCAIPLLX	C 001	0060	1955	
06	SCAIPLW1	C 001	0068	1956	
07	SCAIPLW5	C 001	0095	2084	
08	SCAIPLW6	C 001	0059	1905	
09	SCAIVTDC	C 001	0022	1857	1858
10	SCAIVTON	C 001	0023	1858	1860
11	SCALOGSS	C 001	0027	1861	1863
12	SCAMACDP	C 001	0004	2030	
13	SCAMACDV	C 001	0010	2028	
14	SCAMACMG	C 001	0008	2029	
15	SCAMACSP	C 001	0002	2031	
16	SCAMACU1	C 001	0008	2073	
17	SCAMACU2	C 001	0004	2074	
18	SCAMACU3	C 001	0002	2075	
19	SCAMACU4	C 001	0001	2076	
20	SCAMALL	C 001	0040	1965	
21	SCAMARRR	C 001	0040	2026	3500 5115 5391 5438 5473 5581 5620
22	SCAMATBS	C 001	0080	1922	
23	SCAMAUTO	C 001	0080	1785	
24	SCAMXARG	C 001	000E	1744	1746
25	SCAMBADG	C 001	0040	2155	
26	SCAMBSCA	C 001	0080	1813	
27	SCAMBSV	C 001	0015	1822	1832
28	SCAMCCHK	C 001	0040	1923	
29	SCAMCFER	C 001	0020	2047	
30	SCAMCFES	C 001	0004	1828	
31	SCAMCLOG	C 001	0010	1826	
32	SCAMCLOK	C 001	0002	1918	
33	SCAMCNDE	C 001	0001	1810	
34	SCAMCNAT	C 001	0080	1800	
35	SCAMCOUT	C 001	0040	1975	
36	SCAMCPAF	C 001	0010	1977	
37	SCAMCPL	C 001	0080	1964	
38	SCAMCRAN	C 001	0008	1790	
39	SCAMCRT	C 001	0010	1909	
40	SCAMDATE	C 001	0008	1926	
41	SCAMDOCKF	C 001	0040	2214	
42	SCAMCEAD	C 001	0001	1830	
43	SCAMDELE	C 001	0004	1979	
44	SCAMDFA	C 001	0010	2228	
45	SCANDOM	C 001	0002	1928	
46	SCANDPOK	C 001	00A5	1778	
47	SCANDPUS	C 001	005A	1779	
48	SCAMDREC	C 001	0080	1999	
49	SCAMDSI2	C 001	0001	1759	
50	SCAMDSKS	C 001	0081	1758	
51	SCAMDUAL	C 001	0080	1747	
52	SCAMEDOM	C 001	0001	2232	
53	SCAMEJCT	C 001	0004	1917	
54	SCAMERP	C 001	0001	1971	

01	SYMBOL	T LEN	VALUE	DEFN
02	SCAFFAIL	C 001	0010	2038
03	SCAFLOC	C 001	0010	2114
04	SCAFORK	C 001	0020	2037
05	SCAFUND	C 001	0004	2218
06	SCAFHALC	C 001	0020	2112
07	SCAFHDEL	C 001	0040	2106
08	SCAFHELP	C 001	0020	1976
09	SCAFHFN	C 001	0020	2109
10	SCAFHLP	C 001	0020	1924
11	SCAFHVSZ	C 001	000F	2118
12	SCAFHWRP	C 001	0080	2103
13	SCAFICR1	C 001	0008	2039
14	SCAFICR2	C 001	0002	2041
15	SCAFICS	C 001	0004	1818
16	SCAFIEXC	C 001	0008	2229
17	SCAFIOCL	C 001	0010	2216
18	SCAFIPL	C 001	0010	1915
19	SCAFIPLA	C 001	0080	1942
20	SCAFIPLC	C 001	0040	1913
21	SCAFIPUP	C 001	0010	1925
22	SCAFJOBQ	C 001	0020	1802
23	SCAFJOPH	C 001	0002	1794
24	SCAFJQHD	C 001	0004	1792
25	SCAFJQS	C 001	0004	1969
26	SCAFKEYS	C 001	0080	1974
27	SCAFKCKF	C 001	0080	2261
28	SCAFKMSG	C 001	0002	1809
29	SCAFLATF	C 001	0008	2217
30	SCAFLOAF	C 001	0002	1819
31	SCAFNGER	C 001	0080	2035
32	SCAFINTI	C 001	0080	2068
33	SCAFINT2	C 001	0040	2069
34	SCAFINT3	C 001	0020	2070
35	SCAFINT4	C 001	0010	2071
36	SCAFISNF	C 001	0020	2195
37	SCAFLOTR	C 001	0020	1991
38	SCAFLOTX	C 001	0040	1990
39	SCAF11TR	C 001	0001	1843
40	SCAF11TX	C 001	0010	1839
41	SCAF12TR	C 001	0002	1842
42	SCAF12TX	C 001	0020	1838
43	SCAF13TR	C 001	0004	1841
44	SCAF13TX	C 001	0040	1837
45	SCAF14TR	C 001	0008	1840
46	SCAF14TX	C 001	0080	1836
47	SCAF152	C 001	0080	1823
48	SCAFPLCA	C 001	0080	2045
49	SCAFPRJE	C 001	0040	1815
50	SCAFPSBL	C 001	0008	1978
51	SCAFDDDD	C 001	0001	2220
52	SCAFOTTO	C 001	0001	1820
53	SCAFPIE	C 001	0002	1829

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01	\$HELP SYSTEMV34 HELP UTILITY				01
02	ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT	
03			8757 *	HETBL V-DC,NAME-SUB6,PRIME-Y,TYPE-4,NEKEX-Y,NINPT-Y,	
04			8758 *	MASK-0111111111110000000000,NCALL-Y	
05			00C7 8759	SUB6 EQU 199 TABLE ENTRY NUMBER	
06	E170 B8	E170 8760	DC	AL1(128+0+32+16+8+0) CTRL CODE	
07	E171 04	E171 8761	DC	AL1(0+0+4) FORMAT TYPE BYTE	
08	E172 0000	E173 8762	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
09	E174 00	E174 8763	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
10	E175 7FF800	E177 8764	DC	BL3'01111111111111110000000000' P&O SCREEN MASK	

01	\$HELP SYSTEMV34 HELP UTILITY			
02	ERR LOC	OBJECT CODE	ADDR	
03	E198 FC		E198	
04	E199 04		E199	
05	E19A 0000		E19B	
06	E19C 00		E19C	
07	E19D 7FF003		E19D	

15	HEFRTDSP	C	001	0000	0161	0162
	HELANG	C	001	0006	0136	
	HEMNDYSK	C	001	0003	0140	0141
16	HENDCALL	C	001	0008	0116	
	HENDINPT	C	001	0010	0115	
	HENTEXEC	C	001	0020	0114	
17	HEOCL	C	001	0003	0133	
	HEOLEDSP	C	001	0030	0162	0163
	HEPCE	C	001	0004	0134	
18	HEPRIME	C	001	0080	0112	
	HEPROC	C	001	0001	0131	
	HEROLL	C	001	0004	0117	
19	HERPGDSP	C	001	0038	0163	0164
	HESDADSP	C	001	0028	0152	0153
	HESEUDSP	C	001	0038	0153	0154
20						

15	SIX	C	001	0006	0072	
	SXF	C	001	0000	0291	
	SXFPRINT	C	001	000F	0321	
16	SXFSTART	C	001	0000	0301	
	SXFSTAR2	C	001	0010	0331	
	SXFSTOP	C	001	000E	0311	
17	THREE	C	001	0003	0069	
	TRUE	C	001	0010	0077	
	TWO	C	001	0002	0068	
18	UNCOND	C	001	0087	0079	
	XRI	C	001	0001	0053	
	XR2	C	001	0002	0054	
19	ZERO	C	001	0000	0066	
	ZONEBITS	C	001	00F0	0084	
20	TOTAL STATEMENTS FLAGGED IN					
	STATEMENTS FLAGGED AS WARN					

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CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SCAMFAIL	C	001	0010	2038	
	SCAMFLOC	C	001	0010	2114	
	SCAMFORX	C	001	0020	2037	
	SCAMFUND	C	001	0004	2218	
04	SCAMHALC	C	001	0020	2112	
	SCAMHDEL	C	001	0040	2106	
	SCAMHELP	C	001	0020	1976	
05	SCAMHFN	C	001	0020	2109	
	SCAMHLDP	C	001	0020	1924	
	SCAMHVSZ	C	001	000F	2118	
06	SCAMHWRP	C	001	0080	2103	
	SCAMICR1	C	001	0008	2039	
	SCAMICR2	C	001	0002	2041	
07	SCAMICS	C	001	0004	1818	
	SCAMIEXC	C	001	0008	2229	
	SCAMIOCL	C	001	0010	2216	
08	SCAMIPL	C	001	0010	1915	
	SCAMIPLA	C	001	0080	1942	
	SCAMIPLC	C	001	0040	1913	
09	SCAMIPUP	C	001	0010	1925	
	SCAMJOBQ	C	001	0020	1802	
	SCAMJQFM	C	001	0002	1794	
10	SCAMJQHD	C	001	0004	1792	
	SCAMJQS	C	001	0004	1969	
	SCAMKEYS	C	001	0080	1974	
11	SCAMKXKF	C	001	0080	2261	3531
	SCAMKXSG	C	001	0002	1809	
	SCAMLATF	C	001	0008	2217	
12	SCAMLCAF	C	001	0002	1819	
	SCAMLGER	C	001	0080	2035	
	SCAMLINI	C	001	0080	2068	
13	SCAMLIN2	C	001	0040	2069	
	SCAMLIN3	C	001	0020	2070	
	SCAMLIN4	C	001	0010	2071	
14	SCAMLSMF	C	001	0020	2195	
	SCAMLOTR	C	001	0020	1991	
	SCAMLOTX	C	001	0040	1990	
15	SCAML1TR	C	001	0001	1843	
	SCAML1TX	C	001	0010	1839	
	SCAML2TR	C	001	0002	1842	
16	SCAML2TX	C	001	0020	1838	
	SCAML3TR	C	001	0004	1841	
	SCAML3TX	C	001	0040	1837	
17	SCAML4TR	C	001	0008	1840	
	SCAML4TX	C	001	0080	1836	
	SCAMPD32	C	001	0080	1823	
18	SCAMPILCA	C	001	0080	2045	
	SCAMPJRJE	C	001	0040	1815	
	SCAMPISBL	C	001	0008	1978	
19	SCAMPDOD	C	001	0001	2220	
	SCAMPOTD	C	001	0001	1820	
20	SCAMPTE	C	001	0002	1829	

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\$HELP SYSTEM/34 HELP UTILITY						
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
			8808 *		HETBL	V-DC, NAME-CONDA, PRIME-Y, TYPE-4, NEXEC-Y, NIMPT-Y, SPLIT-Y, 31470000
			8809 *		MASK-011111111111000000000011, NCALL-Y, ROLL-Y	31480000
03	E198 FC		E198	8810	CONDA	EQU 204 TABLE ENTRY NUMBER
	E199 04		E198	8811	DC	AL1(128+64+32+16+8+4) CTRL CODE
	E19A 0000		E199	8812	DC	AL1(0+0+4) FORMAT TYPE BYTE
04	E19C 00		E198	8813	DC	BL2'0000000000000000' MANDATORY FIELD MASK
	E19D 7FE003		E19C	8814	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT
			E19E	8815	DC	BL2'011111111111000000000011, DC SCREFL MASK

\$HELP SYSTEM/34 HELP UTILITY						
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
03	E1C0 F4					
	E1C1 04					
	E1C2 0000					
04	E1C4 00					
	E1C5 3FE003					

15	SIX	C	001	0006	0072		
	SMF	C	001	000C	0291		
	SMFPRINT	C	001	000F	0321		
16	SMFSTART	C	001	000D	0301		
	SMFSTAR2	C	001	0010	0331		
	SMFSTOP	C	001	000E	0311		
17	THREE	C	001	0003	0069		
	TRUE	C	001	0010	0077		
	TWO	C	001	0002	0068		
18	UNCOND	C	001	0087	0079		
	XR1	C	001	0001	0053		
	XR2	C	001	0002	0054		
19	ZERO	C	001	0000	0066		
	ZONEBITS	C	001	00F0	0084		
	TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY =				0		
20	STATEMENTS FLAGGED AS WARNINGS =				0		

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		PAGE 258 V09/11/81 12/05/81 12:00					
CROSS-REFERENCE							
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
02	SCAMPVK	C	001	0040	2036		
03	SCAMPREP	C	001	0001	1919		
	SCAMPRT	C	001	00E0	1908		
04	SCAMPRI0	C	001	0001	2256		
	SCAMPRI20	C	001	0002	2255		
	SCAMPRI40	C	001	0004	2254		
	SCAMPRI80	C	001	0008	2253		
05	SCAMPUSF	C	001	0040	1801		
	SCAMPBLD	C	001	0008	1916		
	SCAMPFCG	C	001	0002	2147		
06	SCAMPILP	C	001	0020	2215		
	SCAMPSEC	C	001	0080	2154		
	SCAMPINAV	C	001	0040	2142		
07	SCAMPJCF	C	001	0001	2148		
	SCAMPJFT	C	001	0010	2144		
	SCAMPJNV	C	001	0020	2143		
08	SCAMPMS	C	001	0008	1817		
	SCAMPMSA	C	001	0080	2140		
	SCAMPMSP	C	001	0040	2131		
09	SCAMPMSV	C	001	0008	2145		
	SCAMPZK	C	001	000D	1742	1744	
	SCAMPACT	C	001	0010	1788		
10	SCAMPSEC	C	001	0002	1970		
	SCAMPFLG	C	001	0008	1827		
	SCAMPIZE	C	001	0006	1723	1731	
11	SCAMPJE	C	001	0020	1966		
	SCAMPJHF	C	001	0020	1825		
	SCAMPJFC	C	001	0020	2227		
12	SCAMPJFM	C	001	0040	1824		
	SCAMPJNA	C	001	0010	1816		
	SCAMPJPB	C	001	0001	1797		
13	SCAMPJGP	C	001	0020	1787		
	SCAMPJPL	C	001	0010	1803		
	SCAMPJPK	C	001	0040	2194		
14	SCAMPJJE	C	001	0020	1814		
	SCAMPJST	C	001	0008	1968		
	SCAMPJUBS	C	001	0004	2230		
15	SCAMPJWAP	C	001	0004	2146		
	SCAMPJ32K	C	001	0010	1729		
16	SCAMPJ40K	C	001	0018	1728		
	SCAMPJ64K	C	001	0020	1727		
	SCAMPJ96K	C	001	0030	1726		
	SCAMPJACT	C	001	0001	2032		
17	SCAMPJTELL	C	001	0001	1981		
	SCAMPJTOLD	C	001	0002	1980		
	SCAMPJUSF	C	001	0002	2231		
18	SCAMPJHLD	C	001	0080	2181		
	SCAMPJMPR	C	001	0004	1805		
	SCAMPJMPK	C	001	0008	1804		
19	SCAMPJSCB	C	001	0040	2046		
	SCAMPJISE	C	001	0010	1967		
20	SCAMPJUTC	C	001	0004	1927		

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		PAGE 222 V09/11/81 12/05/81 12:00					
\$HELP SYSTEM/34 HELP UTILITY							
01	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE STATEMENT
02							8859 * METBL V-DC,NAME-ELSE,PRIME-Y,TYPE-4,NEXEC-Y,NINPT-Y,SPLIT-Y, 31550000
							8860 * MASK-0111111111110000000001,ROLL-Y 31560000
03	E1C0	F4			0001	8861	ELSE EQU 209 TABLE ENTRY NUMBER
	E1C1	04			E1C0	8862	DC AL1(128+64+32+16+0+4) CTRL CODE
	E1C2	0000			E1C1	8863	DC AL1(0+0+4) FORMAT TYPE BYTE
04	E1C4	00			E1C3	8864	DC BL2'0000000000000000' MANDATORY FIELD MASK
	E1C5	000000			E1C4	8865	DC AL1(0) SUBROUTINE TABLE DISPLACEMENT

EBFO 891

15	aaaaa	aaaaaaaa	aaaaaaaa	aaaaa	aaaaa	15
16	aaaaa	aaaaa	aaaaa	aaaaa	aaaaa	16
17	aaaaa	aaaaa	aaaaa	aaaaa	aaaaa	17
18	aaaaa	aaaaa	aaaaa	aaaaa	aaaaa	18
19	aaaaaaaa	aaaaaaaa	aaaaaaaa	aaaaaaaa	aaaaaaaa	19
20						20

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1/81 12/05/81 12:00	01	CROSS-REFERENCE				PAGE 259 V09/11/81 12/05/81 12:00	01								
	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	02	SYMBOL	T	LEN	VALUE	DEFN	REFE	
	03	SCAMK21	C	001	0001	2268		03	SESSION3	C	001	0097	8267		
	04	SCAMK212	C	001	0044	2079		04	SESSION6	C	001	009A	8298		
	05	SCAMK213	C	001	0022	2080		05	SESSION7	C	001	009B	8308		
	06	SCAMK214	C	001	0011	2081		06	SESSION8	C	001	009C	8318		
	07	SCAMYD	C	001	0001	1929		07	SESSION9	C	001	009D	8329		
	08	SCAM0128	C	001	0001	1951		08	SET	C	001	0052	7564		
	09	SCAM0256	C	001	0002	1950		09	SETDUMP	C	001	0073	7900		
	10	SCAM0512	C	001	0004	1949		10	SETFILE	C	001	0053	7574		
	11	SCAM065M	C	001	0041	1772		11	SEVEN	C	001	0007	0937		
	12	SCAM1FM	C	001	0010	1947		12	SIX	C	001	0006	0936		
	13	SCAM10MG	C	001	0000	1764		13	SLSHASTR	C	001	00A2	8380	6490	
	14	SCAM1024	C	001	0008	1948		14	SLSLASAS	C	001	00A4	8400	6498	
	15	SCAM1255	C	001	0080	2025		15	SLSLSTR	C	001	00A3	8390	6494	
	16	SCAM128K	C	001	0040	1725		16	SPECIFY	C	001	0054	7584		
	17	SCAM13MG	C	001	0001	1763		17	SPECIFY2	C	001	0055	7594		
	18	SCAM130M	C	001	00C1	1773		18	SRJE	C	001	0083	8553		
	19	SCAM195M	C	001	00E1	1774		19	START	C	001	0074	7910		
	20	SCAM2FM	C	001	0020	1946		20	STARTM	C	001	0084	8563		
		SCAM2MFM	C	001	0040	1945			STATUS	C	001	0075	7921		
		SCAM256K	C	001	0080	1724			STATUS2	C	001	0076	7931		
		SCAM260M	C	001	0001	1775			STOP	C	001	0077	7941		
		SCAM27MG	C	001	0081	1762			STOPM	C	001	0085	8574		
		SCAM62PC	C	001	0040	1770			SUB	C	001	00C1	8697		
		SCAM65MG	C	001	0001	1771			SUB1	C	001	00C2	8708		
		SCA0VER	C	001	0020	1914			SUB2	C	001	00C3	8718		
		SCARDFMT	C	001	0067	1941	1953			SUB3	C	001	00C4	8728	
		SCARDVOL	C	001	0066	1939	1941			SUB4	C	001	00C5	8738	
		SCASDISK	C	001	000F	1746	1777			SUB5	C	001	00C6	8748	
		SCASHIST	C	001	0031	1869	1870			SUB6	C	001	00C7	8759	
		SCASHMSG	C	001	003B	1874	1875			SVCASGN	C	001	000A	2294	
		SCASTOSS	C	001	0025	1860	1861			SVCASSEN	C	001	0006	2290	
		SCASMSG1	C	001	0038	1873	1874			SVCCOMM	C	001	0044	2340	
		SCASMSG2	C	001	0041	1876	1878			SVCCXNT	C	001	0050	2344	
		SCASPARK	C	001	0040	2000			SVCDSPCH	C	001	0027	2324		
		SCASSTWA	C	001	001A	1851	1852			SVCDLUMP	C	001	0022	2319	
		SCASTOPS	C	001	0080	2213			SVCEXIT	C	001	0011	2301		
		SCASMSG	C	001	003E	1875	1876			SVCFD	C	001	0040	2336	4504
		SCASYS	C	001	0000	1714	1716 1719 1721			SVCFREE	C	001	0007	2291	
		SCASYS1	C	001	005B	1911	1921			SVCFRECP	C	001	0013	2303	
		SCASYS2	C	001	005C	1921	1932			SVCGTTP	C	001	0012	2302	
		SCATHASZ	C	001	001C	1852	1854			SVCGPOST	C	001	0001	2285	
		SCAUSERA	C	001	0049	1888	1889			SVCGMALT	C	001	0000	2284	
		SCA2KBAD	C	001	0008	1731	1734			SVCIXXNT	C	001	0045	2341	
		SCA2KOK	C	001	0000	1732			SVCISEC	C	001	0008	2292		
		SCA2SPIN	C	001	0080	1748			SVCIO	C	001	0041	2337		
		SCA3SPIN	C	001	0020	1749			SVCKBTR	C	001	005C	2348		
		SCA4SPIN	C	001	0010	1750			SVCLDATR	C	001	000C	2296		
		SEC	C	001	00BE	8667			SVCLDAD	C	001	0052	2346		
		SESSION	C	001	0095	8247			SVCLDLOG	C	001	001A	2310		

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1/81 12/05/81 12:00	01	\$HELP SYSTEM/34 HELP UTILITY				PAGE 223 V09/11/81 12/05/81 12:00	01				
	02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	02	SYMBOL	TYPE	EXTRN
	03	31550000		8907	*			31710000	\$HET9	EXTRN	
	04	31560000		8908	*			31720000	\$HETA	EXTRN	
				8909	*	BUFFERS		31730000	\$HEOX	EXTRN	
				8910	*			31740000	HECPIN	EXTRN	
				8911	*			31750000	HE#FH	EXTRN	
						ERFO 8913 HEIOBUFF EQU X'FFF8'-HE#FMBR*512-512-8	I/O BUFFER	31770000	HE#BH	EXTRN	

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CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SESSION2	C	001	0096	8257	
03	SESSION3	C	001	0097	8267	
03	SESSION4	C	001	0098	8278	
04	SESSION5	C	001	0099	8288	
04	SESSION6	C	001	009A	8298	
04	SESSION7	C	001	009B	8308	
04	SESSION8	C	001	009C	8318	
05	SESSION9	C	001	009D	8329	
05	SET	C	001	0052	7564	
06	SETDUMP	C	001	0073	7900	
06	SETFILE	C	001	0053	7574	
06	SEVEN	C	001	0007	0937	
07	SIX	C	001	0006	0936	
07	SLSHASTR	C	001	00A2	8380	6490
07	SLSLASAS	C	001	00A4	8400	6498
07	SLSLASTR	C	001	00A3	8390	6494
08	SPECIFY	C	001	0054	7584	
08	SPECIFY2	C	001	0055	7594	
09	SRJE	C	001	00B3	8553	
09	START	C	001	0074	7910	
09	STARTM	C	001	00B4	8563	
10	STATUS	C	001	0075	7921	
10	STATUS2	C	001	0076	7931	
10	STOP	C	001	0077	7941	
11	STOPM	C	001	00B5	8574	
11	SUB	C	001	00C1	8697	
11	SUB1	C	001	00C2	8708	
12	SUB2	C	001	00C3	8718	
12	SUB3	C	001	00C4	8728	
12	SUB4	C	001	00C5	8738	
13	SUB5	C	001	00C6	8748	
13	SUB6	C	001	00C7	8759	
13	SVCASGN	C	001	000A	2294	
14	SVCASSGN	C	001	0006	2290	
14	SVCCOMM	C	001	0044	2340	
14	SVCCKNT	C	001	0050	2344	
15	SVCDSPECH	C	001	0027	2324	
15	SVCDDUMP	C	001	0022	2319	
15	SVCEXIT	C	001	0011	2301	
16	SVCFD	C	001	0040	2336	4504
16	SVCFREE	C	001	0007	2291	
16	SVCFREEP	C	001	0013	2303	
17	SVCGETP	C	001	0012	2302	
17	SVCPOST	C	001	0001	2285	
17	SVCWAIT	C	001	0000	2284	
18	SVCIOXNT	C	001	0045	2341	
18	SVCISEC	C	001	0008	2292	
18	SVCIO	C	001	0041	2337	
19	SVCBTR	C	001	005C	2348	
19	SVCLOADR	C	001	000C	2296	
19	SVCLOAD	C	001	0052	2346	
20	SVCLOG	C	001	001A	2310	

EXTERNAL SYMBOL DICTIONARY

02	SYMBOL	TYPE
03	\$HET9	EXTRN
03	\$HETA	EXTRN
03	\$HEOX	EXTRN
03	HECPIN	EXTRN
04	HE#FFH	EXTRN
04	HE#BBH	EXTRN

02	SYMBOL	T	LEN	VALUE	DEFN
03	\$AIDATTN	C	001	00F2	0807
03	\$AIDCLER	C	001	00B0	0806
03	\$AIDCP01	C	001	0031	0810
04	\$AIDCP02	C	001	0032	0811
04	\$AIDCP03	C	001	0033	0812

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01

CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SVCMOVEI	C	001	002A	2327	
03	SVCOP	C	001	00F4	2372	
03	SVCPIR	C	001	0000	2297	
03	SVCPOST	C	001	0003	2287	
04	SVCPOSTA	C	001	0019	2309	
04	SVCPOSTI	C	001	0028	2328	
04	SVCPPSVC	C	001	0008	2295	
05	SVCPSVC	C	001	004C	2342	
05	SVCPREP	C	001	0026	2323	
06	SVCPRIQ	C	001	0024	2321	
06	SVCPT	C	001	0042	2338	
06	SVCQS	C	001	0020	2316	
07	SVCQSCAN	C	001	0018	2311	
07	SVCQUEUE	C	001	000E	2298	
07	SVCWAIT	C	001	002C	2329	
08	SVCREQ	C	001	0021	2318	
08	SVCRODYCK	C	001	0025	2322	
08	SVCRENQ	C	001	0021	2317	2318
08	SVCRIPT	C	001	0028	2325	
09	SVCSCB	C	001	000F	2299	
09	SVCSSSW	C	001	0009	2293	
10	SVCSSQ	C	001	0029	2326	
10	SVCSTEST	C	001	0023	2320	
10	SVCSTID	C	001	0015	2305	
11	SVCSTIH	C	001	001F	2315	
11	SVCSTIN	C	001	0014	2304	
11	SVCSTIR	C	001	0016	2306	
12	SVCSTKWT	C	001	0017	2307	
12	SVCSTOD	C	001	002E	2331	
12	SVCSTPOST	C	001	001D	2313	
13	SVCSTWA	C	001	0051	2345	
13	SVCSTWAIT	C	001	001E	2314	
13	SVCUNSTK	C	001	0005	2289	
14	SVCWAIT	C	001	0002	2286	
14	SVCWSC	C	001	0043	2339	
14	SVCXAF	C	001	002D	2330	
15	SVCXFER	C	001	0004	2288	
15	SVCXFR	C	001	00F5	2373	
15	SVCXIENT	C	001	0010	2300	
16	SVCXNTOF	C	001	0018	2308	
16	SWITCH	C	001	009E	8339	
16	SYSLIST	C	001	0056	7604	6481
17	SYSLIST2	C	001	009F	8349	6482
17	TCBARR	C	001	001D	2548	2549
17	TCBBIAR	C	001	001F	2549	2550
18	TCBBIINL1	C	001	0024	2552	2553
18	TCBBIINL2	C	001	0025	2553	2554
18	TCBBIINL3	C	001	0026	2554	2555
18	TCBBIINL4	C	001	0027	2555	
19	TCBAPSIR	C	001	0021	2550	2551
19	TCBBIHDR	C	001	002F	2569	
20	TCBBIHQ	C	001	0023	2551	2552

02	SYMBOL	T	LEN	VALUE	DEFN
03	TCBBIARSE	C	001	0018	2544
03	TCBBIAR1	C	001	0019	2544
03	TCBBIAR2	C	001	0018	2544
04	TCBBIATRM	C	001	0010	2634
04	TCBBIAEQO	C	001	0002	2644
04	TCBBIFAIL	C	001	005F	2584
05	TCBBIARQCT	C	001	0076	2664
05	TCBBIASGNO	C	001	005D	2574
05	TCBBIASRWT	C	001	0002	2474
06	TCBBIATNS	C	001	008D	2664
06	TCBBIATRS	C	001	004F	2574
06	TCBBIATTCH	C	001	004D	2634
07	TCBBIASCT	C	001	007D	2654
07	TCBBIAT	C	001	0078	2674
08	TCBBIEGL	C	001	0028	2564
08	TCBBIAT	C	001	0071	2654
08	TCBBIATM	C	001	007D	2654
09	TCBBIACALL	C	001	001D	2484
09	TCBBIACHAIN	C	001	000D	2534
09	TCBBIACHKPT	C	001	004D	2484
10	TCBBIAMPLQ	C	001	0009	2534
10	TCBBIACNANT	C	001	0074	2654
10	TCBBIACNLPD	C	001	0004	2634
11	TCBBIACN3PD	C	001	002D	2644
11	TCBBIACRFB	C	001	0017	2544
12	TCBBIACEDO	C	001	0001	2674
12	TCBBIACDEWJT	C	001	0008	2474
12	TCBBIACDKO	C	001	0001	265D
13	TCBBIACDKTWT	C	001	002D	2474
13	TCBBIACDMEPD	C	001	0002	2484
13	TCBBIACDMPD	C	001	0001	2639
14	TCBBIACDSKTR	C	001	004D	2664
14	TCBBIACDSKWT	C	001	001D	2474
15	TCBBIACDUMP	C	001	002D	2664
15	TCBBIACDWAIT	C	001	001D	2447
15	TCBBIACDEMER	C	001	002F	2568
16	TCBBIACDEMSGW	C	001	0028	2562
16	TCBBIACDEXIT	C	001	005F	258D
16	TCBBIACDEXTRA	C	001	002D	2484
17	TCBBIACDFORCD	C	001	002D	2434
17	TCBBIACDFSUAP	C	001	0004	2438
17	TCBBIACDFWAIT	C	001	0002	2466
18	TCBBIACDFWAIT	C	001	002D	2446
18	TCBBIACDHMPPT	C	001	0002	2638
18	TCBBIACDIXWT	C	001	0004	2476
19	TCBBIACDIDACT	C	001	00E4	2598
19	TCBBIACIDBEL	C	001	00EE	2608
19	TCBBIACIDBLD	C	001	00F9	262D
19	TCBBIACIDBSC	C	001	00F5	2615
20	TCBBIACIDBTS	C	001	00E6	260D

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CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	\$AIDATTN	C	001	00F2	0807	
03	\$AIDCLER	C	001	008D	0806	
03	\$AIDCM01	C	001	0031	081D	4191
04	\$AIDCM02	C	001	0032	0811	4194
04	\$AIDCM03	C	001	0033	0812	4197

02	SYMBOL	T	LEN	VALUE	DEFN
03	\$DFNMM	C	001	0019	0274
03	\$DFOPC	C	001	0008	0268
04	\$DFRCL	C	001	0011	0273
04	\$DFUPS	C	001	0003	0263
04	\$DFWKB	C	001	0009	0266

15	0000	41	\$HET9	START 0	00020000
16		43 *	IDMAC	ATTR-800800,RLD-0	00040000
		44	LEVEL	08	RELEASE LEVEL
		45	ATTR	800800	LIBRARY ATTRIBUTES
17		46	RLD	D	RLD OPTION
		47	MRT	00	MRT OPTION
18		49	*** END OF EXPANSION **		

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CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TCB@RSE	C	001	0018	2545	
TCB@XR1	C	001	0019	2546	2547
TCB@XR2	C	001	0018	2547	2548
TCB@TRM	C	001	0010	2634	
TCB@E0E0	C	001	0002	2649	
TCB@FAIL	C	001	005F	2581	
TCB@RQCT	C	001	0076	2661	2662
TCB@SGNQ	C	001	005D	2579	2580
TCB@SRWT	C	001	0002	2477	
TCB@TNS	C	001	0080	2664	
TCB@TRS	C	001	004F	2570	2571
TCB@TCH	C	001	0040	2632	
TCB@WAIT	C	001	0080	2457	
TCB@WJCT	C	001	0070	2652	2653 2654
TCB@BAT	C	001	0078	2673	2678
TCB@BGL	C	001	002B	2561	2562 2563
TCB@CAT	C	001	0071	2654	2655
TCB@CATM	C	001	0070	2653	
TCB@CALL	C	001	0010	2485	
TCB@CHAIN	C	001	000D	2536	2537
TCB@CHKPT	C	001	0040	2483	
TCB@CPLQ	C	001	0009	2532	2535
TCB@CNCNT	C	001	0074	2657	2659
TCB@CNLPD	C	001	0004	2636	
TCB@CNZPD	C	001	0040	2644	
TCB@CN3PD	C	001	0020	2645	
TCB@CRB	C	001	0017	2544	2545 2546 2556
TCB@DED0	C	001	0001	2671	
TCB@DEWJT	C	001	0008	2475	
TCB@DKO	C	001	0001	2650	
TCB@DKTWT	C	001	0020	2473	
TCB@DMEPD	C	001	0002	2488	
TCB@DMPPD	C	001	0001	2639	
TCB@DSKTR	C	001	0040	2665	
TCB@DSKWT	C	001	0010	2474	
TCB@DUMP	C	001	0020	2666	
TCB@DWAIT	C	001	0010	2447	2453
TCB@E@MER	C	001	002F	2568	
TCB@E@MEW	C	001	002B	2562	
TCB@EXIT	C	001	005F	2580	2581 2582
TCB@EXTRA	C	001	0020	2484	
TCB@FORCD	C	001	0020	2434	
TCB@FSWAP	C	001	0004	2438	
TCB@FWAIT	C	001	0002	2466	
TCB@GWAIT	C	001	0020	2446	2453
TCB@HMPT	C	001	0002	2638	
TCB@ICKWT	C	001	0004	2476	
TCB@IDACT	C	001	00E4	2598	
TCB@IDBEL	C	001	00EE	2608	
TCB@IDBLD	C	001	00F9	2620	
TCB@IDBSC	C	001	00F5	2615	
TCB@IDBTS	C	001	00E6	2600	

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CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
\$DFNAM	C	001	0019	0274	0275
\$DFOPC	C	001	0008	0268	0269
\$DFRCL	C	001	0011	0273	0274
\$DFUPS	C	001	0003	0263	0264
\$DFWKB	C	001	0009	0266	0267

00020000	15	0008 89 BIT3 EQU X'10'	MASK FOR BIT 3 - ...X...	15	0004	
		0004 91 BIT5 EQU X'04'	MASK FOR BIT 4 - ...X...		0007	
00040000	16	0002 92 BIT6 EQU X'02'	MASK FOR BIT 5 -X..	16	0008	
		0001 93 BIT7 EQU X'01'	MASK FOR BIT 6 -X.			
		94 *	MASK FOR BIT 7 -X			
	17	0008 95 IARX EQU X'08'	IAR TRANSLATED	17		
		0004 96 OP2 EQU X'04'	OP2 TRANSLATED			
		0002 97 OP1 EQU X'02'	OP1 TRANSLATED			
	18	0000 98 PRV EQU X'00'	TASK PRIVELEDGED	18	0000	
		0001 99 NPRV EQU X'01'	TASK NOT PRIVELEDGED		0028	
		0080 100 DSABL EQU X'80'	DISPATCHING DISABLED		0038	
	19	101 *** END OF EXPANSTON **			19	0040
	20				20	0048
						0068

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V09/11/81 12/05/81 12:00	01	CROSS-REFERENCE			
	02	SYMBOL	T LEN	VALUE	DEFN
	03	TCBIDCCP	C 001	00EB	2605
		TCBIDCIC	C 001	00EC	2606
		TCBIDCP	C 001	00F0	2610
	04	TCBIDGA	C 001	00FE	2624
		TCBIDGCE	C 001	00E8	2602
		TCBIDTBS	C 001	00FD	2622
	05	TCBIDIMS	C 001	00ED	2607
		TCBIDINT	C 001	00EF	2609
		TCBIDITH	C 001	00E5	2599
		TCBIDJQ	C 001	00F2	2612
	06	TCBIDMR	C 001	00F4	2614
		TCBIDPER	C 001	00EA	2604
		TCBIDSDP	C 001	00F6	2616
	07	TCBIDSDS	C 001	00FB	2617
		TCBIDSF5	C 001	00F3	2613
		TCBIDSNF	C 001	00E7	2601
	08	TCBIDSNF	C 001	00E9	2603
		TCBIDSNR	C 001	00F8	2619
		TCBIDSNL	C 001	00F7	2618
	09	TCBIDSRJ	C 001	00FA	2621
		TCBIDS44	C 001	00FC	2623
		TCBINQPD	C 001	0001	2489
	10	TCBINQSP	C 001	0020	2682
		TCBINVCT	C 001	005B	2578 2579
		TCBIQCNT	C 001	0075	2659 2661
	11	TCBIWAIT	C 001	0008	2448 2453
		TCBJCBA	C 001	0015	2543 2544 3465
		TCBJSTIN	C 001	0004	2437
	12	TCBKCALL	C 001	0008	2486
		TCBKWAIT	C 001	0001	2467
		TCBLCKDI	C 001	0080	2585
	13	TCBLCKHI	C 001	0004	2590
		TCBLCKM	C 001	0069	2584 2594
		TCBLCKPI	C 001	0008	2589
	14	TCBLCKSI	C 001	0040	2586
		TCBLCKSP	C 001	0002	2591
		TCBLCKVI	C 001	0020	2587
	15	TCBLCK51	C 001	0010	2588
		TCBLDISK	C 001	005A	2576 2577 2578
		TCBLDREL	C 001	0057	2574 2575 2576
	16	TCBLEN	C 001	0080	2705
		TCBLINWT	C 001	0040	2472
		TCBLONGW	C 001	0010	2435
	17	TCBMBATH	C 001	0010	2646
		TCBMAXID	C 001	00E0	2625
		TCBMIC	C 001	0057	2575
	18	TCBMRTMX	C 001	0072	2655 2656
		TCBPSAFL	C 001	0008	2647
		TCBMSSIZ	C 001	002C	2563 2564
	19	TCBMSTAB	C 001	0004	2648
		TCBNDUMP	C 001	0008	2668
	20	TCBNDIO	C 001	0002	2439

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	01	CROSS-REFERENCE			
	02	SYMBOL	T LEN	VALUE	DEFN
	03	TCBNRDY	C 001	00BE	2453
		TCBNSCNT	C 001	0073	2656
		TCBNSWAP	C 001	0001	2440
	04	TCBPRBCH	C 001	00C0	2524
		TCBPRBEL	C 001	00F0	2512
		TCBPRBLD	C 001	00F0	2505
		TCBPRBSC	C 001	00F4	2497
	05	TCBPRBTS	C 001	00F0	2514
		TCBPRCCP	C 001	00F0	2509
		TCBPRCTC	C 001	00F0	2510
	06	TCBPRCIV	C 001	00D0	2523
		TCBPRCP	C 001	00FC	2494
		TCBPRDOF	C 001	00F1	2517
	07	TCBPREM	C 001	00F3	2498
		TCBPREXT	C 001	00F0	2499
		TCBPRGCE	C 001	00F0	2515
	08	TCBPRIMS	C 001	00F0	2511
		TCBPRINT	C 001	00F0	2513
		TCBPRINW	C 001	00FF	2493
	09	TCBPRIOR	C 001	0005	2491
		TCBPRIQ	C 001	0060	2627
		TCBPRITH	C 001	00F4	2500
	10	TCBPRMR	C 001	00F0	2496
		TCBPRPER	C 001	00F0	2508
		TCBPRSOP	C 001	00F8	2501
	11	TCBPRSDS	C 001	00F9	2502
		TCBPRSMF	C 001	00FB	2516
		TCBPRSNF	C 001	00F0	2507
	12	TCBPRSNR	C 001	00F0	2504
		TCBPRSNL	C 001	00F0	2503
		TCBPRSP	C 001	00F0	2495
	13	TCBPRSRJ	C 001	00F0	2506
		TCBPRSWT	C 001	0000	2518
		TCBPRUDH	C 001	00E0	2519
	14	TCBPRUDL	C 001	0080	2527
		TCBPRUDM	C 001	0001	2520
		TCBPRWJT	C 001	0080	2471
	15	TCBPUSH	C 001	0008	2535
		TCBQCNT	C 001	0007	2531
		TCBQWAIT	C 001	0008	2461
	16	TCBROYQ	C 001	000F	2537
		TCBRGSIZ	C 001	002D	2564
		TCBRSE	C 001	0027	2556
	17	TCBRTUB	C 001	0013	2540
		TCBRWAIT	C 001	0004	2465
		TCBSOTAC	C 001	0002	2684
	18	TCBSOTSO	C 001	0040	2681
		TCBSFILK	C 001	0010	2667
		TCBSHARC	C 001	0080	2631
	19	TCBSIAR	C 001	0059	2577
		TCBSHFDN	C 001	0080	2695
	20	TCBSHFPT	C 001	007C	2691

V09/11/81 12/05/81 12:00	01	CROSS-REFERENCE			
	02	SYMBOL	T LEN	VALUE	DEFN
	03	\$INFPRG1	C 001	0007	1083
		\$INFPRG2	C 001	0008	1085
		\$INFPRT	C 001	0010	1118
		\$INFPUT	C 001	0080	1062 6307
	04	\$INFREQ	C 001	0001	1066 1105

	01	CROSS-REFERENCE			
	02	SYMBOL	T LEN	VALUE	DEFN
	03	\$LGDSBC1	C 001	000C	0707
		\$LGDSBC2	C 001	0007	0771
		\$LGDSBC3	C 001	000F	0737
		\$LGDSBC4	C 001	0017	0746
	04	\$LGDSCLR	C 001	000E	0726

15	0004 141 HESUBRA EQU HENNDMSK+1 SUBROUTINE TABLE DISPLACEMENT	15
	0007 142 HECMPMSK EQU HESUBRA+3 COMPRESS MASK	
	0008 143 HETBLEN EQU HECMPMSK+1 LENGTH OF TABLE ENTRY	
16	145 *****	16
	146 * *	
17	147 * THE FOLLOWING EQUATES ARE USED BY #CIPP (// PROMPT) *	17
	148 * *	
	149 *****	
18	0000 151 HEDFUDSP EQU 0 DISP OF 1ST DFU ENTRY IN #HET9	18
	0028 152 HESDADSP EQU HEDFUDSP+5*HETBLEN DISP OF 1ST SDA ENTRY IN #HET9	
19	0038 153 HESUDSP EQU HESDADSP+2*HETBLEN DISP OF 1ST SEU ENTRY IN #HET9	19
	0040 154 HESRTDSP EQU HESUDSP+1*HETBLEN DISP OF 1ST SORT ENTRY IN #HET9	
	0048 155 HESRXDSP EQU HESRTDSP+1*HETBLEN DISP OF 1ST SRTX ENTRY IN #HET9	
20	0068 156 HESVUDSP EQU HESRXDSP+4*HETBLEN DISP OF 1ST USU ENTRY IN #HET9	20

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
TCBNRDY	C	001	008E	2453
TCBNSCNT	C	001	0073	2656 2657
TCBNSWAP	C	001	0001	2440
TCBPRBCH	C	001	00C0	2524
TCBPRBEL	C	001	00F0	2512
TCBPRBLD	C	001	00F0	2505
TCBPRBSC	C	001	00F4	2497
TCBPRBTS	C	001	00F0	2514
TCBPRCCP	C	001	00F0	2509
TCBPRCTC	C	001	00F0	2510
TCBPRCNV	C	001	0000	2523
TCBPRCP	C	001	00FC	2494
TCBPRDDF	C	001	00F1	2517
TCBPREM	C	001	00F3	2498
TCBPREXT	C	001	00F0	2499
TCBPRGCE	C	001	00F0	2515
TCBPRIMS	C	001	00F0	2511
TCBPRINT	C	001	00F0	2513
TCBPRINV	C	001	00FF	2493
TCBPRIOR	C	001	0005	2491 2529
TCBPRIQ	C	001	006D	2627 2629
TCBPRITH	C	001	00F4	2500
TCBPRMR	C	001	00F0	2496
TCBPRPER	C	001	00F0	2508
TCBPRSDP	C	001	00F8	2501
TCBPRSDS	C	001	00F9	2502
TCBPRSMF	C	001	00FB	2516
TCBPRSNF	C	001	00F0	2507
TCBPRSNR	C	001	00F0	2504
TCBPRSNL	C	001	00F0	2503
TCBPRSP	C	001	00F0	2495
TCBPRSRJ	C	001	00F0	2506
TCBPRSWT	C	001	0000	2518
TCBPRUDH	C	001	00E0	2519
TCBPRUDL	C	001	0080	2527
TCBPRUDM	C	001	0001	2520
TCBPTRWI	C	001	0080	2471
TCBPUSH	C	001	0008	2535 2536
TCBQCNT	C	001	0007	2531 2532
TCBQWAIT	C	001	0008	2461
TCBRDYQ	C	001	000F	2537 2538 2539
TCBRGSI2	C	001	0020	2564 2567
TCBRSE	C	001	0027	2556 2560
TCBRTUB	C	001	0013	2540 2543 3464
TCBRWAIT	C	001	0004	2465
TCBSDTAC	C	001	0002	2684
TCBSDTSO	C	001	0040	2681
TCBSFILK	C	001	0010	2667
TCBSHDC	C	001	0080	2631
TCBSIAR	C	001	0059	2577
TCBSMFDN	C	001	0080	2695
TCBSMPT	C	001	007C	2691 2698

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN
\$LGL3ADR	C	001	000C	0707
\$LGL3BC2	C	001	0007	0771
\$LGL3BC3	C	001	000F	0737
\$LGL3BC4	C	001	0017	0746
\$LGL3C1R	C	001	000E	0726
\$LGL3ADR	C	001	0002	0735
\$LGL3LEN	C	001	0001	0733
\$LGL3BYT	C	001	0008	0744
\$LGL3AGIN	C	001	0040	0698
\$LGL3MSS	C	001	0008	0677
THREE	C	001	0003	0933
TIME	C	001	0078	7951
TOLIBR	C	001	0057	7615
TOLIBR2	C	001	0058	7625

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16	0020 80	00
	0021 05	00
17	0022 8000	00
	0024 00	00
	0025 555555	00
18		
19		
20	0028 80	00

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02	TCBSNARQ	C	001 0002 2670	
03	TCBSOP	C	001 0008 2436	
	TCBSPLRS	C	001 0040 2703	
	TCBSPLSP	C	001 0010 2683	
04	TCBSPOOL	C	001 002F 2567	2568 2569 2570
	TCBSPUNK	C	001 0080 2680	
	TCBSPWTR	C	001 0080 2702	
05	TCBSQBCT	C	001 0068 2583	2584
	TCBSSTID	C	001 006A 2594	2596
	TCBSTAT1	C	001 0000 2430	2442
06	TCBSTAT2	C	001 0001 2442	2455
	TCBSTAT3	C	001 0004 2480	2491
	TCBSTAT4	C	001 006E 2629	2641
07	TCBSTAT5	C	001 006F 2641	2652
	TCBSTAT6	C	001 0077 2662	2673
	TCBSTAT7	C	001 007E 2700	2705
08	TCBSUSP	C	001 0002 2450	2453
	TCBSUSPD	C	001 0004 2487	
	TCBSUSPS	C	001 0079 2678	2687
09	TCBSWAIT	C	001 0040 2458	
	TCBSWAPD	C	001 0040 2433	
	TCBSWAPQ	C	001 000F 2538	
10	TCBSYSTEM	C	001 0020 2633	
	TCBTAS	C	001 0020 2459	
	TCBTERM	C	001 0080 2482	
11	TCBTHBIT	C	001 0080 2643	
	TCBTQE	C	001 0067 2582	2583
	TCBTSKID	C	001 0068 2596	2627
12	TCBTSSN	C	001 002A 2560	2561
	TCBTTC	C	001 0051 2571	2572
	TCBTTIME	C	001 0006 2529	2531
13	TCBTWA	C	001 0053 2572	2573
	TCBTWACL	C	001 0004 2637	
	TCBTWAIT	C	001 0004 2449	2453
14	TCBUDMPR	C	001 0080 2674	
	TCBWFLG	C	001 007A 2687	2691
	TCBWAIT	C	001 0080 2432	
15	TCBWAITD	C	001 0080 2444	2453
	TCBWIOSP	C	001 0001 2685	
	TCBWMASK	C	001 0002 2455	2469
16	TCBWMASK2	C	001 0003 2469	2480
	TCBWSILK	C	001 0004 2669	
	TCBWSWA	C	001 0055 2573	2574
17	TCBWAIT	C	001 0010 2460	
	TCBX	C	001 007D 2698	2700
	TCBXNTQ	C	001 0011 2539	2540
18	TCBXWAIT	C	001 0040 2445	
	TCB2ZRC5	C	001 0008 2635	
	THREE	C	001 0003 0933	5200 5383 5868 5933
19	TIME	C	001 0078 7951	
	TOLIBR	C	001 0057 7615	
20	TOLIBR2	C	001 0058 7625	

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02	\$LGL3ADR	C	001 0002 0735	
03	\$LGL3LEN	C	001 0001 0733	
	\$LGL8BYT	C	001 0008 0744	
	\$LGLMAGN	C	001 0040 0698	
04	\$LGLMSS	C	001 0008 0677	

SYMBOL	T	LEN	VALUE	DEFN
01				
02	\$LGNB8BYT	C	001 0004 0632	
03	\$LGNB8FMT	C	001 0028 0318	
	\$LGNB8LINE	C	001 0029 0320	
	\$LGNB8MAGN	C	001 0008 0413	
04	\$LGNB8MSS	C	001 0008 0413	

15		208 *** END OF EXPANSION **							
		209 *	HETBL	V-DC, NAME-UPDATE, PRIME-Y, TYPE-5, MAND-1000000000,				00180000	
		210 *		MASK-01010101010101010101				00190000	
16	0020 80	0004 211	UPDATE	EQU 4	TABLE ENTRY NUMBER				
		0020 212		DC	AL1(128+0+0+0+0+0) CTRL CODE				
	0021 05	0021 213		DC	AL1(0+0+5) FORMAT TYPE BYTE				
17	0022 8000	0023 214		DC	BL2'1000000000000000' MANDATORY FIELD MASK				
	0024 00	0024 215		DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT				
	0025 555555	0027 216		DC	BL3'01010101010101010101' 960 SCREEN MASK				
18		218 *** END OF EXPANSION **							
		219 *	HETBL	V-DC, NAME-SDA, PRIME-Y, TYPE-5, MAND-1000000000,				00200000	
		220 *		MASK-010111010101010101000011				00210000	
19		0005 221	SDA	EQU 5	TABLE ENTRY NUMBER				
	0028 80	0028 222		DC	AL1(128+0+0+0+0+0) CTRL CODE				

15	0048 80	004
	0049 05	004
	004A F000	004
16	004C 00	004
	004D 55550F	004
17		
18		000
	0050 00	005
	0051 05	005
19	0052 0000	005
	0054 00	005
20	0055 55503F	005

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		CROSS-REFERENCE			
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
03	TPP#EOV	C 001	0000		3299
	TRACE	C 001	00BF		8677
	TRANSFER	C 001	0059		7635
	TRANSFR2	C 001	005A		7645
04	TRANSFR3	C 001	005B		7655
	TRANSFR4	C 001	005C		7666
	TRANSFR5	C 001	005D		7676
05	TRANSFR6	C 001	005E		7686
	TRUE	C 001	0010		0941
	TUB\$ACTV	C 001	0080		2806
06	TUB\$CMPL	C 001	0040		2807
	TUB\$CNCL	C 001	00C3		2834
	TUB\$DA	C 001	00C0		2829
07	TUB\$DEAD	C 001	0002		2937
	TUB\$DPST	C 001	0040		3254
	TUB\$DTCS	C 001	0001		2825
08	TUB\$ERR	C 001	0001		2813
	TUB\$EXEC	C 001	00C0		2831
	TUB\$EXTD	C 001	0020		3255
09	TUB\$IDLE	C 001	00C2		2833
	TUB\$KBDP	C 001	00C0		2978
	TUB\$LOCK	C 001	0040		3202
10	TUB\$MTR	C 001	00E3		2977
	TUB\$NGLD	C 001	00E2		2976
	TUB\$NIO	C 001	0020		2797
11	TUB\$ND2	C 001	0040		2819
	TUB\$NRMD	C 001	0005		2940
	TUB\$OUP	C 001	0027		2845
12	TUB\$PNAV	C 001	00E0		2830
	TUB\$POFF	C 001	0007		2943
	TUB\$POLL	C 001	00C1		2832
13	TUB\$PRMA	C 001	00E1		2975
	TUB\$PUPM	C 001	0080		3253
	TUB\$PWI	C 001	00A7		2844
14	TUB\$RACT	C 001	0000		2814
	TUB\$RDIN	C 001	0042		2849
	TUB\$RDMD	C 001	0022		2851
15	TUB\$ROSN	C 001	0062		2848
	TUB\$RDUK	C 001	0006		2942
	TUB\$REAL	C 001	0040		2796
16	TUB\$RSTR	C 001	0007		2850
	TUB\$SAVE	C 001	0002		2846
	TUB\$SAVS	C 001	0006		2847
17	TUB\$SKIP	C 001	0080		2795
	TUB\$STANZ	C 001	00E0		2974
	TUB\$UERP	C 001	0080		2818
18	TUB\$VH	C 001	0010		2821
	TUB\$BTRM	C 001	0001		3096
	TUB\$ACN	C 001	0040		3035
19	TUB\$AID	C 001	0025	3025	
	TUB\$ALRM	C 001	0080		3130
20	TUB\$APRNT	C 001	003E	3110	3111

02	SYMBOL	T LEN	VALUE	DEFN
	TUB\$ASNT	C 001	0020	3132
03	TUB\$ASND	C 001	0043	3115
	TUB\$ASND	C 001	0004	2811
	TUB\$ASNL	C 001	0041	3114
04	TUB\$ATRA	C 001	0054	3200
	TUB\$ATTRB	C 001	0058	3214
	TUB\$ATTRC	C 001	005B	3226
05	TUB\$ATTR1	C 001	0035	3032
	TUB\$ATTR2	C 001	0036	3043
	TUB\$ATTR3	C 001	0037	3065
06	TUB\$ATTR4	C 001	0038	3076
	TUB\$ATTR5	C 001	0039	3087
	TUB\$ATTR6	C 001	003A	3098
07	TUB\$ATTR7	C 001	0044	3117
	TUB\$ATTR8	C 001	0045	3128
	TUB\$ATTR9	C 001	0048	3142
08	TUB\$AUTOB	C 001	0020	2820
	TUB\$BADGE	C 001	0080	3144
	TUB\$CHAIN	C 001	0013	2970
09	TUB\$CLER	C 001	0010	3191
	TUB\$CLRAD	C 001	0080	3201
10	TUB\$CMDRJ	C 001	0010	3122
	TUB\$CMDT	C 001	0020	3036
	TUB\$CMD1	C 001	0001	3167
	TUB\$CMD10	C 001	0020	3171
11	TUB\$CMD11	C 001	0040	3170
	TUB\$CMD12	C 001	0080	3169
	TUB\$CMD13	C 001	0001	3185
12	TUB\$CMD14	C 001	0002	3184
	TUB\$CMD15	C 001	0004	3183
	TUB\$CMD16	C 001	0008	3182
13	TUB\$CMD17	C 001	0010	3181
	TUB\$CMD18	C 001	0020	3180
	TUB\$CMD19	C 001	0040	3179
14	TUB\$CMD2	C 001	0002	3166
	TUB\$CMD20	C 001	0080	3178
	TUB\$CMD21	C 001	0001	3176
15	TUB\$CMD22	C 001	0002	3175
	TUB\$CMD23	C 001	0004	3174
	TUB\$CMD24	C 001	0008	3173
16	TUB\$CMD3	C 001	0004	3165
	TUB\$CMD4	C 001	0008	3164
	TUB\$CMD5	C 001	0010	3163
17	TUB\$CMD6	C 001	0020	3162
	TUB\$CMD7	C 001	0040	3161
	TUB\$CMD8	C 001	0080	3160
18	TUB\$CMD9	C 001	0010	3172
	TUB\$CMD	C 001	0003	2827
	TUB\$CMD0	C 001	0004	2842
19	TUB\$CM\$K	C 001	0050	3186
	TUB\$CM\$K1	C 001	004E	3159
20	TUB\$CM\$K2	C 001	004F	3168

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		CROSS-REFERENCE			
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
	\$LGM\$BYT	C 001	0004		0632
03	\$WS\$FMT	C 001	0028		0319
	\$WS\$LINE	C 001	0029		0321
	\$WS\$ACT	C 001	0008		0413
04	\$WS\$AC	C 001	0008		0703

02	SYMBOL	T LEN	VALUE	DEFN
	\$WS\$GTA	C 001	000C	0417
03	\$WS\$HALT	C 001	0080	0297
	\$WS\$HELP	C 001	0002	0478
04	\$WS\$HINT	C 001	0002	0862

00270400	0072 8000	0073 314	DC	BL2 '1000000000000000' MANDATORY FIELD MASK	368 *
15	0074 00	0074 315	DC	SUBROUTINE TABLE DISPLACEMENT	370 *
	0075 555555	0077 316	DC	BL3 '01010101010101010101' 960 SCREEN MASK	0014 371 AS
16	318 *** END OF EXPANSION **				00A0 80
	319 *	HETBL V-DC, NAME-USUP, PRIME-Y, TYPE-5, SUBR-50, SBLST-2,		00278600	00A1 06
	320 *	MASK-01010101010101010101		00279200	00A2 8000
17	0078 80	000F 321	WSUP EQU 15	TABLE ENTRY NUMBER	00A4 00
00270600	0079 25	0078 322	DC	AL1(128+0+0+0+0) CTRL CODE	00A5 5AAAAA
00270800	0079 25	0079 323	DC	AL1(0+32+5) FORMAT TYPE BYTE	00A7 376
18	007A 0000	007B 324	DC	BL2 '0000000000000000' MANDATORY FIELD MASK	378 **
	007C 29	007C 325	DC	AL1(41) SUBROUTINE TABLE DISPLACEMENT	379 *
	007D 555553	007F 326	DC	BL3 '01010101010101010101' 960 SCREEN MASK	380 *
19	328 *** END OF EXPANSION **				0015 381 BA
	329 *	HETBL V-DC, NAME-USU, PRIME-Y, TYPE-5, MAND-1000000000,		00280000	00A8 80
	330 *	MASK-0101101010101010101001		00290000	00A9 46
20					00AA 0000

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01	CROSS-REFERENCE				01
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
03	TUBCMSK3	C 001	0050	3177	3186
	TUBCOMDN	C 001	0024	3014	3024 3246
	TUBCOMPL	C 001	0001	2804	2816
04	TUBCOUNT	C 001	0009	2855	2857 2963
	TUBCPAID	C 001	0026	3025	3026
	TUBCTSAV	C 001	003C	3109	3110
05	TUBDATA	C 001	0007	2854	2855
	TUBDEVIC	C 001	0003	2840	
	TUBDEVID	C 001	0014	2972	2980
06	TUBDXTA	C 001	0053	3196	3200
	TUBDGTUB	C 001	005A	3224	3226
	TUBDMATX	C 001	0057	3212	3214
07	TUBDPRST	C 001	002F	3252	3261
	TUBDRESV	C 001	0027	3026	3027
	TUBECH	C 001	0000	2793	2804
08	TUBERATD	C 001	0018	2994	2995
	TUBERBFG	C 001	0017	2988	2994
	TUBERPCT	C 001	0016	2982	2988
09	TUBERRCT	C 001	001E	3008	3009
	TUBFCNSL	C 001	0001	3041	
	TUBFLAG	C 001	0002	2816	2827
10	TUBFMSK	C 001	0051	3187	3196
	TUBGAIJD	C 001	0010	3219	
	TUBGAIJP	C 001	0040	3270	
11	TUBGCHAR	C 001	0047	3140	
	TUBHELP	C 001	0008	3192	
	TUBHELPM	C 001	0047	3139	3140 3142
12	TUBHPND	C 001	0002	3106	
	TUBH2Q	C 001	0080	3078	
	TUBIARF	C 001	0010	3070	
13	TUBIDEL	C 001	0001	3085	
	TUBIIS	C 001	0080	3067	
	TUBIMI	C 001	0040	3068	
14	TUBINPA	C 001	0002	3062	
	TUBINQ1	C 001	0040	3079	
	TUBINQ2	C 001	0020	3080	
15	TUBIOERR	C 001	0040	3120	
	TUBIPS	C 001	0020	3069	
	TUBIQMP	C 001	0010	3081	
16	TUBJCB	C 001	0032	3029	3030
	TUBKBULK	C 001	0001	3107	
	TUBKOPLY	C 001	0080	3216	
17	TUBKKBD	C 001	0040	3217	
	TUBKPNTR	C 001	0080	3269	
	TUBLEN	C 001	0060	3238	
18	TUBLIOER	C 001	0004	3124	
	TUBLIOFR	C 001	0002	3040	
	TUBLIOP	C 001	0002	3125	
19	TUBLIOS	C 001	0002	3084	
	TUBLOP	C 001	0020	3091	
	TUBLTOFF	C 001	0040	3131	
20	TUBMBDCF	C 001	0010	3103	

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01	CROSS-REFERENCE				01
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
03	\$WSRCBK	C 001	0004	0477	
	\$WSRCDS	C 001	0041	0443	
	\$WSRCDI	C 001	0045	0442	
	\$WSRCL	C 001	0020	0460	
01	\$WSTN	C 001	00C0	0348	
03	\$WSTNUM	C 001	0041	0334	0335
	\$WSTUB	C 001	0023	0311	0312 0
	\$WSUNF	C 001	0010	0392	

00278600
00279200
00280000
00290000

368 *** END OF EXPANSION **

15	369 *	HETBL V-DC, NAME-ASM, PRIME-Y, TYPE-6, MAND-1000000000,	00300000
	370 *	MASK-01011010101010101010	00310000
	0014 371 ASM	EQU 20	TABLE ENTRY NUMBER
16	00A0 80	00A0 372	DC AL1(128+0+0+0+0) CTRL CODE
	00A1 06	00A1 373	DC AL1(0+0+6) FORMAT TYPE BYTE
	00A2 8000	00A3 374	DC BL2 '10000000000000' MANDATORY FIELD MASK
17	00A4 00	00A4 375	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
	00A5 5AAAAA	00A7 376	DC BL3 '01011010101010101010' 960 SCREEN MASK
18	378 *** END OF EXPANSION **		
	379 *	HETBL V-DC, NAME-BASP, PRIME-Y, TYPE-6, SBLST-4, SUBR-50,	00311000
	380 *	MASK-01010101010101010110	00312000
	0015 381 BASP	EQU 21	TABLE ENTRY NUMBER
19	00A8 80	00A8 382	DC AL1(128+0+0+0+0) CTRL CODE
	00A9 46	00A9 383	DC AL1(0+64+6) FORMAT TYPE BYTE
	00AA 0000	00AB 384	DC BL2 '0000000000000000' MANDATORY FIELD MASK

00C8 80
00C9 06
00CA 8000
00CC 00
00CD 555AA3
001A
0000 80
0001 16
0002 0000
0004 29
0005 555553

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CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUBMCD	C	001	0020	3055	
TUBMCN	C	001	0080	3034	
TUBMCNSL	C	001	0040	3053	
TUBMCOU	C	001	0004	3208	
TUBMDATA	C	001	0010	3056	
TUBMDDTA	C	001	0010	3133	
TUBMDPE	C	001	0070	3057	
TUBMNUA	C	001	0008	3060	
TUBMNU2	C	001	0020	3146	
TUBMHELP	C	001	0004	3234	
TUBMHOLD	C	001	0010	3204	
TUBMIC	C	001	001A	2995	2997
TUBMINIT	C	001	0030	3058	
TUBMIQDS	C	001	0020	3121	
TUBMKANJ	C	001	0020	3218	4488
TUBMLOCL	C	001	0040	2838	
TUBMOFF	C	001	0020	3203	
TUBMRDTA	C	001	0008	3104	
TUBMRTSC	C	001	0010	3147	
TUBMSGA	C	001	0001	3063	
TUBMSGCT	C	001	003F	3111	3114
TUBMSGID	C	001	0055	3211	3212
TUBMSGRT	C	001	0080	3112	
TUBMSGR2	C	001	0040	3113	
TUBMSTDY	C	001	0080	3052	
TUBMSUB	C	001	00C0	2839	
TUBMSTN	C	001	0040	3054	
TUBNSUB	C	001	0002	3209	
TUBONL	C	001	0008	2822	
TUBOPSTS	C	001	0030	3028	3029 3609
TUBOPTS	C	001	0018	2997	3007
TUBORN	C	001	0040	3090	
TUBORY	C	001	0080	3089	
TUBPATR1	C	001	0034	3268	3277
TUBPCFGA	C	001	0022	3011	3012
TUBPCRLN	C	001	002D	3250	3251
TUBPELEN	C	001	0040	3281	
TUBPERES	C	001	003F	3280	3281
TUBPEXTA	C	001	0026	3246	3247
TUBPFMLN	C	001	002C	3249	3250
TUBPFMND	C	001	002B	3248	3249
TUBPGTUB	C	001	0033	3266	3268
TUBPLEN	C	001	0030	3261	3265
TUBPLPI	C	001	0035	3277	3280
TUBPYMPP	C	001	002E	3251	3252
TUBPRESV	C	001	0027	3247	3248
TUBPRT	C	001	0080	3188	
TUBPSUBC	C	001	0031	3265	3266
TUBQHDR	C	001	0015	2980	2982
TUBRAMER	C	001	0001	3236	
TUBRCBK	C	001	0004	3193	
TUBRCNCL	C	001	0083	2837	

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUBROMD	C	001	0001	3210	
TUBRDYIP	C	001	0001	3126	
TUBRDYPD	C	001	0001	3151	
TUBREADY	C	001	0008	3123	
TUBREL	C	001	0004	3094	
TUBREKEC	C	001	0080	2835	
TUBRFCS	C	001	004C	3156	3157
TUBRFDSP	C	001	0040	3157	3158
TUBRFN	C	001	0048	3155	3156
TUBRFSS	C	001	004A	3154	3155
TUBRISU	C	001	0004	2823	
TUBRINCM	C	001	0002	2824	
TUBRJFOV	C	001	0008	3220	
TUBRLDN	C	001	0020	3190	
TUBRLUP	C	001	0040	3189	
TUBRPOLL	C	001	0081	2836	
TUBRSF	C	001	0008	3093	
TUBRST1	C	001	0008	3082	
TUBRST2	C	001	0004	3083	
TUBRSVD	C	001	005F	3237	3238
TUBRSW	C	001	0010	3092	
TUBSENSE	C	001	000F	2963	2964
TUBSENS0	C	001	000A	2857	2858
TUBSENS1	C	001	0008	2872	2873
TUBSENS2	C	001	000C	2884	2885
TUBSENS3	C	001	0000	2902	2903
TUBSENS4	C	001	000E	2904	2905
TUBSENS5	C	001	000F	2961	
TUBSGN	C	001	0010	3037	
TUBSTARF	C	001	0001	3074	
TUBSTIS	C	001	0008	3071	
TUBSIMI	C	001	0004	3072	
TUBSIOCT	C	001	001D	3007	3008
TUBSTPS	C	001	0002	3073	
TUBSRILK	C	001	0004	3105	
TUBSRQ	C	001	0002	3095	
TUBSRQPD	C	001	0080	3119	
TUBSTAT	C	001	0004	3061	
TUBSTPJ	C	001	0004	3039	
TUBSUBCN	C	001	0008	3207	
TUBSVR1	C	001	0004	3149	
TUBSVR2	C	001	0002	3150	
TUBSVRD	C	001	0008	3148	
TUBSYLST	C	001	0020	3102	
TUBTCB	C	001	0024	3012	3013
TUBTCBA	C	001	0011	2964	2965
TUBTSRQ	C	001	0008	3038	
TUBTUB	C	001	0034	3030	3031
TUBUNITA	C	001	0005	2853	2854
TUBUSER	C	001	002F	3027	3028
TUBUSSV	C	001	0040	3101	
TUBUSUP	C	001	0080	3100	367

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CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
\$WSTN	C	001	00C0	0348	
\$WSTNUM	C	001	0041	0334	0335
\$WSTUB	C	001	0023	0311	0312 0313
\$WSUNF	C	001	0010	0392	

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
BIT6	C	001	0002	0956	
BIT7	C	001	0001	0957	
BLANK	C	001	0040	0929	40

00300000	00310000
00311000	00312000

00C8 80	00C8 422	DC	AL1(128*0+0+0+0) CTRL CODE
00C9 06	00C9 423	DC	AL1(0+0+6) FORMAT TYPE BYTE
00CA 8000	00CB 424	DC	BL2'1000000000000000' MANDATORY FIELD MASK
00CC 00	00CC 425	DC	AL1(4) SUBROUTINE TABLE DISPLACEMENT
00CD 555AA3	00CF 426	DC	BL3'01010101010101010100011' 960 SCREEN MASK
428 *** END OF EXPANSION **			
429 *	HETBL V-DC, NAME=COBOLP, PRIME-Y, TYPE-6, SBLST-1, SUBR-50,		00320000
430 *	MASK-010101010101010101010101		00330000
001A	431 COBOLP	EQU 26	TABLE ENTRY NUMBER
00D0 80	00D0 432	DC	AL1(128*0+0+0+0) CTRL CODE
00D1 16	00D1 433	DC	AL1(0+16+6) FORAT TYPE BYTE
00D2 0000	00D3 434	DC	BL2'0000000000000000' MANDATORY FIELD MASK
00D4 29	00D4 435	DC	AL1(41) SUBROUTINE TABLE DISPLACEMENT
00D5 555553	00D7 436	DC	BL3'010101010101010101010011' 960 SCREEN MASK
438 *** END OF EXPANSION **			

00F5 55503F
00F8 80
00F9 06
00FA 8000
00FC 00
00FD 55503F
LENGTH OF MODULE IS

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CROSS-REFERENCE	
SYMBOL	T LEN VALUE DEFN REFERENCES
TUBRDMOD C 001	0001 3210
TUBRDYIP C 001	0001 3126
TUBRDYPD C 001	0001 3151
TUBREADY C 001	0008 3123
TUBREL C 001	0004 3094
TUBREXEC C 001	0080 2835
TUBRFCSS C 001	004C 3156 3157
TUBRFDSP C 001	004D 3157 3159
TUBRFN C 001	004B 3155 3156
TUBRFSS C 001	004A 3154 3155
TUBRITISU C 001	0004 2823
TUBRINCM C 001	0002 2824
TUBRJFOV C 001	0008 3220
TUBRLDN C 001	0020 3190
TUBRLUP C 001	0040 3189
TUBRPOLL C 001	0081 2836
TUBRSF C 001	0008 3093
TUBRST1 C 001	0008 3082
TUBRST2 C 001	0004 3083
TUBRSVD C 001	005F 3237 3238
TUBRSW C 001	0010 3092
TUBSENSE C 001	000F 2963 2964
TUBSENSO C 001	000A 2857 2872
TUBSENS1 C 001	0008 2872 2084
TUBSENS2 C 001	000C 2884 2902
TUBSENS3 C 001	000D 2902 2904
TUBSENS4 C 001	000E 2904 2961
TUBSENS5 C 001	000F 2961
TUBSGN C 001	0010 3037
TUBSTARF C 001	0001 3074
TUBSTIS C 001	0008 3071
TUBSIMI C 001	0004 3072
TUBSIOCT C 001	001D 3007 3008
TUBSIPS C 001	0002 3073
TUBSRILK C 001	0004 3105
TUBSRQ C 001	0002 3095
TUBSRQPD C 001	0080 3119
TUBSTATA C 001	0004 3061
TUBSTPJ C 001	0004 3039
TUBSUBCN C 001	0008 3207
TUBSVER1 C 001	0004 3149
TUBSVER2 C 001	0002 3150
TUBSVRD C 001	0008 3148
TUBSYLST C 001	0020 3102
TUBTCB C 001	0024 3012 3014
TUBTCBA C 001	0011 2964 2970
TUBTSRQ C 001	0008 3038
TUBTUB C 001	0034 3030 3032
TUBUNITA C 001	0005 2853 2854
TUBUSER C 001	002F 3027 3028
TUBUSSV C 001	0040 3101
TUBUSUP C 001	0080 3100 3674

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CROSS-REFERENCE	
SYMBOL	T LEN VALUE DEFN
TUBWSD C 001	0020 3009
TUBWSWA C 001	0022 3010
TUBOILGJ C 001	0080 3228
TUBORFPL C 001	0020 3230
TUBOUNJ C 001	0040 3229
TUBLOPT C 001	0002 3235
TUB2IG C 001	0008 3232
TUB2RF C 001	0010 3231
TUB2UG C 001	0018 3233
TUB960 C 001	0040 3145
TUWPCEND C 001	0014 3332
TUWPCNSL C 001	000F 3337
TUWPCOPM C 001	002E 3317
TUWPCSFQ C 001	003C 3342
TUWPCURI C 001	000E 3335
TUWPERPS C 001	0033 3340
TUWPTNQ C 001	0017 3313
TUWPLCL C 001	0009 3308
TUWPLGTO C 001	0022 3314
TUWPLQGC C 001	0030 3319
TUWPLQGR C 001	002F 3318
TUWPLDSA C 001	0008 3310
TUWPLQO1 C 001	0008 3333
TUWPLUSE C 001	0000 3329
TUWPLCLC C 001	0037 3322
TUWPLSBC C 001	0006 3305
TUWPLSDE C 001	0007 3306
TUWPLSFO C 001	0008 3307
TUWPLS12 C 001	0001 3300
TUWPLS34 C 001	0002 3301
TUWPLS56 C 001	0003 3302
TUWPLS78 C 001	0004 3303
TUWPLS9A C 001	0005 3304
TUWPLRNG C 001	0039 3324
TUWPLSAVE C 001	000C 3311
TUWPLSCV C 001	000F 3336
TUWPLSCO1 C 001	0001 3330
TUWPLSINS C 001	000A 3309
TUWPLSTAT C 001	0027 3339
TUWPLTKMQ C 001	0031 3320
TUWPLUSER C 001	000C 3312
TUWPLUSSA C 001	0018 3338
TUWPLUSSS C 001	002D 3316
TUWPLXLAT C 001	0038 3323
TUWPLXLET C 001	0000 3290
TUWPLXPUT C 001	0001 3289
TUWPLXREAL C 001	0040 3294
TUWPLXSYS C 001	0002 3291
TUWPLXWIA C 001	0004 3292
TUWPLXWIA C 001	0000 3293
TUWPLXWIA C 001	0004 3292
TUWPLXWIA C 001	0000 3295
TUWPLXLEN C 001	0008 3352

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CROSS-REFERENCE	
SYMBOL	T LEN VALUE DEFN REFERENCES
BIT6 C 001	0002 0956
BIT7 C 001	0001 0957
BLANK C 001	0040 0929
5203 5213 5427 5652 5660 5663 5673 5680 6011	

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CROSS-REFERENCE	
SYMBOL	T LEN VALUE DEFN
COND2 C 001	00CA 8789
COND3 C 001	00CB 8799
COND4 C 001	00CC 8810
COND5 C 001	00CD 8820

00320000
00330000

00F5 55503F	00F7 476	DC	BL3'010101010101000000111111' 960 SCREEN MASK	
478 *** END OF EXPANSION **				
479 * HETBL V-DC, NAME-COBMOVE, PRIME-Y, TYPE-6, MAND-1000000000, 00413000				
480 * MASK-010101010101000000111111 00416000				
00F8 80	001F 481	COBMOVE EQU 31	TABLE ENTRY NUMBER	
00F9 06	00F8 482	DC	AL1(128+0+0+0+0) CTRL CODE	
00FA 8000	00F9 483	DC	AL1(0+0+6) FORMAT TYPE BYTE	
00FC 00	00FB 484	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
00FD 55503F	00FC 485	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	00FF 486	DC	BL3'010101010101000000111111' 960 SCREEN MASK	
488 *** END OF EXPANSION **				
LENGTH OF MODULE IS	FFFF 490	END		00680000
	256			

FALSE	C 001	0090	0078
FIVE	C 001	0005	0071
FOUR	C 001	0004	0070
HE\$HELP	C 001	0080	0121
HEASMDSP	C 001	00A0	0157
HEBSCDSP	C 001	00B8	0158
HECBLDSP	C 001	00D0	0159
HECMD	C 001	0002	0132
HECMYMSK	C 001	0007	0142
HECONTRL	C 001	0000	0110
HEFDUDSP	C 001	0000	0151
HEFRTDSP	C 001	0000	0161
HELANG	C 001	0006	0136
HEMNDMSK	C 001	0003	0140
HENDCALL	C 001	0008	0116
HENDINPT	C 001	0010	0115
HENTEXEC	C 001	0020	0114

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CROSS-REFERENCE						
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
02	TUBW\$ID	C	001	0020	30C9	3010 4566
03	TUBW\$WA	C	001	0022	3010	3011 4641 4719
	TUB01LGJ	C	001	0080	3228	
	TUBOR\$MFL	C	001	0020	3230	
04	TUBOUNGJ	C	001	0040	3229	
	TUB1OPT	C	001	0002	3235	
	TUB2IG	C	001	0008	3232	
	TUB2RF	C	001	0010	3231	
	TUB2UG	C	001	0018	3233	
	TUB960	C	001	0040	3145	3517
06	TW\$M\$CEND	C	001	0014	3332	
	TW\$M\$CNSL	C	001	000F	3337	
	TW\$M\$COMI	C	001	002E	3317	
07	TW\$M\$CS\$Q	C	001	003C	3342	
	TW\$M\$CURI	C	001	000E	3335	
	TW\$M\$ERPS	C	001	0033	3340	
08	TW\$M\$INQ	C	001	0017	3313	
	TW\$M\$LCL	C	001	0009	3308	
	TW\$M\$LGIO	C	001	0022	3314	
09	TW\$M\$LOGC	C	001	0030	3319	
	TW\$M\$LOGR	C	001	002F	3318	
	TW\$M\$MSA	C	001	0008	3310	
10	TW\$M\$M01	C	001	0008	3333	
	TW\$M\$MUSE	C	001	0000	3329	
	TW\$M\$OCLC	C	001	0037	3322	
11	TW\$M\$SBC	C	001	0006	3305	
	TW\$M\$SDE	C	001	0007	3306	
	TW\$M\$SFO	C	001	0008	3307	
12	TW\$M\$S12	C	001	0001	3300	
	TW\$M\$S34	C	001	0002	3301	
	TW\$M\$S56	C	001	0003	3302	
13	TW\$M\$S78	C	001	0004	3303	
	TW\$M\$S9A	C	001	0005	3304	
	TW\$M\$RRMG	C	001	0039	3324	
14	TW\$M\$SAVE	C	001	000C	3311	
	TW\$M\$SCSV	C	001	000F	3336	
	TW\$M\$SC01	C	001	0001	3330	
15	TW\$M\$SINS	C	001	000A	3309	
	TW\$M\$STAT	C	001	0027	3339	
	TW\$M\$TKM	C	001	0031	3320	
16	TW\$M\$USER	C	001	000C	3312	6346
	TW\$M\$SSA	C	001	0018	3338	
	TW\$M\$SSS	C	001	002D	3316	
17	TW\$M\$XLAT	C	001	0038	3323	
	TW\$M\$GET	C	001	0000	3290	
	TW\$M\$PUT	C	001	0001	3289	
18	TW\$M\$REAL	C	001	0040	3294	
	TW\$M\$SYS	C	001	0002	3291	
	TW\$M\$TWA	C	001	0000	3293	
19	TW\$M\$WSWA	C	001	0004	3292	
	TW\$M\$XLATE	C	001	0000	3295	
20	TW\$M\$XLEN	C	001	0008	3352	

01	SYMBOL	T	LEN	VALUE	DEFN
02	TW\$M\$MAP	C	001	0002	3347
03	TW\$M\$MAPL	C	001	0003	3348
	TW\$M\$XN	C	001	0007	3351
04	TW\$M\$NEXT	C	001	0004	3349
	TW\$M\$XSS	C	001	0006	3350
	TW\$M\$D	C	001	0002	0932
05	UNCOND	C	001	0087	0943
	VARY	C	001	0079	7961
	WORKSTN	C	001	00A0	8359
06	X\$ADOFF	C	001	0040	3366
	X\$BOFF	C	001	0020	3367
	X\$XAMID	C	001	0080	3365
07	X\$FERCTL	C	001	0010	3368
	X\$FEREADN	C	001	0004	3373
	X\$FEREBON	C	001	0002	3374
08	X\$FERIADN	C	001	0008	3372
	X\$FERIADN	C	001	0001	3375
	X\$FLENBYT	C	001	0110	3449
09	X\$FLENWRD	C	001	0088	3450
	X\$NTAREAE	C	001	000F	3371
	X\$NTAREAS	C	001	0008	3370
10	X\$NTPRIV	C	001	0020	3369
	X\$REST	C	001	005F	7696
	X\$R1	C	001	0001	0917
11					
12					
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17	XR2	C	001	0002	0918
18					
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CROSS-REFERENCE						
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
02	COND2	C	001	00CA	8789	
03	COND3	C	001	00CB	8799	
	COND4	C	001	00CC	8810	
	COND5	C	001	00CD	8820	
	COND6	C	001	00CE	8830	
	COND7	C	001	00CF	8840	
	COND8	C	001	00D0	8850	
	COND9	C	001	00D1	8860	
	COND0	C	001	00D2	8870	
	COND1	C	001	00D3	8880	
	COND2	C	001	00D4	8890	
	COND3	C	001	00D5	8900	
	COND4	C	001	00D6	8910	
	COND5	C	001	00D7	8920	
	COND6	C	001	00D8	8930	
	COND7	C	001	00D9	8940	
	COND8	C	001	00DA	8950	
	COND9	C	001	00DB	8960	
	COND0	C	001	00DC	8970	
	COND1	C	001	00DD	8980	
	COND2	C	001	00DE	8990	
	COND3	C	001	00DF	9000	
	COND4	C	001	00E0	9010	
	COND5	C	001	00E1	9020	
	COND6	C	001	00E2	9030	
	COND7	C	001	00E3	9040	
	COND8	C	001	00E4	9050	
	COND9	C	001	00E5	9060	
	COND0	C	001	00E6	9070	
	COND1	C	001	00E7	9080	
	COND2	C	001	00E8	9090	
	COND3	C	001	00E9	9100	
	COND4	C	001	00EA	9110	
	COND5	C	001	00EB	9120	
	COND6	C	001	00EC	9130	
	COND7	C	001	00ED	9140	
	COND8	C	001	00EE	9150	
	COND9	C	001	00EF	9160	
	COND0	C	001	00F0	9170	
	COND1	C	001	00F1	9180	
	COND2	C	001	00F2	9190	
	COND3	C	001	00F3	9200	
	COND4	C	001	00F4	9210	
	COND5	C	001	00F5	9220	
	COND6	C	001	00F6	9230	
	COND7	C	001	00F7	9240	
	COND8	C	001	00F8	9250	
	COND9	C	001	00F9	9260	
	COND0	C	001	00FA	9270	
	COND1	C	001	00FB	9280	
	COND2	C	001	00FC	9290	
	COND3	C	001	00FD	9300	
	COND4	C	001	00FE	9310	
	COND5	C	001	00FF	9320	
	COND6	C	001	0100	9330	
	COND7	C	001	0101	9340	
	COND8	C	001	0102	9350	
	COND9	C	001	0103	9360	
	COND0	C	001	0104	9370	
	COND1	C	001	0105	9380	
	COND2	C	001	0106	9390	
	COND3	C	001	0107	9400	
	COND4	C	001	0108	9410	
	COND5	C	001	0109	9420	
	COND6	C	001	010A	9430	
	COND7	C	001	010B	9440	
	COND8	C	001	010C	9450	
	COND9	C	001	010D	9460	
	COND0	C	001	010E	9470	
	COND1	C	001	010F	9480	
	COND2	C	001	0110	9490	
	COND3	C	001	0111	9500	
	COND4	C	001	0112	9510	
	COND5	C	001	0113	9520	
	COND6	C	001	0114	9530	
	COND7	C	001	0115	9540	
	COND8	C	001	0116	9550	
	COND9	C	001	0117	9560	
	COND0	C	001	0118	9570	
	COND1	C	001	0119	9580	
	COND2	C	001	011A	9590	
	COND3	C	001	011B	9600	
	COND4	C	001	011C	9610	
	COND5	C	001	011D	9620	
	COND6	C	001	011E	9630	
	COND7	C	001	011F	9640	
	COND8	C	001	0120	9650	
	COND9	C	001	0121	9660	
	COND0	C	001	0122	9670	
	COND1	C	001	0123	9680	
	COND2	C	001	0124	9690	
	COND3	C	001	0125	9700	
	COND4	C	001	0126	9710	
	COND5	C	001	0127	9720	
	COND6	C	001	0128	9730	
	COND7	C	001	0129	9740	
	COND8	C	001	012A	9750	
	COND9	C	001	012B	9760	
	COND0	C	001	012C	9770	
	COND1	C	001	012D	9780	
	COND2	C	001	012E	9790	
	COND3	C	001	012F	9800	
	COND4	C	001	0130	9810	
	COND5	C	001	0131	9820	
	COND6	C	001	0132	9830	
	COND7	C	001	0133	9840	
	COND8	C	001	0134	9850	
	COND9	C	001	0135	9860	
	COND0	C	001	0136	9870	
	COND1	C	001	0137	9880	
	COND2	C	001	0138	9890	
	COND3	C	001	0139	9900	
	COND4	C	001	013A	9910	
	COND5	C	001	013B	9920	
	COND6	C	001</			

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15 ONE C 001 0001 0067
 OP1 C 001 0002 0097
 OP2 C 001 0004 0096
 16 PRV C 001 0000 0098
 PSR C 001 0004 0055
 17 REBLD C 001 000E 0311
 SDA C 001 0005 0221
 SDAH C 001 0006 0231
 SEU C 001 0007 0241
 18 SEVEN C 001 0007 0073
 SIX C 001 0006 0072
 SORT C 001 0008 0251
 19 SRTX C 001 0009 0261
 SRTXDROP C 001 000A 0271
 SRTXLOAD C 001 000B 0281

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CROSS-REFERENCE														
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES									
					3967 3967 3969 3972 3974 3974 3976 3976 3978 3981 3981 3984*									
					4013 4126* 4128 4129 4167* 4170 4191 4194 4197 4200 4203* 4205									
					4211 4227 4245 4245* 4252 4319* 4331 4334 4344 4344* 4350* 4381									
					4384 4396 4398 4400 4400* 4404 4431* 4435 4450 4453 4453* 4456									
					4456* 4458 4486* 4488 4491* 4492 4494* 4497 4502 4511* 4512 4516									
					4521* 4522 4526 4527 4541 4558* 4561 4564* 4566 4568 4569 4634									
					4635 4637 4637 4641 4642 4643 4670* 4671 4672 4707 4709 4712									
					4713 4715 4715 4719 4720 4722 4756* 4758 4759 4759 4762 4764									
					4764* 4769 4770 4770* 4780 4782 4782* 4793* 4809 4814 4839* 4841									
					4869 4901 4903 4909 4910 4911 4911 4918 4920 4920* 4930* 4931									
					4931* 4936* 4983 5013 5021 5024 5051 5054 5077 5080 5103 5106									
					5109 5112 5147 5177 5180 5187 5203 5206 5206 5207 5210 5213									
					5216 5216 5217 5219 5228 5249* 5250 5250* 5255 5279 5282 5307									
					5339 5371 5380 5399 5399 5400 5401 5401 5427 5435 5467 5483									
					5486 5486 5487 5509 5512 5578 5593 5593 5594 5595 5595 5617									
					5650 5652 5653 5653 5666 5667 5667* 5669 5671 5671* 5673 5676									
					5678 5678* 5680 5692* 5694 5696* 5739 5747 5751 5772* 5774 5795									
					5807 5832 5863 5891 5921 5930 5947 6014* 6029* 6036* 6038 6038									
					6052 6060* 6062 6094									
09	XSAVE	C	001	0060	7706									
	ZERD	C	001	0000	0930	3470 3562 3590 3612 3711 4121 4129 4170 4270 4309 4331 4381								
					4635 4672 4713 4772 4903									
10	ZONEBITS	C	001	00F0	0948									
11	TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY =					0								
	STATEMENTS FLAGGED AS WARNINGS					=	0							

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CROSS-REFERENCE													
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES								
	HEFMTBEG	A	002	D768	6360	3758							
03	HEFMTBLA	A	002	D764	6358	3708 3749 3858* 4629 4668* 6107							
	HEFMTCTR	A	001	D73E	6335	4529* 4560							
	HEFMTEND	A	002	D76A	6362	3757 4529*							

CHANGE ACTIVITY SUMMARY

MODULE NAME	FLAG	REFERENCE			
\$HELP	aa145	2362	149	5934	
	aa483		5973	5975	
END OF THE CHANGE ACTIVITY SUMMARY					
CHANGE FLAG REASONS					
aa145	PI0402	SS	__ 04	03/30/78	CKS
aa483	PI0757	SSP	07	07/22/80	JMD
END OF CHANGE FLAG REASONS					

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
HEFMTBEG	A	001	D81E	6508	5724
HENDTBL	C	001	0040	6370	4508 4519
HEND	A	008	D8D9	6580	

01	LYC7 - 1364 - 7	IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT		
02	29 JANUARY 82	PROGNO 5726-SS1	REL: R08-M00	
03	COPYRIGHT IBM CORP.	1978	LICENSED MATERIAL - PROPERTY OF IBM	
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01		PAGE 239	V09/11/81 12/05/81 12:00	01		
02	CROSS-REFERENCE					
03	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
	HESEUDSP	C	001	0038	1041	1042
	HESLAS	A	008	D8A9	6574	6489
	HESLASAS	A	008	D8B9	6576	6497
	HESLPARM	A	001	D6D4	6200	4833 6224

01						
02	SYMBOL	T	LEN	VALUE	DEFN	
03	HEUTILST	C	001	00A5	8410	
	HEWKFMTR	A	002	D766	6359	
	HEWKTBLa	A	002	D75E	6355	
	HEWORK	A	001	D782	6378	

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01	4500 SYMB YOU USED
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03	LENGTH OF MODULE IS
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01	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	HEUTILST	C	001	00A5	8410	6443
04	HEWKFMTR	A	002	D766	6359	3708* 3721* 3727* 3732* 3758* 3818 3839* 3858 3862
	HEWKTBLA	A	002	D75E	6355	3707* 3720* 3723 3726* 3731* 3734 3757* 3760 3832 3838* 3855
	HEWJRK	A	001	D782	6378	3905 3905* 3907* 3908* 3909 3909* 3926* 3927* 3932* 3937* 3939 3942*
						3944 3947* 3949 3949* 3951* 3954 3954* 3964 3967* 3969 3972* 3974

01	
02	SYMBOL T LEN VALU
03	HEC01100 A 004 CA5
	HEC01110 A 003 CA6
	HEC01120 A 003 CA9
	HEC01130 A 003 CA9
04	HEC01140 A 004 CA9

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4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.	
YOU USED	4 SYMBOLS.
LENGTH OF MODULE IS	173

\$HEOX \$HELP OXREF TABLE		
ERR LOC	OBJECT CODE	ADD
0000	FFFF	000
0002	C3D7C9D5	000
0006	0000000000	000
0008	7BC6C8F1	000
000F	000000	001
0012	0000	001
0014	7BC6C8F2	001
0018	000000	001
001B	0000	001
001D	7BC6C8F3	002
0021	000000	002
0024	0000	002
0026	7BC6C8F4	002
002A	000000	002
002D	0000	002
002F	7BC6C8F5	003
0033	000000	003
0036	0000	003
0038	7BC6C8F6	003
003C	000000	003
003F	0000	004
0041	7BC6C8F7	004
0045	000000	004
0048	0000	004
004A	7BC6C8F9	004
004E	000000	005
0051	0000	005
0053	7BC6C8C1	005
0057	000000	005
005A	0000	005
005C	7BC2C8F1	005
0060	000000	006
0063	0000	006
0065	7BC2C8F2	006
0069	000000	006
006C	0000	006
006E	7BC2C8F3	007
0072	000000	007
0075	0000	007
0077	7BC2C8F4	007

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CROSS-REFERENCE						
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
HE001100 A	004	CA57	3889	4135	4221	4239
HE001110 A	003	CA6E	3903	3893		
HE001120 A	003	CA94	3934	3930		
HE001130 A	003	CA9D	3939	3935	3952	
HE001140 A	004	CAAF	3949	3940	3945	

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SYMBOL	T	LEN	VALUE	DEFN
HE002315 A	005	CD89	4450	
HE002320 A	003	CDC8	4456	
HE002400 A	004	CDDC	4483	
HE002410 A	004	CDF6	4494	
HE002420 A	004	CF14	4508	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			
01								
\$HEOX \$HELP OXREF TABLE								
				PAGE	1	V09/11/81 12/05/81 12:02		
02	0000		2	\$HEOX	START 0	00020000		
03		0006	4		ENTRY HECPIN	00040000		
		0011	5		ENTRY HE##FH	00050000		
		0062	6		ENTRY HE##BH	00055000		
04			8	*****		00070000		
			9	*		00080000		
05			10	*	OXREF TABLE	00090000		
			11	*		00100000		
			12	*****		00110000		
06	0000 FFFF	0001	14	DC	XL2'FFFF'	00130000		
	0002 C3D7C9D5	0005	15	DC	CL4'CPIN'	00140000		
07		0006	16	HECPIN	EQU *	00150000		
	0006 0000000000	000A	17	DC	XL5'00'	00160000		
	000B 7BC6C8F1	000E	18	DC	CL4'##FH1'	00170000		
08		000F	000000	0011	19 HE##FH	DC XL3'00'	00180000	
		0012	0000	0013	20	DC XL2'00'	00190000	
		0014	7BC6C8F2	0017	21	DC CL4'##FH2'	00200000	
09		0018	000000	001A	22	DC XL3'00'	00210000	
		001B	0000	001C	23	DC XL2'00'	00220000	
		001D	7BC6C8F3	0020	24	DC CL4'##FH3'	00230000	
10		0021	000000	0023	25	DC XL3'00'	00240000	
		0024	0000	0025	26	DC XL2'00'	00250000	
		0026	7BC6C8F4	0029	27	DC CL4'##FH4'	00260000	
11		002A	000000	002C	28	DC XL3'00'	00270000	
		002D	0000	002E	29	DC XL2'00'	00280000	
		002F	7BC6C8F5	0032	30	DC CL4'##FH5'	00290000	
12		0033	000000	0035	31	DC XL3'00'	00300000	
		0036	0000	0037	32	DC XL2'00'	00310000	
		0038	7BC6C8F6	003B	33	DC CL4'##FH6'	00320000	
13		003C	000000	003E	34	DC XL3'00'	00330000	
		003F	0000	0040	35	DC XL2'00'	00340000	
		0041	7BC6C8F7	0044	36	DC CL4'##FH7'	00340001	
14		0045	000000	0047	37	DC XL3'00'	00340002	
		0048	0000	0049	38	DC XL2'00'	00340003	
		004A	7BC6C8F9	004D	39	DC CL4'##FH9'	00350000	
15		004E	000000	0050	40	DC XL3'00'	00360000	
		0051	0000	0052	41	DC XL2'00'	00370000	
		0053	7BC6C8C1	0056	42	DC CL4'##FHA'	00370001	
16		0057	000000	0059	43	DC XL3'00'	00370002	
		005A	0000	005B	44	DC XL2'00'	00370003	
17		005C	7BC2C8F1	005F	46	DC CL4'##BH1'	00380300	
		0060	000000	0062	47	HE##BH	DC XL3'00'	00380600
		0063	0000	0064	48	DC XL2'00'	00380900	
18		0065	7BC2C8F2	0068	49	DC CL4'##BH2'	00381200	
		0069	000000	006B	50	DC XL3'00'	00381500	
		006C	0000	006D	51	DC XL2'00'	00381800	
19		006E	7BC2C8F3	0071	52	DC CL4'##BH3'	00382100	
		0072	000000	0074	53	DC XL3'00'	00382400	
		0075	0000	0076	54	DC XL2'00'	00382700	
20		0077	7BC2C8F4	007A	55	DC CL4'##BH4'	00383000	

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CROSS-REFERENCE						
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
HE002315	A	005	CD89	4450	4436	
HE002320	A	003	CDC8	4456	4451	
HE002400	A	004	CDDC	4483	3543	
HE002410	A	004	CDF6	4494	4489 4492* 4495* 4539	
HE002420	A	004	CE14	4508	4536	

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
HE003610	A	004	D196			
HE003620	A	004	D1A2			
HE003700	A	003	D1A7			
HE003710	A	004	D1C1			
HE003720	A	003	D1E3			

01		EXTERNAL SYMBOL DICTIONARY		01					
02	SYMBOL	TYPE		02	SYMBOL	T	LEN	VALUE	DEFN
00383300	HECPIN	ENTRY		03	SHEOX	A	001	0000	0002
00383600	HE##FH	ENTRY		03	HE##BH	A	003	0062	0047
00383900	HE##BH	ENTRY		03	HE##FH	A	003	0011	0019
00384200				04	HECPIN	A	001	0006	0016
00384500				04	TOTAL STATEMENTS FLAGGED IN T				
00384800				05	STATEMENTS FLAGGED AS WARNING				
00385100				06					
00385400				06					
00385700				07					
00386000				07					
00386300				08					
00386600				08					
00386900				09					
00387200				09					
00387500				10					
00387800				10					
00388100				11					
00390000				11					
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H31

01		CROSS-REFERENCE		01		
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES

03	HE004930	A	005	D4BC	5739	5737*
03	HE004940	A	003	D4C4	5742	5735
03	HE004950	A	003	D4CB	5745	5740
03	HE004990	A	004	D4D6	5750	5727
04	HE005000	A	004	D4E2	5772	6679

02	SYMBOL	T	LEN	VALUE	DEFN
03	JCBDEXTA	C	001	0031	1251
03	JCBDFINA	C	001	0050	1275
03	JCBDFMNO	C	001	004C	1269
04	JCBDFSBF	C	001	0014	1221
04	JCBDFSBL	C	001	0012	1219

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
\$HEOX	A	001	0000	0002
HE##BH	A	003	0062	0047 0006
HE##FH	A	003	0011	0019 0005
HECPIN	A	001	0006	0016 0004
TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY = 0				
STATEMENTS FLAGGED AS WARNINGS = 0				

H32

29 JANUARY 82 PROGNO
COPYRIGHT IBM CORP. 1978

SYMBOL	T	LEN	VALUE	DEFN	REFERENCE
JCBDEAD	C	001	0008	1164	
JCBMDKAL	C	001	0020	1193	
JCBMDOPD	C	001	0002	1166	
JCBMDPRD	C	001	0004	1176	
JCBMDSAC	C	001	0001	1188	

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
JCBDEXTA	C	001	0031	1251 1253
JCBDFINA	C	001	0050	1275 1277 4561*
JCBDFMND	C	001	004C	1269 1271
JCBDFSBF	C	001	0014	1221 1223
JCBDFSBL	C	001	0012	1219 1221

SYMBOL	T	LEN	VALUE	DEFN	REFERENCE
JCBDEAD	C	001	0008	1164	
JCBMDKAL	C	001	0020	1193	
JCBMDOPD	C	001	0002	1166	
JCBMDPRD	C	001	0004	1176	
JCBMDSAC	C	001	0001	1188	

01	LYC7 - 1364 - 7	IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT		
02	29 JANUARY 82	PROGNO 5726-SS1	REL: R08-M00	
03	COPYRIGHT IBM CORP. 1978 LICENSED MATERIAL - PROPERTY OF IBM			
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01	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	JCBMDEAD	C	001	0008	1164	
03	JCBMDKAL	C	001	0020	1193	
03	JCBMDOPD	C	001	0002	1166	
03	JCBMDPRD	C	001	0004	1176	
04	JCBMDSRC	C	001	0001	1188	
04	JCBMEIBA	C	001	0001	1312	

SYMBOL T LEN VALUE

JCBMSRAL C 001 0008

JCBMSYLB C 001 0080

JCBMSYSN C 001 0040

JCBMTMLK C 001 0080

JCBMUPS1 C 001 0080

JCBMUPS2 C 001 0040

01 \$HETA 12/05/81 09:32

01 4500 SYMBOL VERSION OF THE ASSEMBLY

01 YOU USED 102 SYMBOLS.

03 LENGTH OF MODULE IS 137

H34

01 12:00

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CROSS-REFERENCE

CROSS-R

02 SYMBOL T LEN VALUE DEFN REFERENCES

02 SYMBOL T LEN VALUE DEFN REFERENCES

03 JCBMSRAL C 001 0008 1309

03 MCLDMIC C 001 0003 1368 1370 6009*

JCBMSYLB C 001 0080 1295

MCLDMSGM C 001 0000 1345 1354

JCBMSYSN C 001 0040 1192

MCLDMSGM C 001 0001 1354 1368

JCBMMLK C 001 0080 1305

MCLDOPTS C 001 000E 1402 1404

04 JCBMUPS1 C 001 0080 1201

04 MCLDPLGH C 001 000F 1404

JCBMUPS2 C 001 0040 1202

MCLDRETN C 001 000A 1382 1390

01	4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.		
02	YOU USED 102 SYMBOLS.		
03	LENGTH OF MODULE IS	137	
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H35

01	BETA HELP PRINT TABLE FOR MATHA		
02	REP LOC OBJECT CODE	ADDP STMT SOURCE	SYN
03		3 ** START	
04		4 **	
05		5 ** MODULE	
06		6 **	
07		7 **	
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100		100 **	

12:00

01	PAGE 248 V00/11/81 12/05/81 12:00					
02	CROSS-REFERENCE					
03	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
	MCLDMIC	C	001	0003	1368	1370 6009*
	MCLDMSGM	C	001	0000	1345	1354
	MCLDMSGN	C	001	0001	1354	1368
	MCLDOPTS	C	001	000E	1402	1404

01	CROSS-					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	MCLDMIC	C	001	0370	1590	1592
	MCLDMPLA	C	001	0370	1569	1584
	MCLDMGNC	C	001	0320	1540	1542
	MCLDMOBT	C	001	2000	1507	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HETA \$HELP FORMAT TABLE FOR ##FHA	PAGE 1 V09/11/81 12/05/81 12:03
02				3 */* START OF SPECIFICATIONS *****/	00030000
03				4 */* 2 */*	00040000
04				5 */* MODULE NAME = \$HETA */*	00050000
05				6 */* */*	00060000
06				7 */* DESCRIPTIVE NAME = \$HELP FORMAT TABLE FOR ##FHA */*	00070000
07				8 */* */*	00080000
08				9 * COPYR	00090000
09				10 */* COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981 */*	
10				11 */* LICENSED MATERIAL - PROGRAM PROP'Y OF IBM */*	
11				12 */* REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.*/	
12				13 *** END OF EXPANSION **	
13				14 */* */*	00100000
14				15 */* STATUS = RELEASE 6 */*	00110000
15				16 */* */*	00120000
16				17 */* NOTES */*	00130000
17				18 */* */*	00140000
18				19 */* DEPENDENCIES */*	00150000
19				20 */* */*	00160000
20				21 */* RESTRICTIONS = NONE */*	00170000
21				22 */* */*	00180000
22				23 */* REGISTER CONVENTIONS = NONE */*	00190000
23				24 */* */*	00200000
24				25 */* PATCH LABEL = NONE */*	00210000
25				26 */* */*	00220000
26				27 */* MODULE TYPE = LOAD MODULE ('D') AND SUBR MODULE */*	00230000
27				28 */* */*	00240000
28				29 */* MODULE SIZE = 256 BYTES */*	00250000
29				30 */* */*	00260000
30				31 */* ATTRIBUTES = 800800 */*	00270000
31				32 */* */*	00280000
32				33 */* ENTRY POINT = NONE */*	00290000
33				34 */* */*	00300000
34				35 */* MACROS = #EQU,HETBL, IOMAC,COPYR */*	00310000
35				36 */* */*	00320000
36				37 */*.CHANGE ACTIVITY - \$HETA CHANGED - 03/03/80 RSH */*	00330000
37				38 */* */*	00340000
38				39 */* END OF SPECIFICATIONS *****/	00350000
15	0000	41	\$HETA	START 0	00370000
16		43 *	IOMAC	ATTR=800800,RLD-D	00390000
17		44	LEVEL	08 RELEASE LEVEL	
18		45	ATTR	800800 LIBRARY ATTRIBUTES	
19		46	RLD	D RLD OPTION	
20		47	MRT	00 MRT OPTION	
18		49	***	END OF EXPANSION **	

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
CROSS-REFERENCE					
NUGTEACE	C	001	0370	1550	1552
NUGIPLAF	C	001	03F0	1569	1584
NUGLGACE	C	001	0320	1540	1542
NUGLOADI	C	001	2000	1593	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		51 *		#EQU	00410000
		52 *			
03	0001	53	XR1	EQU 1	REGISTER ONE
	0002	54	XR2	EQU 2	REGISTER TWO
	0004	55	PSR	EQU 4	PROGRAM STATUS REGISTER
04	0008	56	ARR	EQU 8	ADDRESS RECALL REGISTER
	0010	57	IAR	EQU 16	INSTRUCTION ADDRESS REGISTER
	0001	58	IOB	EQU 1	IOB POINTER
05	0002	59	DTF	EQU 2	DTF POINTER
		60 *			
	0000	61	#	EQU 0	ALTERABLE CODE
	0000	62	##	EQU 0	ALTERABLE CODE
06	0002	63	@	EQU 2	LENGTH OF ADDRESSES
		64 *			
	0040	65	BLANK	EQU C'	BLANK CHARACTER
07	0000	66	ZERO	EQU 0	**
	0001	67	ONE	EQU 1	**
	0002	68	TWO	EQU 2	**
08	0003	69	THREE	EQU 3	**
	0004	70	FOUR	EQU 4	**
	0005	71	FIVE	EQU 5	** SELF DEFINING TERMS
09	0006	72	SIX	EQU 6	**
	0007	73	SEVEN	EQU 7	**
	0008	74	EIGHT	EQU 8	**
10	0009	75	NINE	EQU 9	**
		76 *			
	0010	77	TRUE	EQU X'10'	TRUE CONDITION CODE
11	0090	78	FALSE	EQU X'90'	FALSE CONDITION CODE
	0087	79	UNCOND	EQU X'87'	UNCONDITIONAL CONDITION CODE
		80 *			
12	0080	81	NOOP	EQU X'80'	NEVER BRANCH
	0000	82	NOBIT	EQU X'00'	NO BITS MASK
	000F	83	NUMBITS	EQU X'0F'	NUMERIC BITS ONLY MASK
13	00F0	84	ZONEBITS	EQU X'F0'	ZONE BITS ONLY MASK
	00FF	85	ALLBIT	EQU X'FF'	ALL BITS MASK
	0080	86	BIT0	EQU X'80'	MASK FOR BIT 0 - X.....
14	0040	87	BIT1	EQU X'40'	MASK FOR BIT 1 - .X.....
	0020	88	BIT2	EQU X'20'	MASK FOR BIT 2 - ..X.....
	0010	89	BIT3	EQU X'10'	MASK FOR BIT 3 - ...X....
15	0008	90	BIT4	EQU X'08'	MASK FOR BIT 4 -X...
	0004	91	BIT5	EQU X'04'	MASK FOR BIT 5 -X..
	0002	92	BIT6	EQU X'02'	MASK FOR BIT 6 -X.
16	0001	93	BIT7	EQU X'01'	MASK FOR BIT 7 -X
		94 *			
	0008	95	IARX	EQU X'08'	IAR TRANSLATED
17	0014	96	OP2	EQU X'04'	OP2 TRANSLATED
	0001	97	OP1	EQU X'02'	OP1 TRANSLATED
	0000	98	PRV	EQU X'00'	TASK PRIVELEDGED
18	0001	99	NPRV	EQU X'01'	TASK NOT PRIVELEDGED
	0080	100	DSABL	EQU X'80'	DISPATCHING DISABLED
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J01

CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
OVERRID4	C	001	0037	7288	
OVERRID5	C	001	0038	7299	
PARM11	A	001	D72C	6315	5255* 5947* 6309
PATCH	C	001	008D	8656	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
PROMPT	C	001	0091	8206	
PRSAVE	C	001	0044	7421	
PRSFBDG	C	001	0014	1696	
PRSFBDG	C	001	0045	1688	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
00410000		103	*	HETBL	V-EQU	00430000	
		104	*****				
		105	*				
		106	*	HELP	FORMAT TABLE EQUATES		
		107	*				
		108	*****				
		0000	110	HECONTRL	EQU 0 CONTROL BYTE		
		0080	112	HEPRIME	EQU X'80' PRIME FORMAT ENTRY		
		0040	113	HESPLIT	EQU X'40' SPLIT FORMAT		
		0020	114	HENTEXEC	EQU X'20' FORMAT IS NOT EXECUTABLE		
		0010	115	HENDINPT	EQU X'10' NOT ALLOWED AS INPUT PARAMETER		
		0008	116	HENDCALL	EQU X'08' NON CALLABLE FORMAT		
		0004	117	HEROLL	EQU X'04' ROLL DOWN INTO SPLIT FORMAT OK		
		0001	119	HETYPE	EQU HECONTRL+1 FORMAT TYPE BYTE		
		0080	121	HESHELP	EQU X'80' PRIVILEGED FORMAT		
		0010	123	HESLST#1	EQU X'10' SUB LIST NUMBER 1		
		0020	124	HESLST#2	EQU X'20' SUB LIST NUMBER 2		
		0030	125	HESLST#3	EQU X'30' SUB LIST NUMBER 3		
		0040	126	HESLST#4	EQU X'40' SUB LIST NUMBER 4		
		0050	127	HESLST#5	EQU X'50' SUB LIST NUMBER 5		
		0060	128	HESLST#6	EQU X'60' SUB LIST NUMBER 6		
		0070	129	HESLST#7	EQU X'70' SUB LIST NUMBER 7		
		0001	131	HEPROC	EQU X'01' SSP PROCEDURES		
		0002	132	HECMD	EQU X'02' SSP COMMANDS		
		0003	133	HEOCL	EQU X'03' OCL STATEMENTS		
		0004	134	HEPCE	EQU X'04' PCE STATEMENTS		
		0005	135	HEUTIL	EQU X'05' UTILITY PROCEDURES		
		0006	136	HELANG	EQU X'06' LANGUAGE PROCEDURES		
		0007	137	HETP	EQU X'07' TP PROCEDURES		
		0008	138	HESVAID	EQU X'08' SERVICE AID PROCEDURES		
		0003	140	HEINDMSK	EQU HETYPE+2 MANDATORY FIELD MASK		
		0004	141	HESUBRA	EQU HEINDMSK+1 SUBROUTINE TABLE DISPLACEMENT		
		0007	142	HECMPMSK	EQU HESUBRA+3 COMPRESS MASK		
		0008	143	HETBLEN	EQU HECMPMSK+1 LENGTH OF TABLE ENTRY		
		145	*****				
		146	*			*	
		147	*	THE	FOLLOWING EQUATES ARE USED BY #CIPP (// PROMPT)	*	
		148	*			*	
		149	*****				
		0000	151	HEDFUDSP	EQU 0 DISP OF 1ST DFU ENTRY IN #HET9		
		0028	152	HESDADSP	EQU HEDFUDSP+5#HETBLEN DISP OF 1ST SDA ENTRY IN #HET9		
		0038	153	HESEUDSP	EQU HESDADSP+2#HETBLEN DISP OF 1ST SEU ENTRY IN #HET9		
		0040	154	HESRTDSP	EQU HESEUDSP+1#HETBLEN DISP OF 1ST SORT ENTRY IN #HET9		
		0048	155	HESRXDSP	EQU HESRTDSP+1#HETBLEN DISP OF 1ST SRTX ENTRY IN #HET9		
		0068	156	HEWSUDSP	EQU HESRXDSP+4#HETBLEN DISP OF 1ST WSU ENTRY IN #HET9		

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
PROMPT	C	001	0091	8206	
PRSAVE	C	001	0044	7421	
PRSFBDG	C	001	0014	1696	
PRSFBBG	C	001	0045	1688	
PRSFBDG	C	001	0028	1675	
PRSFBPW	C	001	0043	1686	
PRSFCCD	C	001	0000	1682	
PRSECLAS	C	001	0001	1690	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	0040	157	HEASMDSP	EQU	HEWSUDSP+7*HETBLEN DISP OF 1ST ASM ENTRY IN #HET9
	0088	158	HEBSCDSP	EQU	HEASMDSP+3*HETBLEN DISP OF 1ST BSC ENTRY IN #HET9
	00D0	159	HECBLDSP	EQU	HEBSCDSP+3*HETBLEN DISP OF 1ST CBL ENTRY IN #HET9
	0000	161	HEFRTDSP	EQU	0 DISP OF 1ST FRT ENTRY IN #HETA
	0030	162	HEOLEDSP	EQU	HEFRTDSP+6*HETBLEN DISP OF 1ST OLE ENTRY IN #HETA
	0038	163	HERPGDSP	EQU	HEOLEDSP+1*HETBLEN DISP OF 1ST RPG ENTRY IN #HETA
	0060	164	HESMFDSP	EQU	HERPGDSP+5*HETBLEN DISP OF 1ST SMF ENTRY IN #HETA
		167	*** END OF EXPANSION **		

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
QXR2	C	001	0020	2364	
QXU	C	001	0040	2365	
QO	C	001	0000	2366	
Q1	C	001	0001	2352	
RAFA	C	001	001A	3405	
RALLOC	C	001	000C	3391	
RCHKPT	C	001	0030	3427	
RCLOSE	C	001	0003	3382	

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\$HETA \$HELP FORMAT TABLE FOR ##FHA		PAGE 5 V09/11/81 12/05/81 12:03	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02		169 *	HETBL V-DC,NAME-FORFT,PRIME-Y,TYPE-6,SBLST-2,SUBR-50, MASK-01010101010101010101
		170 *	
	0000	171 FORTP	EQU 0 TABLE ENTRY NUMBER
03	0000 80	0000 172	DC AL1(128+0+0+0+0) CTRL CODE
	0001 26	0001 173	DC AL1(0+32+6) FORMAT TYPE BYTE
	0002 0000	0003 174	DC BL2'0000000000000000' MANDATORY FIELD MASK
04	0004 29	0004 175	DC AL1(41) SUBROUTINE TABLE DISPLACEMENT
	0005 555553	0007 176	DC BL3'01010101010101010101' 960 SCREEN MASK
05		178 ***	END OF EXPANSION **
		179 *	HETBL V-DC,NAME-FORTC,PRIME-Y,TYPE-6, MASK-01010101010100001111
06		0001 181 FORTC	EQU 1 TABLE ENTRY NUMBER
	0008 80	0008 182	DC AL1(128+0+0+0+0) CTRL CODE
	0009 06	0009 183	DC AL1(0+0+6) FORMAT TYPE BYTE
07	000A 0000	000B 184	DC BL2'0000000000000000' MANDATORY FIELD MASK
	000C 00	000C 185	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
	000D 55550F	000F 186	DC BL3'010101010101010100001111' 960 SCREEN MASK
08		188 ***	END OF EXPANSION **
		189 *	HETBL V-DC,NAME-FORTGO,PRIME-Y,TYPE-6, MASK-01010101010100001111
09		0002 191 FORTGO	EQU 2 TABLE ENTRY NUMBER
	0010 80	0010 192	DC AL1(128+0+0+0+0) CTRL CODE
	0011 06	0011 193	DC AL1(0+0+6) FORMAT TYPE BYTE
	0012 0000	0013 194	DC BL2'0000000000000000' MANDATORY FIELD MASK
	0014 00	0014 195	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
11	0015 55550F	0017 196	DC BL3'010101010101010100001111' 960 SCREEN MASK
12		198 ***	END OF EXPANSION **
		199 *	HETBL V-DC,NAME-FORTCG,PRIME-Y,TYPE-6,MAND-1000000000, MASK-01010101010101010101
		200 *	
	0003 201 FORTCG	EQU 3 TABLE ENTRY NUMBER	
13	0018 80	0018 202	DC AL1(128+0+0+0+0) CTRL CODE
	0019 06	0019 203	DC AL1(0+0+6) FORMAT TYPE BYTE
	001A 8000	001B 204	DC BL2'1000000000000000' MANDATORY FIELD MASK
14	001C 00	001C 205	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
	001D 555555	001F 206	DC BL3'010101010101010101010101' 960 SCREEN MASK
15		208 ***	END OF EXPANSION **
		209 *	HETBL V-DC,NAME-FORTMOVE,PRIME-Y,TYPE-6,MAND-1000000000, MASK-01010101010101010101
		210 *	
16		0004 211 FORTMOVE	EQU 4 TABLE ENTRY NUMBER
	0020 80	0020 212	DC AL1(128+0+0+0+0) CTRL CODE
	0021 06	0021 213	DC AL1(0+0+6) FORMAT TYPE BYTE
17	0022 8000	0023 214	DC BL2'1000000000000000' MANDATORY FIELD MASK
	0024 00	0024 215	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
	0025 555555	0027 216	DC BL3'010101010101010101010101' 960 SCREEN MASK
18		218 ***	END OF EXPANSION **
		219 *	HETBL V-DC,NAME-FORTPRNT,PRIME-Y,TYPE-6,MAND-1000000000, MASK-0101010101010100001111
		220 *	
19		0005 221 FORTPRNT	EQU 5 TABLE ENTRY NUMBER
	0028 80	0028 222	DC AL1(128+0+0+0+0) CTRL CODE

J04

\$HETA \$HELP FORMAT TABLE FOR ##FHA		PAGE 5 V09/11/81 12/05/81 12:03	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	0029 06	0029 223	
	002A 8000	002B 224	
	002C 00	002C 225	
03	002D 55550F	002F 226	
04		228 ***	E
		229 *	
		230 *	
		0006 231 OLINK	
05	0030 80	0030 232	
	0031 06	0031 233	
	0032 8000	0033 234	
06	0034 00	0034 235	
	0035 555555	0037 236	
07		238 ***	E
		239 *	
		240 *	
		0007 241 RPG11	
08	0038 80	0038 242	
	0039 36	0039 243	
09	003A 0000	0038 244	
	003C 29	003C 245	
	003D 555553	003F 246	
10		248 ***	E
		249 *	
		250 *	
		0008 251 AUTO	
11	0040 80	0040 252	
	0041 06	0041 253	
	0042 8000	0043 254	
12	0044 00	0044 255	
	0045 555556	0047 256	
13		258 ***	E
		259 *	
		260 *	
		0009 261 RPG	
14	0048 80	0048 262	
	0049 06	0049 263	
	004A 8000	004B 264	
	004C 00	004C 265	
	004D 555556	004F 266	
15		268 ***	E
		269 *	
		270 *	
		000A 271 RPGR	
16	0050 80	0050 272	
	0051 06	0051 273	
17	0052 8000	0053 274	
	0054 00	0054 275	
	0055 555555	0057 276	

CROSS-REFERENCE		PAGE 253 V09/11/81 12/05/81 12:00	
SYMBOL	T LEN VALUE	DEFN	REFERENCES
RSALOC	C 001 000E	3393	
RSETX	C 001 0020	3411	
RSETG	C 001 0008	3387	
RSIN	C 001 0007	3386	
RSLIST	C 001 0006	3385	
RSLOG	C 001 0005	3384	
RSMFC	C 001 003C	3439	
PSMSG	C 001 0009	3388	6033

SYMBOL	T LEN VALUE	DEFN	REFERENCES
SCACS16K	C 001 0004	1782	
SCADWZK	C 001 007A	2008	2010
SCADPTUB	C 001 0052	1897	1899
SCADABCT	C 001 0077	1986	1988
SCADBSCT	C 001 0053	1899	1901
SCADCF6S	C 001 00AB	2153	2163 2176
SCADCF61	C 001 0012	1784	1799
SCADCF62	C 001 0013	1799	1812

01	
02	
03	
04	00570000 00580000
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07	00590000 00600000
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11	00610000 00620000
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14	00630000 00640000
15	
16	
17	00650000 00660000
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19	
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01					
02				278 *** END OF EXPANSION **	
03				279 * HETBL V-DC,NAME-RPGX,PRIME-Y,TYPE-6,MAND-1000000000,	00670000
				280 * MASK-01010101010101010101	00680000
		000B	281	RPGX EQU 11 TABLE ENTRY NUMBER	
04		0058	282	DC AL1(128+0+0+0+C*0) CTRL CODE	
		0059	283	DC AL1(0+0+6) FORMAT TYPE BYTE	
		005A	284	DC BL2'1000000000000000' MANDATORY FIELD MASK	
05		005C	285	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		005D	286	DC BL3'01010101010101010101' 960 SCREEN MASK	
06				288 *** END OF EXPANSION **	
				289 * HETBL V-DC,NAME-SMF,PRIME-Y,TYPE-8,SUBR-50,SBLST-1,	00690000
				290 * MASK-0100101010101010101011	00700000
		000C	291	SMF EQU 12 TABLE ENTRY NUMBER	
07		0060	292	DC AL1(128+0+0+0+0+0) CTRL CODE	
		0061	293	DC AL1(0+16+8) FORMAT TYPE BYTE	
		0062	294	DC BL2'0000000000000000' MANDATORY FIELD MASK	
08		0064	295	DC AL1(41) SUBROUTINE TABLE DISPLACEMENT	
		0065	296	DC BL3'0100101010101010101011' 960 SCREEN MASK	
09				298 *** END OF EXPANSION **	
				299 * HETBL V-DC,NAME-SMFSTART,PRIME-Y,TYPE-8,SUBR-52,	00710000
				300 * MASK-0101010101010101010110	00720000
10		000D	301	SMFSTART EQU 13 TABLE ENTRY NUMBER	
		0068	302	DC AL1(128+0+0+0+0+0) CTRL CODE	
		0069	303	DC AL1(0+0+8) FORMAT TYPE BYTE	
11		006A	304	DC BL2'0000000000000000' MANDATORY FIELD MASK	
		006C	305	DC AL1(45) SUBROUTINE TABLE DISPLACEMENT	
		006D	306	DC BL3'0101010101010101010110' 960 SCREEN MASK	
12				308 *** END OF EXPANSION **	
				309 * HETBL V-DC,NAME-SMFSTOP,PRIME-Y,TYPE-8,	00730000
				310 * MASK-0101010101010101010110	00740000
		000E	311	SMFSTOP EQU 14 TABLE ENTRY NUMBER	
14		0070	312	DC AL1(128+0+0+0+0+0) CTRL CODE	
		0071	313	DC AL1(0+0+8) FORMAT TYPE BYTE	
		0072	314	DC BL2'0000000000000000' MANDATORY FIELD MASK	
		0074	315	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
15		0075	316	DC BL3'0101010101010101010110' 960 SCREEN MASK	
16				318 *** END OF EXPANSION **	
				319 * HETBL V-DC,NAME-SMFPRINT,PRIME-Y,TYPE-8,	00750000
				320 * MASK-0101010101010101010110	00760000
		000F	321	SMFPRINT EQU 15 TABLE ENTRY NUMBER	
17		0078	322	DC AL1(128+0+0+0+0+0) CTRL CODE	
		0079	323	DC AL1(0+0+8) FORMAT TYPE BYTE	
		007A	324	DC BL2'0000000000000000' MANDATORY FIELD MASK	
18		007C	325	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		007D	326	DC BL3'0101010101010101010110' 960 SCREEN MASK	
19				328 *** END OF EXPANSION **	
				329 * HETBL V-DC,NAME-SMFSTAR2,TYPE-8,	00763000
20				330 * MASK-0000000000000101010111	00766000

01	
02	0010 0080 00 0080
03	0081 08 0081 0082 0000 0083 0084 00 0084 0085 000557 0087
04	
05	0088 FF 0088 FFFF
06	LENGTH OF MODULE IS 137
07	
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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
SCADREL#	C	001	0016	1832 1833
SCADREOJ	C	001	0095	2083 2084 2085 2089
SCADRFRTR	C	001	00CE	2236 2238
SCADRSC2	C	001	007F	2013 2014
SCADRSEC	C	001	00A2	2122 2124
SCADRSPC	C	001	00BF	2178 2180
SCADSBFP	C	001	004B	1889 1891

01	
02	
03	SCAHFERR C 001 0080 1912
	SCAHFSI2 C 001 0033 1870
	SCAIPLW C 001 0060 1955
	SCAIPLW1 C 001 006B 1956
04	SCAIPLW5 C 001 0095 2084
	SCAIPLW6 C 001 0059 1905
	SCAIPTOC C 001 0022 1857

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
0080 00	0080 332	DC	AL1(0+0+0+0+0)	CTRL CODE	TABLE ENTRY NUMBER	
0081 08	0081 333	DC	AL1(0+0+8)	FORMAT TYPE BYTE		
0082 0000	0083 334	DC	BL2'0000000000000000'	MANDATORY FIELD MASK		
0084 00	0084 335	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT		
0085 000557	0087 336	DC	BL3'000000000000010101010111'	960 SCREEN MASK		
			338 ***	END OF EXPANSION **		
0088 FF	0088 339	DC	XL1'FF'	END OF TABLE		00770000
	FFFF 341	END				00790000
			LENGTH OF MODULE IS	137		

SYMBOL	T	LEN	VALUE	DEFN	REF
\$HETA	A	001	0000	0041	
#	C	001	0000	0061	018
##	C	001	0000	0062	033
a	C	001	0002	0063	
ALLBIT	C	001	00FF	0085	
ARR	C	001	0008	0056	
AUTO	C	001	0008	0251	
BIT0	C	001	0080	0086	
BIT1	C	001	0040	0087	
BIT2	C	001	0020	0088	
BIT3	C	001	0010	0089	
BIT4	C	001	0008	0090	
BIT5	C	001	0004	0091	
BIT6	C	001	0002	0092	
BIT7	C	001	0001	0093	
BLANK	C	001	0040	0065	
DSABL	C	001	0080	0100	
DTF	C	001	0002	0059	
EIGHT	C	001	0008	0074	
FALSE	C	001	0090	0078	
FIVE	C	001	0005	0071	
FORTC	C	001	0001	0181	
FORTCG	C	001	0003	0201	
FORTGO	C	001	0002	0191	
FORTMOVE	C	001	0004	0211	
FORTP	C	001	0000	0171	
FORTPRNT	C	001	0005	0221	
FOUR	C	001	0004	0070	
HE\$HELP	C	001	0080	0121	
HEASPDSP	C	001	00A0	0157	0158
HEBSCDSP	C	001	00B8	0158	0159
HECBLDSP	C	001	00D0	0159	
HECMD	C	001	0002	0132	
HECMPMSK	C	001	0007	0142	0143
HECONTRL	C	001	0000	0110	0119
HEDFUDSP	C	001	0000	0151	0152
HEFRTDSP	C	001	0000	0161	0162
HELANG	C	001	0006	0136	
HEINDMSK	C	001	0003	0140	0141
HENDCALL	C	001	0008	0116	
HENDIMPT	C	001	0010	0115	
HENTEXEC	C	001	0020	0114	
HEOCL	C	001	0003	0133	
HEOLEDSP	C	001	0030	0162	0163
HEPCE	C	001	0004	0134	
HEPRIME	C	001	0080	0112	
HEPROC	C	001	0001	0131	
HEROLL	C	001	0004	0117	
HERPGDSP	C	001	0038	0163	0164
HESDADSP	C	001	0028	0152	0153
HESFUDSP	C	001	0038	0153	0154

J07

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCAHFERR	C	001	0080	1912	
SCAHFS12	C	001	0033	1870	1871
SCAIPLWJ	C	001	0060	1955	
SCAIPLW1	C	001	0068	1956	
SCAIPLW5	C	001	0095	2084	
SCAIPLW6	C	001	0059	1905	
SCAIVTOC	C	001	0022	1857	1858

SYMBOL	T	LEN	VALUE	DEFN	REF
SCAHFAIL	C	001	0010	2038	
SCAHFLOC	C	001	0010	2114	
SCAHFORX	C	001	0020	2037	
SCAHFUND	C	001	0004	2218	
SCAHHALC	C	001	0020	2112	
SCAHDEL	C	001	0040	2106	
SCAHHELP	C	001	0020	1976	

01		CROSS-REFERENCE												01									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES												02	SYMBOL	T	LEN	VALUE	DEFN
03	\$HETA	A	001	0000	0041	0185	0195	0205	0215	0225	0235	0255	0265	0275	0285	0315	0325	03	HESLST#1	C	001	0010	0123
	#	C	001	0000	0061	0335												03	HESLST#2	C	001	0020	0124
	##	C	001	0000	0062													03	HESLST#3	C	001	0030	0125
04	a	C	001	0002	0063													04	HESLST#4	C	001	0040	0126
	ALLBIT	C	001	00FF	0085													04	HESLST#5	C	001	0050	0127
00770000	ARR	C	001	0008	0056													04	HESLST#6	C	001	0060	0128
00790000	AUTO	C	001	0008	0251													05	HESLST#7	C	001	0070	0129
	BIT0	C	001	0080	0086													05	HESMFDSP	C	001	0060	0164
	BIT1	C	001	0040	0087													05	HESPLIT	C	001	0040	0113
	BIT2	C	001	0020	0088													06	HESRTDSP	C	001	0040	0154
	BIT3	C	001	0010	0089													06	HESRXDSP	C	001	0048	0155
	BIT4	C	001	0008	0090													06	HESUBRA	C	001	0004	0141
	BIT5	C	001	0004	0091													07	HESWALD	C	001	0008	0138
	BIT6	C	001	0002	0092													07	HETBLEN	C	001	0008	0143
	BIT7	C	001	0001	0093													07	HETP	C	001	0007	0137
08	BLANK	C	001	0040	0065													08	HETYP	C	001	0001	0119
	DSABL	C	001	0080	0100													08	HEUTIL	C	001	0005	0135
	DTF	C	001	0002	0059													08	HEUSUDSP	C	001	0068	0156
	EIGHT	C	001	0008	0074													09	IAR	C	001	0010	0057
	FALSE	C	001	0090	0078													09	IARX	C	001	0008	0095
	FIVE	C	001	0005	0071													09	IOB	C	001	0001	0058
	FORTC	C	001	0001	0181													10	NINE	C	001	0009	0075
	FORTCG	C	001	0003	0201													10	NOBIT	C	001	0000	0082
	FORTGO	C	001	0002	0191													10	NOOP	C	001	0080	0081
	FORTMOVE	C	001	0004	0211													11	NPRV	C	001	0001	0099
	FORTP	C	001	0000	0171													11	NUMBITS	C	001	000F	0083
	FORTPRINT	C	001	0005	0221													11	OLINK	C	001	0006	0231
	FOUR	C	001	0004	0070													12	ONE	C	001	0001	0067
	HESHELP	C	001	0080	0121													12	OP1	C	001	0002	0097
	HESMFDSP	C	001	00A0	0157	0158												12	OP2	C	001	0004	0096
	HEBSCDSP	C	001	0088	0158	0159												13	PRV	C	001	0000	0098
	HECBLDSP	C	001	00D0	0159													13	PSR	C	001	0004	0055
	HECMD	C	001	0002	0132													13	RPG	C	001	0009	0261
	HECMPMSK	C	001	0007	0142	0143												14	RPGII	C	001	0007	0241
	HECONTRL	C	001	0000	0110	0119												14	RPGR	C	001	000A	0271
	HEFDUDSP	C	001	0000	0151	0152												14	RPGX	C	001	0008	0281
	HEFRD DSP	C	001	0000	0161	0162												15	SEVEN	C	001	0007	0073
	HELANG	C	001	0006	0136													15	SIX	C	001	0006	0072
	HEMNDMSK	C	001	0003	0140	0141												15	SIMF	C	001	000C	0291
	HENDCALL	C	001	0008	0116													16	SIMFPRINT	C	001	000F	0321
	HENDINPT	C	001	0010	0115													16	SIMFSTART	C	001	0000	0301
	HENTEXEC	C	001	0020	0114													16	SIMFSTARZ	C	001	0010	0331
	HEOCL	C	001	0003	0133													17	SIMFSTOP	C	001	000E	0311
	HEOCLDSP	C	001	0030	0162	0163												17	THREE	C	001	0003	0069
	HEPCE	C	001	0004	0134													17	TRUE	C	001	0010	0077
	HEPRIME	C	001	0080	0112													17	TWO	C	001	0002	0068
	HEPROC	C	001	0001	0131													18	UNCOND	C	001	0007	0079
	HEROLL	C	001	0004	0117													18	XR1	C	001	0001	0053
	HERPGDSP	C	001	0038	0163	0164												18	XR2	C	001	0002	0054
	HESDADSP	C	001	0028	0152	0153												19	ZERO	C	001	0000	0066
	HESFDUDSP	C	001	0038	0153	0154												19	ZONEBITS	C	001	00F0	0084
20																		20	TOTAL STATEMENTS FLAGGED IN THIS				
																		20	STATEMENTS FLAGGED AS WARNINGS				

01		CROSS-REFERENCE												01									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES												02	SYMBOL	T	LEN	VALUE	DEFN
	SCAMFAIL	C	001	0010	2038													02	SCAMPVK	C	001	0040	2036
03	SCAMFLOC	C	001	0010	2114													03	SCAMPREP	C	001	0001	1919
	SCAMFORK	C	001	0020	2037													03	SCAMPRT	C	001	00E0	1908
	SCAMFUND	C	001	0004	2218													04	SCAMPRI0	C	001	0001	2256
04	SCAMHALC	C	001	0020	2112													04	SCAMPRI20	C	001	0002	2255
	SCAMHDEL	C	001	0040	2106													04	SCAMPRI40	C	001	0004	2254
	SCAMHELP	C	001	0020	1976													04	SCAMPRI80	C	001	0008	2253

CROSS-REFERENCE										
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				
01										
02										
03	HESLST#1	C	001	0010	0123					
03	HESLST#2	C	001	0020	0124					
03	HESLST#3	C	001	0030	0125					
04	HESLST#4	C	001	0040	0126					
04	HESLST#5	C	001	0050	0127					
04	HESLST#6	C	001	0060	0128					
05	HESLST#7	C	001	0070	0129					
05	HESMF DSP	C	001	0060	0164					
05	HESPLIT	C	001	0040	0113					
06	HESRTDSP	C	001	0040	0154	0155				
06	HESRXDSP	C	001	0048	0155	0156				
06	HESUBR#	C	001	0004	0141	0142				
07	HESVAID	C	001	0008	0138					
07	HETBLEN	C	001	0008	0143	0152 0153 0154 0155 0156 0157 0158 0159 0162 0163 0164				
07	HETP	C	001	0007	0137					
08	HETYPE	C	001	0001	0119	0140				
08	HEUTIL	C	001	0005	0135					
08	HEWSUDSP	C	001	0068	0156	0157				
09	IAR	C	001	0010	0057					
09	IARX	C	001	0008	0095					
09	IOB	C	001	0001	0058					
10	NINE	C	001	0009	0075					
10	NOBIT	C	001	0000	0082					
10	NOOP	C	001	0080	0081					
11	NPRV	C	001	0001	0099					
11	NUMBITS	C	001	000F	0083					
11	OLINK	C	001	0006	0231					
12	ONE	C	001	0001	0067					
12	OP1	C	001	0002	0097					
12	OP2	C	001	0004	0096					
13	PRV	C	001	0000	0098					
13	PSR	C	001	0004	0055					
13	RPG	C	001	0009	0261					
14	RPGII	C	001	0007	0241					
14	RPGR	C	001	000A	0271					
14	RPGX	C	001	0008	0281					
15	SEVEN	C	001	0007	0073					
15	SIX	C	001	0006	0072					
15	SMF	C	001	000C	0291					
16	SMFPRINT	C	001	000F	0321					
16	SMFSTART	C	001	000D	0301					
16	SMFSTAR2	C	001	0010	0331					
17	SMFSTOP	C	001	000E	0311					
17	THREE	C	001	0003	0069					
17	TRUE	C	001	0010	0077					
18	TWO	C	001	0002	0068					
18	UNCOND	C	001	0087	0079					
18	XR1	C	001	0001	0053					
19	XR2	C	001	0002	0054					
19	ZERO	C	001	0000	0066					
19	ZONEBITS	C	001	00F0	0084					
20	TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY =				0					
20	STATEMENTS FLAGGED AS WARNINGS =				0					

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01						
02						
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CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01						
02						
03	SCAMPOVK	C	001	0040	2036	
03	SCAMPREP	C	001	0001	1919	
03	SCAMPRT	C	001	00E0	1908	
04	SCAMPRI0	C	001	0001	2256	
04	SCAMPRI20	C	001	0002	2255	
04	SCAMPRI40	C	001	0004	2254	
04	SCAMPRI80	C	001	0008	2253	

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01						
02						
03	SCAMXTRA	C	001	0080	1989	
03	SCAMX21	C	001	0001	2268	
03	SCAMX215	C	001	0002	2219	
04	SCAMX211	C	001	0088	2078	
04	SCAMX212	C	001	0044	2079	
04	SCAMX213	C	001	0022	2080	
04	SCAMX214	C	001	0011	2081	

01	LYC7 - 1364 - 7 IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT				
02	29 JANUARY 82		PROGNO 5726-SS1	REL: R08-M00	
03	COPYRIGHT IBM CORP. 1978		LICENSED MATERIAL - PROPERTY OF IBM		
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01	PAGE 259 V09/11/81 12/05/81 12:00				
02	CROSS-REFERENCE				
03	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
04	SCAMPXTRA	C	001	0080	1989
	SCAMPX21	C	001	0001	2268
	SCAMPX215	C	001	0002	2219
	SCAMPX211	C	001	0088	2078
	SCAMPX212	C	001	0044	2079
	SCAMPX213	C	001	0022	2080
	SCAMPX214	C	001	0011	2081

02	SYMBOL	T	LEN	VALUE	D
03	SESSION2	C	001	0096	8
	SESSION3	C	001	0097	8
	SESSION4	C	001	0098	8
	SESSION5	C	001	0099	8
04	SESSION6	C	001	009A	8
	SESSION7	C	001	009B	8
	SESSION8	C	001	009C	8

01	\$HET9 12/05/81 09:32	01	4500 SYMBOL VERSION OF TH
02		02	YOU USED 117 SYMBOLS.
03		03	LENGTH OF MODULE IS 256
04		04	
05		05	
06		06	
07		07	
08		08	
09		09	
10		10	
11		11	
12		12	
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14		14	
15		15	
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01		PAGE 260 V09/11/81 12/05/81 12:00	01		
02	CROSS-REFERENCE			02	
03	SYMBOL	T LEN VALUE DEFN	REFERENCES	03	SYMBOL T LEN VALUE DEFN REFERE
04	SESSION2	C 001 0096 8257		04	SVCMOVEI C 001 002A 2327
	SESSION3	C 001 0097 8267			SVCOP C 001 00F4 2372
	SESSION4	C 001 0098 8278			SVCPR C 001 0000 2297
	SESSION5	C 001 0099 8288			SVCPOST C 001 0003 2287
	SESSION6	C 001 009A 8298			SVCPOSTA C 001 0019 2309
	SESSION7	C 001 009B 8308			SVCPOSTI C 001 002B 2328
	SESSION8	C 001 009C 8318			SVCPPSVC C 001 000B 2295

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01	4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.
02	YOU USED 117 SYMBOLS.
03	LENGTH OF MODULE IS 256
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01	\$HET9 \$HELP FORMAT TA
02	ERR LOC OBJECT CODE
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01	CROSS-REFERENCE
02	SYMBOL T LEN VALUE DEFN REFERENCES
03	SVCMOVEI C 001 002A 2327
04	SVCOP C 001 00F4 2372
	SVCPPMR C 001 0000 2297
	SVCPOST C 001 0003 2287
	SVCPOSTA C 001 0019 2309
	SVCPOSTI C 001 0028 2328
	SVCPPSVC C 001 0008 2295

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02	SYMBOL T LEN VALUE D
03	TCBARSE C 001 0018 2
	TCBAXR1 C 001 0019 2
	TCBAXR2 C 001 0018 2
	TCBABTRM C 001 0010 2
	TCBAE00 C 001 0002 2
	TCBAFAIL C 001 005F 2
	TCBARQCT C 001 0076 2

01	\$HET9 \$HELP FORMAT TABLE FOR ##FH9			PAGE 1	V09/11/81	12/05/81	12:03
02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE	STATEMENT		
03				3 **/	START OF SPECIFICATIONS *****/	00010400	
04				4 **/		00010600	1 */
05				5 **/	MODULE NAME = \$HET9	00010800	*/
06				6 **/		00011000	*/
07				7 **/	DESCRIPTIVE NAME = \$HELP FORMAT TABLE FOR ##FH9	00011200	*/
08				8 **/		00011400	*/
09				9 *	COPYR	00011600	
10				10 **/	COPYRIGHT= 5726-551 COPYRIGHT IBM CORP 1977, 1981		*/
11				11 **/	LICENSED MATERIAL - PROGRAM PROPERTY OF IBM		*/
12				12 **/	REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.*/		*/
13				13 ***	END OF EXPANSION **		
14				14 **/		00011800	*/
15				15 **/	STATUS = RELEASE 8	00012000	*/
16				16 **/		00012200	*/
17				17 **/	NOTES	00012400	*/
18				18 **/		00012600	*/
19				19 **/	DEPENDENCIES	00012800	*/
20				20 **/		00013000	*/
21				21 **/	RESTRICTIONS = NONE	00013200	*/
22				22 **/		00013400	*/
23				23 **/	REGISTER CONVENTIONS = NONE	00013600	*/
24				24 **/		00013800	*/
25				25 **/	PATCH LABEL = NONE	00014000	*/
26				26 **/		00014200	*/
27				27 **/	MODULE TYPE = LOAD MODULE ('0') AND SUBR MODULE	00014400	*/
28				28 **/		00014600	*/
29				29 **/	MODULE SIZE = 256 BYTES	00014800	*/
30				30 **/		00015000	*/
31				31 **/	ATTRIBUTES = 800800	00015200	*/
32				32 **/		00015400	*/
33				33 **/	ENTRY POINT = NONE	00015600	*/
34				34 **/		00015800	*/
35				35 **/	MACROS = #EQU,HETBL, IDMAC,COPYR	00016000	*/
36				36 **/		00016200	*/
37				37 **/	CHANGE ACTIVITY - \$HET9 CHANGED - 03/06/81 RSS	00016400	*/
38				38 **/		00016600	*/
39				39 **/	END OF SPECIFICATIONS *****/	00016800	
40	0000			41 \$HET9	START 0	00020000	
43				43 *	IDMAC ATTR=800800,RLD=0	00040000	
44				44	LEVEL 08 RELEASE LEVEL		
45				45	ATTR 800800 LIBRARY ATTRIBUTES		
46				46	RLD D RLD OPTION		
47				47	MRT 00 MRT OPTION		
49				49 ***	END OF EXPANSION **		

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01	\$HET9 \$HELP FORMAT TABLE FOR ##FH9		
02	ERR LOC	OBJECT CODE	ADDR STMT
03			51 *
04			52 *
05			0001 53 XR1
06			0002 54 XR2
07			0004 55 PSP
08			0008 56 ARF
09			0010 57 IAF
10			0001 58 IOE
11			0002 59 DTF
12			0000 61 #
13			0000 62 ##
14			0002 63 @
15			0040 65 BLA
16			0000 66 ZER
17			0001 67 ONE
18			0002 68 TWO
19			0003 69 THR
20			0004 70 FOUR
21			0005 71 FIV
22			0006 72 SIX
23			0007 73 SEV
24			0008 74 EIG
25			0009 75 NIN
26			0010 77 TRU
27			0090 78 FAL
28			0087 79 UNC
29			0080 81 NOO
30			0000 82 NOB
31			000F 83 NUM
32			00F0 84 ZOM
33			00FF 85 ALL
34			0080 86 BIT
35			0040 87 BIT
36			0020 88 BIT
37			0010 89 BIT
38			0008 90 BIT
39			0004 91 BIT
40			0002 92 BIT
41			0001 93 BIT
42			0008 95 TAR
43			0004 96 OP2
44			0002 97 OP1
45			0000 98 PRV
46			0001 99 NPRV
47			0080 100 DSAE
48			101 ***

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01	CROSS-REFERENCE			PAGE 262	V09/11/81	12/05/81	12:00
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
03	TCBARS	C	001	0018	2545		
04	TCBXR1	C	001	0019	2546	2547	
05	TCBXR2	C	001	0018	2547	2548	
06	TCBATTRM	C	001	0010	2634		
07	TCBAEOEO	C	001	0002	2649		
08	TCBAFAIL	C	001	005F	2581		
09	TCBARQCT	C	001	0076	2661	2662	

01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
02	TCBIDCCP	C	001	00EB	2605	
03	TCBIDCIC	C	001	00EC	2606	
04	TCBIDCP	C	001	00FO	2610	
05	TCBIDGA	C	001	00FE	2624	
06	TCBIDGCE	C	001	00E8	2602	
07	TCBIDIBS	C	001	00FD	2622	
08	TCBIDIMS	C	001	00ED	2607	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
00060000		103 *		HETBL V-EQU		00080000	
		104	*****				
		105 *				*	
		106 *		HELP FORMAT TABLE EQUATES		*	
		107 *				*	
		108	*****				
		0000	110	HECONTRL EQU 0	CONTROL BYTE		
		0080	112	HEPRIME EQU X'80'	PRIME FORMAT ENTRY		
		0040	113	HESPLIT EQU X'40'	SPLIT FORMAT		
		0020	114	HENTEXEC EQU X'20'	FORMAT IS NOT EXECUTABLE		
		0010	115	HENOINPT EQU X'10'	NOT ALLOWED AS INPUT PARAMETER		
		0008	116	HENOCALL EQU X'08'	NON CALLABLE FORMAT		
		0004	117	HEROLL EQU X'04'	ROLL DOWN INTO SPLIT FORMAT OK		
		0001	119	HETYPE EQU HECONTRL+1	FORMAT TYPE BYTE		
		0080	121	HESHELP EQU X'80'	PRIVILEGED FORMAT		
		0010	123	HESLST#1 EQU X'10'	SUB LIST NUMBER 1		
		0020	124	HESLST#2 EQU X'20'	SUB LIST NUMBER 2		
		0030	125	HESLST#3 EQU X'30'	SUB LIST NUMBER 3		
		0040	126	HESLST#4 EQU X'40'	SUB LIST NUMBER 4		
		0050	127	HESLST#5 EQU X'50'	SUB LIST NUMBER 5		
		0060	128	HESLST#6 EQU X'60'	SUB LIST NUMBER 6		
		0070	129	HESLST#7 EQU X'70'	SUB LIST NUMBER 7		
		0001	131	HEPROC EQU X'01'	SSP PROCEDURES		
		0002	132	HECMD EQU X'02'	SSP COMMANDS		
		0003	133	HEOCL EQU X'03'	OCL STATEMENTS		
		0004	134	HEPCE EQU X'04'	PCE STATEMENTS		
		0005	135	HEUTIL EQU X'05'	UTILITY PROCEDURES		
		0006	136	HELANG EQU X'06'	LANGUAGE PROCEDURES		
		0007	137	HETP EQU X'07'	TP PROCEDURES		
		0008	138	HESVAID EQU X'08'	SERVICE AID PROCEDURES		
		0003	140	HEMNDMSK EQU HETYPE+2	MANDATORY FIELD MASK		
		0004	141	HESUBR@ EQU HEMNDMSK+1	SUBROUTINE TABLE DISPLACEMENT		
		0007	142	HECMPMSK EQU HESUBR@+3	COMPRESS MASK		
		0008	143	HETBLEN EQU HECMPMSK+1	LENGTH OF TABLE ENTRY		
		145	*****				
		146 *				*	
		147 *		THE FOLLOWING EQUATES ARE USED BY #CIPP (// PROMPT)		*	
		148 *				*	
		149	*****				
		0000	151	HEDFUDSP EQU 0	DISP OF 1ST DFU ENTRY IN #HET9		
		0028	152	HESDADSP EQU HEDFUDSP+5*HETBLEN	DISP OF 1ST SDA ENTRY IN #HET9		
		0038	153	HESUDSP EQU HESDADSP+2*HETBLEN	DISP OF 1ST SEU ENTRY IN #HET9		
		0040	154	HESRTDSP EQU HESUDSP+1*HETBLEN	DISP OF 1ST SORT ENTRY IN #HET9		
		0048	155	HESRXDSP EQU HESRTDSP+1*HETBLEN	DISP OF 1ST SRX ENTRY IN #HET9		
		0068	156	HEWSUDSP EQU HESRXDSP+4*HETBLEN	DISP OF 1ST WSU ENTRY IN #HET9		

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
TCBNRDY	C	001	00BE	2453
TCBNSCNT	C	001	0073	2656 2657
TCBNSWAP	C	001	0001	2440
TCBPRBCH	C	001	00C0	2524
TCBPRBEL	C	001	00F0	2512
TCBPRBLD	C	001	00F0	2505
TCBPRBSC	C	001	00F4	2497

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	00A0	157	HEASMDSP	EQU	HEWSUDSP+7*HETBLEN DISP OF 1ST ASM ENTRY IN #HET9
	00B8	158	HEBSCDSP	EQU	HEASMDSP+3*HETBLEN DISP OF 1ST BSC ENTRY IN #HET9
	00D0	159	HECBLDSP	EQU	HEBSCDSP+3*HETBLEN DISP OF 1ST CBL ENTRY IN #HET9
03	0000	161	HEFRDTP	EQU	0 DISP OF 1ST FRT ENTRY IN #HETA
04	0030	162	HEOLEDSP	EQU	HEFRDTP+6*HETBLEN DISP OF 1ST OLE ENTRY IN #HETA
	0038	163	HERPGDSP	EQU	HEOLEDSP+1*HETBLEN DISP OF 1ST RPG ENTRY IN #HETA
	0060	164	HESMFDSP	EQU	HERPGDSP+5*HETBLEN DISP OF 1ST SMF ENTRY IN #HETA
05		167	*** END OF EXPANSION **		

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0000 80
0001 15
0002 0000
0004 29
0005 555553
05
06
0008 80
0009 05
000A 8000
000C 00
000D 555555
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0010 80
0011 05
0012 8000
0014 00
0015 555553
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0018 80
0019 05
001A 9000
001C 00
001D 555555
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0020 80
0021 05
0022 8000
0024 00
0025 555555
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0028 80
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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TCBSNARQ	C	001	0002	2670	
TCBSOP	C	001	0008	2436	
TCBSPLRS	C	001	0040	2703	
TCBSPLSP	C	001	0010	2683	
TCBSPPOOL	C	001	002F	2567	2568 2569 2570
TCBSPUNK	C	001	0080	2680	
TCBSPWTR	C	001	0080	2702	

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SYMBOL	T	LEN	VALUE	DEFN
TPP#EOV	C	001	0000	3299
TRACE	C	001	00BF	8677
TRANSFER	C	001	0059	7635
TRANSFR2	C	001	005A	7645
TRANSFR3	C	001	0058	7655
TRANSFR4	C	001	005C	7666
TRANSFR5	C	001	005D	7676

01									
02			169 *	HETBL	V-DC,NAME-DFU,PRIME-Y,TYPE-5,SUBR-50,SBLST-1,		00100000		
			170 *		MASK-01010101010101010101		00110000		
03	0000 80	0000 172	DC	AL1(128+0+0+0+0)	CTRL CODE				
	0001 15	0001 173	DC	AL1(0+16+5)	FORMAT TYPE BYTE				
04	0002 0000	0003 174	DC	BL2'0000000000000000'	MANDATORY FIELD MASK				
	0004 29	0004 175	DC	AL1(41)	SUBROUTINE TABLE DISPLACEMENT				
	0005 555553	0007 176	DC	BL3'01010101010101010101'	960 SCREEN MASK				
05			178 ***	END OF EXPANSION **					
			179 *	HETBL	V-DC,NAME-ENTER,PRIME-Y,TYPE-5,MAND-1000000000,		00120000		
			180 *		MASK-01010101010101010101		00130000		
06	0008 80	0001 181	ENTER	EQU	1	TABLE ENTRY NUMBER			
	0009 05	0009 183	DC	AL1(0+0+5)	FORMAT TYPE BYTE				
07	000A 8000	0008 184	DC	BL2'1000000000000000'	MANDATORY FIELD MASK				
	000C 00	000C 185	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT				
	000D 555555	000F 186	DC	BL3'01010101010101010101'	960 SCREEN MASK				
08			188 ***	END OF EXPANSION **					
			189 *	HETBL	V-DC,NAME-INQUIRY,PRIME-Y,TYPE-5,MAND-1000000000,		00140000		
			190 *		MASK-01010101010101010101		00150000		
09		0002 191	INQUIRY	EQU	2	TABLE ENTRY NUMBER			
	0010 80	0010 192	DC	AL1(128+0+0+0+0)	CTRL CODE				
	0011 05	0011 193	DC	AL1(0+0+5)	FORMAT TYPE BYTE				
10	0012 8000	0013 194	DC	BL2'1000000000000000'	MANDATORY FIELD MASK				
	0014 00	0014 195	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT				
11	0015 555553	0017 196	DC	BL3'01010101010101010101'	960 SCREEN MASK				
12			198 ***	END OF EXPANSION **					
			199 *	HETBL	V-DC,NAME-LIST,PRIME-Y,TYPE-5,MAND-1001000000,		00160000		
			200 *		MASK-01010101010101010101		00170000		
13	0018 80	0003 201	LIST	EQU	3	TABLE ENTRY NUMBER			
	0019 05	0018 202	DC	AL1(128+0+0+0+0)	CTRL CODE				
	001A 9000	0019 203	DC	AL1(0+0+5)	FORMAT TYPE BYTE				
14	001C 00	001B 204	DC	BL2'1001000000000000'	MANDATORY FIELD MASK				
	001D 555555	001C 205	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT				
		001F 206	DC	BL3'01010101010101010101'	960 SCREEN MASK				
15			208 ***	END OF EXPANSION **					
			209 *	HETBL	V-DC,NAME-UPDATE,PRIME-Y,TYPE-5,MAND-1000000000,		00180000		
			210 *		MASK-01010101010101010101		00190000		
16	0020 80	0004 211	UPDATE	EQU	4	TABLE ENTRY NUMBER			
	0021 05	0020 212	DC	AL1(128+0+0+0+0)	CTRL CODE				
	0022 8000	0021 213	DC	AL1(0+0+5)	FORMAT TYPE BYTE				
17	0024 00	0023 214	DC	BL2'1000000000000000'	MANDATORY FIELD MASK				
	0025 555555	0024 215	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT				
		0027 216	DC	BL3'01010101010101010101'	960 SCREEN MASK				
18			218 ***	END OF EXPANSION **					
			219 *	HETBL	V-DC,NAME-SDA,PRIME-Y,TYPE-5,MAND-1000000000,		00200000		
			220 *		MASK-0101110101010101000011		00210000		
19		0005 221	SDA	EQU	5	TABLE ENTRY NUMBER			
20	0028 80	0028 222	DC	AL1(128+0+0+0+0)	CTRL CODE				

01									
02	0029 05								
	002A 8000								
03	002C 00								
	002D 505543								
04									
05	0030 80								
	0031 05								
06	0032 0000								
	0034 00								
	0035 50007F								
07									
08	0038 80								
	0039 05								
09	003A C000								
	003C 00								
	003D 5AAA0F								
10									
11									
12	0040 80								
	0041 05								
	0042 F000								
13	0044 00								
	0045 55550F								
14									
15	0048 80								
	0049 05								
	004A F000								
16	004C 00								
	004D 55550F								
17									
18	0050 00								
	0051 05								
19	0052 0000								
	0054 00								
20	0055 55503F								

01									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES			
03	TPP#EOV	C	001	0000	3299				
	TRACE	C	001	008F	8677				
	TRANSFER	C	001	0059	7635				
04	TRANSFER2	C	001	005A	7645				
	TRANSFER3	C	001	005B	7655				
	TRANSFER4	C	001	005C	7666				
	TRANSFER5	C	001	005D	7676				
05	TRANSFER6	C	001	005E	7686				

01									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES			
03	TUBASENT	C	001	0020	3132				
	TUBASGNB	C	001	0043	3115				
	TUBASGND	C	001	0004	2811				
04	TUBASGNL	C	001	0041	3114				
	TUBATTRA	C	001	0054	3200				
	TUBATTRB	C	001	0058	3214				
	TUBATTRC	C	001	0058	3222				
05	TUBATTRD	C	001	0035	3030				

\$HET9 \$HELP FORMAT TABLE FOR ##FH9		PAGE 6 V09/11/81 12/05/81 12:03	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0029 05 002A 8000	0029 223 002B 224	DC AL1(0+0+5) FORMAT TYPE BYTE DC BL2'1000000000000000' MANDATORY FIELD MASK
03	002C 00 002D 5D5543	002C 225 002F 226	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DC BL3'0101110101010101000011' 960 SCREEN MASK
228 *** END OF EXPANSION **			
04		229 * 230 *	HETBL V-DC,NAME-SDAH,PRIME-Y,TYPE-5, MASK-01011101000000001111111 00220000 00230000
05	0030 80 0031 05	0006 231 0030 232 0031 233	SDAH EQU 6 TABLE ENTRY NUMBER DC AL1(128+0+0+0+0) CTRL CODE DC AL1(0+0+5) FORMAT TYPE BYTE
06	0032 0000 0034 00 0035 5D007F	0033 234 0034 235 0037 236	DC BL2'0000000000000000' MANDATORY FIELD MASK DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DC BL3'0101110100000000111111' 960 SCREEN MASK
238 *** END OF EXPANSION **			
07		239 * 240 *	HETBL V-DC,NAME-SEU,PRIME-Y,TYPE-5,MAND-1100000000, MASK-010110101010101000001111 00240000 00250000
08	0038 80 0039 05	0007 241 0038 242 0039 243	SEU EQU 7 TABLE ENTRY NUMBER DC AL1(128+0+0+0+0) CTRL CODE DC AL1(0+0+5) FORMAT TYPE BYTE
09	003A C000 003C 00	0038 244 003C 245	DC BL2'1100000000000000' MANDATORY FIELD MASK DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
10	003D 5AAA0F	003F 246	DC BL3'010110101010101000001111' 960 SCREEN MASK
248 *** END OF EXPANSION **			
11		249 * 250 *	HETBL V-DC,NAME-SORT,PRIME-Y,TYPE-5,MAND-1111000000, MASK-010101010101010100001111 00260000 00270000
12	0040 80 0041 05 0042 F000	0008 251 0040 252 0041 253 0043 254	SORT EQU 8 TABLE ENTRY NUMBER DC AL1(128+0+0+0+0) CTRL CODE DC AL1(0+0+5) FORMAT TYPE BYTE DC BL2'1111000000000000' MANDATORY FIELD MASK
13	0044 00 0045 55550F	0044 255 0047 256	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DC BL3'0101010101010100001111' 960 SCREEN MASK
258 *** END OF EXPANSION **			
14		259 * 260 *	HETBL V-DC,NAME-SRTX,PRIME-Y,TYPE-5,MAND-1111000000, MASK-010101010101010100001111 00270200 00270400
15	0048 80 0049 05	0009 261 0048 262 0049 263	SRTX EQU 9 TABLE ENTRY NUMBER DC AL1(128+0+0+0+0) CTRL CODE DC AL1(0+0+5) FORMAT TYPE BYTE
16	004A F000 004C 00 004D 55550F	0048 264 004C 265 004F 266	DC BL2'1111000000000000' MANDATORY FIELD MASK DC AL1(*) SUBROUTINE TABLE DISPLACEMENT DC BL3'0101010101010100001111' 960 SCREEN MASK
268 *** END OF EXPANSION **			
17		269 * 270 *	HETBL V-DC,NAME-SRTXDROP,TYPE-5, MASK-010101010101000000111111 00270600 00270800
18	0050 00	000A 271 0050 272	SRTXDROP EQU 10 TABLE ENTRY NUMBER DC AL1(0+0+0+0+0) CTRL CODE
19	0051 05 0052 0000 0054 00	0051 273 0053 274 0054 275	DC AL1(0+0+5) FORMAT TYPE BYTE DC BL2'0000000000000000' MANDATORY FIELD MASK DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
20	0055 55503F	0057 276	DC BL3'010101010100000111111' 960 SCREEN MASK

CROSS-REFERENCE		PAGE 267 V09/11/81 12/05/81 12:00	
SYMBOL	T LEN	VALUE	DEFN REFERENCES
TUBASENT C 001	0020	3132	
TUBASGNA C 001	0043	3115	3117
TUBASGND C 001	0004	2811	
TUBASGNL C 001	0041	3114	3115
TUBATTRA C 001	0054	3200	3211
TUBATTRB C 001	0058	3214	3224 4488
TUBATTRC C 001	0058	3226	3237
TUBATTRD C 001	0025	2022	2042

\$HET9 \$HELP FORMAT TABLE	
ERR LOC	OBJECT CODE
04	0058 00 0059 05 005A 0000 005C 00 005D 5A807F
07	0060 00 0061 05 0062 0000 0064 00 0065 55503F
10	0068 80 0069 05 006A 8000 006C 00 006D 5AAAA9
14	0070 80 0071 05 0072 8000 0074 00 0075 555555
17	0078 80 0079 25 007A 0000 007C 29 007D 555553

SYMBOL	T LEN	VALUE	DEFN
TUBCMK3 C 001	0050	3177	
TUBCOMDN C 001	0024	3014	
TUBCOMPL C 001	0001	2804	
TUBCOUNT C 001	0009	2855	
TUBCPAID C 001	0026	3025	
TUBCTSAV C 001	003C	3109	
TUBDATA C 001	0007	2854	
TUBDEVC C 001	0002	2822	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
278 *** END OF EXPANSION **						
	279 *			HETBL V-DC, NAME-SRTXLOAD, TYPE-5,		00271000
	280 *			MASK-0101101010000000111111		00271200
	000B	281	SRTXLOAD	EQU 11	TABLE ENTRY NUMBER	
00220000	0058 00	0058	282	DC	AL1(0+0+0+0+0) CTRL CODE	
00230000	0059 05	0059	283	DC	AL1(0+0+5) FORMAT TYPE BYTE	
	005A 0000	005B	284	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	005C 00	005C	285	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	005D 5A807F	005F	286	DC	BL3'0101101010000000111111' 960 SCREEN MASK	
288 *** END OF EXPANSION **						
	289 *			HETBL V-DC, NAME-SRTXSAVE, TYPE-5,		00271400
	290 *			MASK-0101010101000000111111		00271600
	000C	291	SRTXSAVE	EQU 12	TABLE ENTRY NUMBER	
00240000	0060 00	0060	292	DC	AL1(0+0+0+0+0) CTRL CODE	
00250000	0061 05	0061	293	DC	AL1(0+0+5) FORMAT TYPE BYTE	
	0062 0000	0063	294	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	0064 00	0064	295	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	0065 55503F	0067	296	DC	BL3'0101010101000000111111' 960 SCREEN MASK	
298 *** END OF EXPANSION **						
	299 *			HETBL V-DC, NAME-EXTRACT, PRIME-Y, TYPE-5, MAND-1000000000,		00272000
	300 *			MASK-01011010101010101001		00274000
	000D	301	EXTRACT	EQU 13	TABLE ENTRY NUMBER	
00260000	0068 80	0068	302	DC	AL1(128+0+0+0+0) CTRL CODE	
00270000	0069 05	0069	303	DC	AL1(0+0+5) FORMAT TYPE BYTE	
	006A 8000	006B	304	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	006C 00	006C	305	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	006D 5AAAA9	006F	306	DC	BL3'01011010101010101001' 960 SCREEN MASK	
308 *** END OF EXPANSION **						
	309 *			HETBL V-DC, NAME-REBLD, PRIME-Y, TYPE-5, MAND-1000000000,		00276000
	310 *			MASK-01010101010101010101		00278000
	000E	311	REBLD	EQU 14	TABLE ENTRY NUMBER	
00270200	0070 80	0070	312	DC	AL1(128+0+0+0+0) CTRL CODE	
00270400	0071 05	0071	313	DC	AL1(0+0+5) FORMAT TYPE BYTE	
	0072 8000	0073	314	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	0074 00	0074	315	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
	0075 555555	0077	316	DC	BL3'01010101010101010101' 960 SCREEN MASK	
318 *** END OF EXPANSION **						
	319 *			HETBL V-DC, NAME-WSUP, PRIME-Y, TYPE-5, SUBR-50, SBLST-2,		00278600
	320 *			MASK-0101010101010101010011		00279200
	000F	321	WSUP	EQU 15	TABLE ENTRY NUMBER	
00270600	0078 80	0078	322	DC	AL1(128+0+0+0+0) CTRL CODE	
00270800	0079 25	0079	323	DC	AL1(0+32+5) FORMAT TYPE BYTE	
	007A 0000	007B	324	DC	BL2'0000000000000000' MANDATORY FIELD MASK	
	007C 29	007C	325	DC	AL1(41) SUBROUTINE TABLE DISPLACEMENT	
	007D 555553	007F	326	DC	BL3'0101010101010101010011' 960 SCREEN MASK	
328 *** END OF EXPANSION **						
	329 *			HETBL V-DC, NAME-WSU, PRIME-Y, TYPE-5, MAND-1000000000,		00280000
	330 *			MASK-0101101010101010101001		00290000

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
TUBCM3K3	C	001	0050	3177 3186
TUBCOMMON	C	001	0024	3014 3024 3246
TUBCOMPL	C	001	0001	2804 2816
TUBCOUNT	C	001	0009	2855 2857 2963
TUBCPAID	C	001	0026	3025 3026
TUBCTSAV	C	001	003C	3109 3110
TUBDATA	C	001	0007	2854 2855
TUBDEVIC	C	001	0003	2840
TUBDEVIC	C	001	0014	2872

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\$HET9 \$HELP FORMAT TABLE FOR ##FH9		PAGE 8 V09/11/81 12/05/81 12:03	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	0080 80	0010 331	WSU EQU 16 TABLE ENTRY NUMBER
		0080 332	DC AL1(128+0+0+0+0) CTRL CODE
0271000		0081 333	DC AL1(0+0+5) FORMAT TYPE BYTE
0271200		0082 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK
		0084 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		0085 5AAAA9	DC BL3'0101101010101010101001' 960 SCREEN MASK
04			338 *** END OF EXPANSION **
		339 *	HETBL V-DC, NAME=WSUTXCR, PRIME-Y, TYPE-5, MAND-100000000, 00291000
		340 *	MASK-010101010101010101010101 00292000
		0011 341	WSUTXCR EQU 17 TABLE ENTRY NUMBER
06	0088 80	0088 342	DC AL1(128+0+0+0+0) CTRL CODE
0271400		0089 343	DC AL1(0+0+5) FORMAT TYPE BYTE
0271600		008A 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK
		008C 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		008D 555555	DC BL3'0101010101010101010101' 960 SCREEN MASK
07			348 *** END OF EXPANSION **
		349 *	HETBL V-DC, NAME=WSUTXEX, PRIME-Y, TYPE-5, MAND-100000000, 00293000
		350 *	MASK-010101010101010101010101 00296000
		0012 351	WSUTXEX EQU 18 TABLE ENTRY NUMBER
09	0090 80	0090 352	DC AL1(128+0+0+0+0) CTRL CODE
0272000		0091 353	DC AL1(0+0+5) FORMAT TYPE BYTE
0274000		0092 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK
		0094 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		0095 555555	DC BL3'0101010101010101010101' 960 SCREEN MASK
10			358 *** END OF EXPANSION **
		359 *	HETBL V-DC, NAME=WSUTXRV, PRIME-Y, TYPE-5, MAND-100000000, 00297000
		360 *	MASK-01011010101010000001111 00298000
		0013 361	WSUTXRV EQU 19 TABLE ENTRY NUMBER
12	0098 80	0098 362	DC AL1(128+0+0+0+0) CTRL CODE
0276000		0099 363	DC AL1(0+0+5) FORMAT TYPE BYTE
0278000		009A 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK
		009C 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		009D 5AD40F	DC BL3'01011010101010000001111' 960 SCREEN MASK
13			368 *** END OF EXPANSION **
		369 *	HETBL V-DC, NAME=ASM, PRIME-Y, TYPE-6, MAND-100000000, 00300000
		370 *	MASK-010110101010101010101010 00310000
		0014 371	ASM EQU 20 TABLE ENTRY NUMBER
16	00A0 80	00A0 372	DC AL1(128+0+0+0+0) CTRL CODE
0278600		00A1 373	DC AL1(0+0+6) FORMAT TYPE BYTE
0279200		00A2 8000	DC BL2'1000000000000000' MANDATORY FIELD MASK
		00A4 00	DC AL1(*) SUBROUTINE TABLE DISPLACEMENT
		00A5 5AAAAA	DC BL3'010110101010101010101010' 960 SCREEN MASK
17			378 *** END OF EXPANSION **
		379 *	HETBL V-DC, NAME=BASP, PRIME-Y, TYPE-6, SBLST-4, SUBR-50, 00311000
		380 *	MASK-010101010101010101010110 00312000
		0015 381	BASP EQU 21 TABLE ENTRY NUMBER
18	00A8 80	00A8 382	DC AL1(128+0+0+0+0) CTRL CODE
00280000		00A9 383	DC AL1(0+6+6) FORMAT TYPE BYTE
00290000		00AA 0000	DC BL2'0000000000000000' MANDATORY FIELD MASK
19			384 *** END OF EXPANSION **
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J20

CROSS-REFERENCE		PAGE 269 V09/11/81 12/05/81 12:00	
SYMBOL	T LEN VALUE	DEFN	REFERENCES
TUBMCD	C 001 0020	3055	
TUBMCN	C 001 0080	3034	
TUBMCNSL	C 001 0040	3053	
TUBMCDUT	C 001 0004	3208	
TUBMDDTA	C 001 0010	3056	
TUBMDDTA	C 001 0010	3133	
TUBMDME	C 001 0070	3057	
TUBMMDTA	C 001 0008	3060	
TUBMMDTA	C 001 0008	3166	

\$HET9 \$HELP FORMAT T	
ERR LOC	OBJECT CODE
01	
02	00AC 29
	00AD 555556
03	
04	0080 80
	0081 06
	0082 0000
	0084 00
	0085 55503F
07	
08	0088 80
	0089 06
	00BA 8000
	00BC 00
	00BD 55550F
09	
10	
11	00C0 80
	00C1 06
	00C2 8000
	00C4 00
	00C5 55550F
12	
13	
14	00C8 80
	00C9 06
	00CA 8000
	00CC 00
	00CD 555AA3
16	
17	
18	00D0 80
	00D1 16
	00D2 0000
	00D4 29
	00D5 555553
19	
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SYMBOL	T LEN VALUE
TUBRMDM	C 001 0001
TUBRDYIP	C 001 0001
TUBRDYDP	C 001 0001
TUBREADY	C 001 0008
TUBREL	C 001 0004
TUBREXEC	C 001 0080
TUBRFCS	C 001 004C
TUBRFDSP	C 001 004D
TUBRFV	C 001 004E

8	V09/11/81	12/05/81	12:03
01			
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04			
05	00291000		
	00292000		
06			
07			
08	00293000		
	00296000		
09			
10			
11	00297000		
	00298000		
12			
13			
14	00300000		
	00310000		
15			
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18	00311000		
	00312000		
19			
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\$HET9 \$HELP FORMAT TABLE FOR ##FH9		PAGE 9		V09/11/81	12/05/81	12:03
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
00AC	29	00AC	385	DC	AL1(41)	SUBROUTINE TABLE DISPLACEMENT
00AD	555556	00AF	386	DC	BL3'01010101010101010110'	960 SCREEN MASK
388 *** END OF EXPANSION **						
						00313000
						00314000
00B0	80	0016	391	BASIC	EQU 22	TABLE ENTRY NUMBER
00B1	06	00B0	392	DC	AL1(128+0+0+0+0)	CTRL CODE
00B2	0000	00B1	393	DC	AL1(0+0+6)	FORMAT TYPE BYTE
00B4	00	00B3	394	DC	BL2'0000000000000000'	MANDATORY FIELD MASK
00B5	55503F	00B4	395	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		00B7	396	DC	BL3'0101010101010000011111'	960 SCREEN MASK
398 *** END OF EXPANSION **						
						00314300
						00314600
00B8	80	0017	401	BASICP	EQU 23	TABLE ENTRY NUMBER
00B9	06	00B8	402	DC	AL1(128+0+0+0+0)	CTRL CODE
00BA	8000	00B9	403	DC	AL1(0+0+6)	FORMAT TYPE BYTE
00BC	00	00BB	404	DC	BL2'1000000000000000'	MANDATORY FIELD MASK
00BD	55550F	00BC	405	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		00BF	406	DC	BL3'010101010101010100001111'	960 SCREEN MASK
408 *** END OF EXPANSION **						
						00315000
						00316000
00C0	80	0018	411	BASICR	EQU 24	TABLE ENTRY NUMBER
00C1	06	00C0	412	DC	AL1(128+0+0+0+0)	CTRL CODE
00C2	8000	00C1	413	DC	AL1(0+0+6)	FORMAT TYPE BYTE
00C4	00	00C3	414	DC	BL2'1000000000000000'	MANDATORY FIELD MASK
00C5	55550F	00C4	415	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		00C7	416	DC	BL3'0101010101010101010001111'	960 SCREEN MASK
418 *** END OF EXPANSION **						
						00317000
						00318000
00C8	80	0019	421	BASICS	EQU 25	TABLE ENTRY NUMBER
00C9	06	00C8	422	DC	AL1(128+0+0+0+0)	CTRL CODE
00CA	8000	00C9	423	DC	AL1(0+0+6)	FORMAT TYPE BYTE
00CC	00	00CB	424	DC	BL2'1000000000000000'	MANDATORY FIELD MASK
00CD	555AA3	00CC	425	DC	AL1(*)	SUBROUTINE TABLE DISPLACEMENT
		00CF	426	DC	BL3'01010101010101010100011'	960 SCREEN MASK
428 *** END OF EXPANSION **						
						00320000
						00330000
00D0	80	001A	431	COBOLP	EQU 26	TABLE ENTRY NUMBER
00D1	16	00D0	432	DC	AL1(128+0+0+0+0)	CTRL CODE
00D2	0000	00D1	433	DC	AL1(0+16+6)	FORMAT TYPE BYTE
00D4	29	00D3	434	DC	BL2'0000000000000000'	MANDATORY FIELD MASK
00D5	555553	00D4	435	DC	AL1(41)	SUBROUTINE TABLE DISPLACEMENT
		00D7	436	DC	BL3'01010101010101010100111'	960 SCREEN MASK
438 *** END OF EXPANSION **						

\$HET9 \$HELP FORMAT TA		PAGE 9		V09/11/81	12/05/81	12:03
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
00D8	80					
00D9	06					
00DA	8000					
00DC	00					
00DD	555553					
00E0	80					
00E1	06					
00E2	8000					
00E4	00					
00E5	55503F					
00E8	80					
00E9	06					
00EA	8000					
00EC	00					
00ED	555555					
00F0	80					
00F1	06					
00F2	8000					
00F4	00					
00F5	55503F					
00F8	80					
00F9	06					
00FA	8000					
00FC	00					
00FD	55503F					
LENGTH OF MODULE IS						

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269	V09/11/81	12/05/81	12:00
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CROSS-REFERENCE		PAGE 270		V09/11/81	12/05/81	12:00
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
TUBRDMOD	C	001	0001	3210		
TUBRDYIP	C	001	0001	3126		
TUBRDYPD	C	001	0001	3151		
TUBREADY	C	001	0008	3123		
TUBREL	C	001	0004	3094		
TUBREXEC	C	001	0080	2835		
TUBRFCSS	C	001	004C	3156	3157	
TUBRFDSP	C	001	004D	3157	3159	
TUBRFN	C	001	004B	3155	3157	

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GE 9 V09/11/81 12/05/81 12:03

00313000

00314000

00314300

00314600

00315000

00316000

00317000

00318000

00320000

00330000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				\$HET9 \$HELP FORMAT TABLE FOR ##FH9	PAGE 10 V09/11/81 12/05/81 12:03
02		439 *		HETBL V-DC,NAME-COBOL,PRIME-Y,TYPE-6,MAND-1000000000,	00340000
		440 *		MASK-01010101010101010101010101010101	00350000
03	00D8 80	001B 441	COBOL EQU 27	TABLE ENTRY NUMBER	
	00D9 06	00D8 442	DC	AL1(128+0+0+0+0+0) CTRL CODE	
	00DA 8000	00D9 443	DC	AL1(0+0+6) FORMAT TYPE BYTE	
04	00DC 00	00DB 444	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	00DD 555553	00DC 445	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		00DF 446	DC	BL3'01010101010101010101010101010101' 960 SCREEN MASK	
05		448 ***		END OF EXPANSION **	
		449 *		HETBL V-DC,NAME-COBOLG,PRIME-Y,TYPE-6,MAND-1000000000,	00360000
		450 *		MASK-010101010101000000111111	00370000
06	00E0 80	001C 451	COBOLG EQU 28	TABLE ENTRY NUMBER	
	00E1 06	00E0 452	DC	AL1(128+0+0+0+0+0) CTRL CODE	
	00E2 8000	00E1 453	DC	AL1(0+0+6) FORMAT TYPE BYTE	
07	00E4 00	00E3 454	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	00E5 55503F	00E4 455	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		00E7 456	DC	BL3'010101010101000000111111' 960 SCREEN MASK	
08		458 ***		END OF EXPANSION **	
		459 *		HETBL V-DC,NAME-COBOLCG,PRIME-Y,TYPE-6,MAND-1000000000,	00380000
		460 *		MASK-01010101010101010101010101010101	00390000
09	00E8 80	001D 461	COBOLCG EQU 29	TABLE ENTRY NUMBER	
	00E9 06	00E8 462	DC	AL1(128+0+0+0+0+0) CTRL CODE	
	00EA 8000	00E9 463	DC	AL1(0+0+6) FORMAT TYPE BYTE	
10	00EC 00	00E8 464	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	00ED 555555	00EC 465	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		00EF 466	DC	BL3'01010101010101010101010101010101' 960 SCREEN MASK	
11		468 ***		END OF EXPANSION **	
		469 *		HETBL V-DC,NAME-COBOLPS,PRIME-Y,TYPE-6,MAND-1000000000,	00400000
		470 *		MASK-010101010101000000111111	00410000
12	00F0 80	001E 471	COBOLPS EQU 30	TABLE ENTRY NUMBER	
	00F1 06	00F0 472	DC	AL1(128+0+0+0+0+0) CTRL CODE	
	00F2 8000	00F1 473	DC	AL1(0+0+6) FORMAT TYPE BYTE	
13	00F4 00	00F3 474	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	00F5 55503F	00F4 475	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		00F7 476	DC	BL3'010101010101000000111111' 960 SCREEN MASK	
14		478 ***		END OF EXPANSION **	
		479 *		HETBL V-DC,NAME-COBMOVE,PRIME-Y,TYPE-6,MAND-1000000000,	00413000
		480 *		MASK-010101010101000000111111	00416000
15	00F8 80	001F 481	COBMOVE EQU 31	TABLE ENTRY NUMBER	
	00F9 06	00F8 482	DC	AL1(128+0+0+0+0+0) CTRL CODE	
	00FA 8000	00F9 483	DC	AL1(0+0+6) FORMAT TYPE BYTE	
16	00FC 00	00FB 484	DC	BL2'1000000000000000' MANDATORY FIELD MASK	
	00FD 55503F	00FC 485	DC	AL1(*) SUBROUTINE TABLE DISPLACEMENT	
		00FF 486	DC	BL3'010101010101000000111111' 960 SCREEN MASK	
17		488 ***		END OF EXPANSION **	
18		FFFF 490	END		00680000
19	LENGTH OF MODULE IS	256			

01

02 SYMBOL T LEN VALUE

\$HET9 A 001 0000

C 001 0000

C 001 0000

a C 001 0002

ALLBIT C 001 00FF

ARR C 001 0008

ASM C 001 0014

BASIC C 001 0016

BASICP C 001 0017

BASICR C 001 0018

BASICS C 001 0019

BASP C 001 0015

BIT0 C 001 0080

BIT1 C 001 0040

BIT2 C 001 0020

BIT3 C 001 0010

BIT4 C 001 0008

BIT5 C 001 0004

BIT6 C 001 0002

BIT7 C 001 0001

BLANK C 001 0040

COBMOVE C 001 001F

COBOL C 001 0018

COBOLCG C 001 001D

COBOLG C 001 001C

COBOLP C 001 001A

COBOLPS C 001 001E

DFU C 001 0000

DSABL C 001 0080

DTF C 001 0002

EIGHT C 001 0008

ENTER C 001 0001

EXTRACT C 001 0000

FALSE C 001 0090

FIVE C 001 0005

FOUR C 001 0004

HESHELP C 001 0080

HEASPDSP C 001 00A0

HEBSCDSP C 001 0088

HECBLDSP C 001 00D0

HECMD C 001 0002

HECMPYSK C 001 0007

HECONTRL C 001 0000

HEFDUOSP C 001 0000

HEFRDOSP C 001 0000

HELANG C 001 0006

HEPNMMSK C 001 0003

HENOCALL C 001 0008

HENDINPT C 001 0010

HENTEXEC C 001 0020

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CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUBWSTD	C	001	0020	3009	3010 4566
TUBWSWA	C	001	0022	3010	3011 4641 4719
TUBOILGJ	C	001	0080	3228	
TUBORPFL	C	001	0020	3230	
TUBOUNGJ	C	001	0040	3229	
TUB1OPT	C	001	0002	3235	
TUB21G	C	001	0008	3232	
TUB2RF	C	001	0010	3231	
TUB21K	C	001	0010	3233	

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02 SYMBOL T LEN VALUE

TWAXMAP C 001 0002

TWAXMAPL C 001 0003

TWAXN C 001 0007

TWAXNEXT C 001 0004

TWAXSS C 001 0006

TWD C 001 0002

UNCOND C 001 0007

VAR C 001 0007

00340000
00350000

00360000
00370000

00380000
00390000

00400000
00410000

00413000
00416000

00680000

01		CROSS-REFERENCE											
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES							
03	\$HET9	A	001	0000	0041								
	#	C	001	0000	0061	0185 0195 0205 0215 0225 0235 0245 0255 0265 0275 0285 0295							
						0305 0315 0335 0345 0355 0365 0375 0395 0405 0415 0425 0445							
						0455 0465 0475 0485							
04	##	C	001	0000	0062								
	a	C	001	0002	0063								
05	ALLBIT	C	001	00FF	0085								
	ARR	C	001	0008	0056								
	ASM	C	001	0014	0371								
06	BASIC	C	001	0016	0391								
	BASICP	C	001	0017	0401								
	BASICR	C	001	0018	0411								
	BASICS	C	001	0019	0421								
07	BASP	C	001	0015	0381								
	BITO	C	001	0080	0086								
08	BIT1	C	001	0040	0087								
	BIT2	C	001	0020	0088								
	BIT3	C	001	0010	0089								
	BIT4	C	001	0008	0090								
09	BIT5	C	001	0004	0091								
	BIT6	C	001	0002	0092								
	BIT7	C	001	0001	0093								
10	BLANK	C	001	0040	0065								
	COBMOVE	C	001	001F	0481								
	COBOL	C	001	001B	0441								
11	COBOLCG	C	001	001D	0461								
	COBOLG	C	001	001C	0451								
	COBOLP	C	001	001A	0431								
12	COBOLPS	C	001	001E	0471								
	DFU	C	001	0000	0171								
13	DSABL	C	001	0080	0100								
	DTF	C	001	0002	0059								
	EIGHT	C	001	0008	0074								
14	ENTER	C	001	0001	0181								
	EXTRACT	C	001	000D	0301								
	FALSE	C	001	0090	0078								
15	FIVE	C	001	0005	0071								
	FOUR	C	001	0004	0070								
	HE\$HELP	C	001	0080	0121								
16	HEASMDSP	C	001	00A0	0157 0158								
	HEBSCDSP	C	001	0088	0158 0159								
	HECBLDSP	C	001	00D0	0159								
	HECMD	C	001	0002	0132								
17	HECMPPMSK	C	001	0007	0142 0143								
	HECONTRL	C	001	0000	0110 0119								
	HEFDUSDSP	C	001	0000	0151 0152								
18	HEFRDUSDSP	C	001	0000	0161 0162								
	HELANG	C	001	0006	0136								
	HEMNDMSK	C	001	0003	0140 0141								
19	HENDCALL	C	001	0008	0116								
	HENDINPT	C	001	0010	0115								
20	HENTEXEC	C	001	0020	0114								

01		CROSS-REFERENCE											
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES							
03	TWAXMAP	C	001	0002	3347 3349								
	TWAXMAPL	C	001	0003	3348								
	TWAXN	C	001	0007	3351 3352								
04	TWAXNEXT	C	001	0004	3349 3350								
	TWAXSS	C	001	0006	3350 3351								
	TWD	C	001	0002	0932 4067 4312 4989 5016 5150 5225 5310 5345 5386 5444 5470 5590								
						5835 5937							
05	UNCOND	C	001	0087	0943								

		CROSS-REFERENCE																
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES												
03	HEDCL	C	001	0003	0133													
	HEOLEDSP	C	001	0030	0162	0163												
	HEPCE	C	001	0004	0134													
04	HEPRIME	C	001	0080	0112													
	HEPROC	C	001	0001	0131													
	HEROLL	C	001	0004	0117													
05	HERPGDSP	C	001	0038	0163	0164												
	HESDADSP	C	001	0028	0152	0153												
	HESUDSP	C	001	0038	0153	0154												
06	HESLST#1	C	001	0010	0123													
	HESLST#2	C	001	0020	0124													
	HESLST#3	C	001	0030	0125													
	HESLST#4	C	001	0040	0126													
07	HESLST#5	C	001	0050	0127													
	HESLST#6	C	001	0060	0128													
	HESLST#7	C	001	0070	0129													
08	HESMFDSP	C	001	0060	0164													
	HESPLIT	C	001	0040	0113													
	HESRTDSP	C	001	0040	0154	0155												
09	HESRXDSP	C	001	0048	0155	0156												
	HESUBR0	C	001	0004	0141	0142												
	HESVAID	C	001	0008	0138													
10	HETBLEN	C	001	0008	0143	0152	0153	0154	0155	0156	0157	0158	0159	0162	0163	0164		
	HETP	C	001	0007	0137													
	HETYPE	C	001	0001	0119	0140												
11	HEUTIL	C	001	0005	0135													
	HEUSUDSP	C	001	0068	0156	0157												
	IAR	C	001	0010	0057													
12	IARX	C	001	0008	0095													
	INQUIRY	C	001	0002	0191													
	IOB	C	001	0001	0058													
13	LIST	C	001	0003	0201													
	NINE	C	001	0009	0075													
	NOBIT	C	001	0000	0082													
14	NOOP	C	001	0080	0081													
	NPRV	C	001	0001	0099													
	NUMBITS	C	001	000F	0083													
15	ONE	C	001	0001	0067													
	OP1	C	001	0002	0097													
	OP2	C	001	0004	0096													
16	PRV	C	001	0000	0098													
	PSR	C	001	0004	0055													
	REBLD	C	001	000E	0311													
17	SDA	C	001	0005	0221													
	SDAH	C	001	0006	0231													
	SEU	C	001	0007	0241													
18	SEVEN	C	001	0007	0073													
	SIX	C	001	0006	0072													
	SORT	C	001	0008	0251													
19	SRTX	C	001	0009	0261													
	SRTXDROP	C	001	000A	0271													
20	SRTXLOAD	C	001	000B	0281													

		CROSS-REFERENCE																
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES												
03						3967	3967	3969	3972	3974	3974	3976	3976	3978	3981	3981	3984*	
						4013	4126*	4128	4129	4167*	4170	4191	4194	4197	4200	4203*	4205	
						4211	4227	4245	4245*	4252	4319*	4331	4334	4344	4344*	4350*	4381	
04						4384	4396	4398	4400	4400*	4404	4431*	4435	4450	4453	4453*	4456	
						4456*	4458	4486*	4488	4491*	4492	4494*	4497	4502	4511*	4512	4516	
						4521*	4522	4526	4527	4541	4558*	4561	4564*	4566	4568	4569	4634	
						4635	4637	4637	4641	4642	4643	4670*	4671	4672	4707	4709	4712	
05						4713	4715	4715	4719	4720	4722	4756*	4758	4759	4759	4762	4764	

