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UUU      UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPP  SSSSSSSSSSS  YYY      YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPP  SSSSSSSSSSS  YYY      YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPP  SSSSSSSSSSS  YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUU      UUU  EEE              TTT                PPP          PPP  SSS          YYY      YYY
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE  TTT                PPP          PPP          SSSSSSSSSSS  YYY
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE  TTT                PPP          PPP          SSSSSSSSSSS  YYY
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE  TTT                PPP          PPP          SSSSSSSSSSS  YYY

```

```

SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFFFF  11  5555555555
SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFFFF  11  5555555555
SS        AA      AA      TT        TT        FF        1111  55
SS        AA      AA      TT        TT        FF        1111  55
SS        AA      AA      TT        TT        FF        11   555555
SS        AA      AA      TT        TT        FF        11   555555
SSSSSSS   AA      AA      TT        TT        FFFFFFFF  11   55
SSSSSSS   AA      AA      TT        TT        FFFFFFFF  11   55
SS        AAAAAAAAAA  TT        TT        FF        11   55
SS        AAAAAAAAAA  TT        TT        FF        11   55
SS        AA      AA      TT        TT        FF        11   55
SS        AA      AA      TT        TT        FF        11   55
SS        AA      AA      TT        TT        FF        11   55
SSSSSSSS  AA      AA      TT        TT        FF        111111  555555
SSSSSSSS  AA      AA      TT        TT        FF        111111  555555

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LL        IIIIII  SSSSSSSS
LL        IIIIII  SSSSSSSS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SSSSSS
LL        II      SSSSSS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```

(1)	52	DECLARATIONS
(1)	186	SATSSF15
(1)	273	SFDCH20
(1)	295	SFDCH21
(1)	317	SFDCH22
(1)	344	SFCEH10
(1)	371	SFADS10
(1)	393	SFADS11
(1)	415	SFADS12
(1)	478	EXECUTE & CLEANUP
(1)	487	TC CONTROL
(1)	568	SUBROUTINES

```
0000 1 .TITLE SATSSF15 - SATS SYSTEM SERVICE TESTS (FAILING S.C.)
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *****
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 :++
0000 30 : FACILITY: SATS SYSTEM SERVICE TESTS
0000 31
0000 32 : ABSTRACT: THE SATSSF15 MODULE TESTS THE EXECUTION OF CERTAIN
0000 33 : VMS SYSTEM SERVICES, INVOKED IN SUCH A WAY AS TO EXPECT FAILING
0000 34 : STATUS CODES. THE SYSTEM SERVICES TESTED AND THE STATUS CODES
0000 35 : EXPECTED ARE SUMMARIZED AS ARGUMENTS TO THE TESTSERV MACROS
0000 36 : WHICH APPEAR NEAR THE END OF THIS LISTING. SUCCESSFUL STATUS
0000 37 : CODES ARE TESTED IN OTHER MODULES.
0000 38
0000 39
0000 40 : ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 41 : DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 42
0000 43 : AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: MMM, 1978
0000 44 : PAUL D. FAY (DISPSERV & TESTSERV MACROS)
0000 45
0000 46 : MODIFIED BY:
0000 47
0000 48 : : VERSION
0000 49 : 01 -
0000 50 : --
```

```
0000 52 .SBTTL DECLARATIONS
0000 53 :
0000 54 : INCLUDE FILES:
0000 55 :
0000 56 $PHDDEF ; PROCESS HEADER OFFSET SYMBOLS
0000 57 $PCBDEF ; PROCESS CONTROL BLOCK OFFSET SYMBS
0000 58 $STSDEF ; STATUS MESSAGE SYMBOLS
0000 59 $PRVDEF ; SYMBOL DEFS FOR PRIVILEGES
0000 60 $UETPDEF ; UETP MSG CODE DEFINITIONS
0000 61 $SHR_MESSAGES UETP,116,<<TEXT,INFO>>
0000 62 ; DEFINE UETP$ TEXT
0000 63 ; GET RID OF MACRO DEFINITIONS
0000 64 $PSLDEF ; ACCESS MODE SYMBOLS
0000 65 :
0000 66 : MACROS:
0000 67 :
0000 68 :
0000 69 : EQUATED SYMBOLS:
0000 70 :
00000000 0000 71 WARNING = 0 ; WARNING SEVERITY VALUE FOR MSGS
00000001 0000 72 SUCCESS = 1 ; SUCCESS SEVERITY VALUE FOR MSGS
00000002 0000 73 ERROR = 2 ; ERROR SEVERITY VALUE FOR MSGS
00000003 0000 74 INFO = 3 ; INFORMATIONAL SEV VALUE FOR MSGS
00000004 0000 75 SEVERE = 4 ; SEVERE (FATAL) SEV VALUE FOR MSGS
00000000 0000 76 TCG_NO = 0 ; INITIALIZE TEST CASE GROUP NUMBER
00000000 0000 77 GRP_TOTAL = 0 ; INITIALIZE TEST CASE GROUP TOTAL
00007FFF 0000 78 R0_THRU_SP = ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP,SP>
00000001 0000 79 PRVHND_DCH20 = 1 ; PRVHND ARG FOR DCLCMH (LOCATION 1)
0000 80 :
0000 81 : OWN STORAGE:
0000 82 :
```

```

00000000 84 .PSECT RODATA, RD, NOWRT, NOEXE, LONG
BFFC 0000 85 REG_COMP_MASK: .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
0002 86 : REG COMPARE MASK (HIGH-ORDER ...
0002 87 : ... BIT MUST BE ON
0002 88 ERR_MSG_FAOCTL: STRING I, <!//!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
0002 89 <: BEFORE SERVICE CALL: !8XL AFTER SERVICE CALL: !8XL>
006E 90 TEST_MOD_NAME: STRING C, <SATSSF15> : TEST MODULE NAME
0077 91 TEST_MOD_BEG: STRING C, <begun> : DISPOSITION FIELD OF TEST MOD MSG
007D 92 TEST_MOD_SUCC: STRING C, <successful> : DISPOSITION FIELD OF TEST MOD MSG
0088 93 TEST_MOD_FAIL: STRING C, <failed> : DISPOSITION FIELD OF TEST MOD MSG
008F 94 TEST_MOD_NAME_D: STRING I, <SATSSF15> : TEST MODULE NAME DESCRIPTOR
009F 95 TTNAME: STRING I, <TT> : TERMINAL LOGICAL NAME
00000000'00000000' 00A9 96 INADR: .LONG NOACCESS, NOACCESS : PAGE ADDRESS OF NOACCESS PSECT
00000000' 00B1 97 PROT: .LONG PRTSC_NA : PROTECTION CODE FOR NOACCESS PSECT
FFFFFFFF FFFFFFFF 00B5 98 ONES: .LONG -1, -1 : A QUADWORD OF 1-BITS
00BD 99 ADDRES_DCH: : ADDRES ARGUMENT FOR DCLCMH
0000 00BD 100 .WORD 0 : ENTRY MASK FOR DCLCMH SERVICE
02 00BF 101 REI : RETURN INSTRUCTION FOR DCLCMH SERV
000000C4 00C0 102 PRVHND_DCH21: .BLKL 1 : PRVHND ARGUMENT FOR DCLCMH
00000000 00C4 103 TYPE_DCH: .LONG 0 : TYPE ARGUMENT FOR DCLCMH SERVICE
00000003 00C8 104 ACMODE_ADS: .LONG PSL$C_USER : ACMODE ARGUMENT FOR ADJSTK
00000002 00CC 105 ACMODE_ADS10: .LONG PSL$C_SUPER : ACMODE ARGUMENT FOR ADJSTK
00000001 00D0 106 ACMODE_ADS11: .LONG PSL$C_EXEC : ACMODE ARGUMENT FOR ADJSTK
00000000 00D4 107 ACMODE_ADS12: .LONG PSL$C_KERNEL : ACMODE ARGUMENT FOR ADJSTK
00000000 00D8 108 ADJUST_ADS: .LONG 0 : ADJUST ARGUMENT FOR ADJSTK

```

00000000	110	.PSECT	WADATA, RD, WRT, NOEXE		
00000004	0000	111	TPID:	.BLKL	1
00000008	0004	112	CURRENT TC:	.BLKL	1
00000044	0008	113	REG_SAVE AREA:	.BLKL	15
007480D9	0044	114	MOD_MSG CODE:	.LONG	UETPS_SATSMS
0000004C	0048	115	CLOB REG NO:	.BLKL	1
00000050	004C	116	REG_BEFORE_SS:	.BLKL	1
	0050	117			
00000054	0050	118	REG_AFTER_SS:	.BLKL	1
	0054	119			
	0054	120	\$\$TSTN\$\$:	STRING	C, < SF >
0000006E'	005C	121	TMN_ADDR:	.ADDRESS	TEST_MOD_NAME
00000077'	0060	122	TMD_ADDR:	.ADDRESS	TEST_MOD_BEG
00000068	0064	123	TS EP:	.BLKL	1
00000070	0068	124	RETADR:	.BLKL	2
00000071	0070	125	PRVPRT:	.BLKB	1
00000079	0071	126	PRIVMASK:	.BLKQ	1
0000007D	0079	127	CHM CONT:	.BLKL	1
00000091	007D	128	REGS:	.BLKL	5
00000095	0091	129	PRVHND_DCH:	.BLKL	1
	0095	130	DESBK_CEH:		
	0095	131	DESBK_CEH10:		
00000099	0095	132		.BLKL	1
000000A9'	0099	133		.ADDRESS	20\$
00000001	009D	134		.LONG	1
000000A5'	00A1	135		.ADDRESS	10\$
000000A9	00A5	136	10\$:	.BLKL	1
0000	00A9	137	20\$:	.WORD	0
04	00AB	138		RET	
00000000	00AC	139	NEWADR_ADS:	.LONG	0

: PROCESS ID FOR THIS PROCESS
 : PTR TO CURRENT TEST CASE
 : SAVE AREA FOR ALL REGS (SANS PC)
 : TEST MODULE MSG CODE FOR PUTMSG
 : CLOBBERED REG NO (FOR FAO ERR MSG)
 : REG CONTENTS BEFORE S.S.
 : ... (FOR FAO ERROR MSG)
 : REG CONTENTS AFTER S.S.
 : ... (FOR FAO ERROR MSG)
 : ASCII PORTION OF TEST CASE NAME
 : ADDR OF TEST MOD NAME FOR FAO
 : ADDR OF T.M. DISP FIELD FOR FAO
 : ENTRY PNT FOR CURR TESTSERV MACRO
 : RETURN LONGWORDS FOR SETPRT
 : PROT RETURN BYTE FOR SETPRT
 : ADDR OF PRIVILEGE MASK (IN PHD)
 : CHANGE MODE CONTINUE ADDRESS
 : AREA FOR COND INDEX REGS (R2-R6)
 : PRVHND ARGUMENT FOR DCLCMH SERVICE
 : DESBK ARGUMENT FOR CANEXH
 : DESBK ARGUMENT FOR CANEXH
 : EXIT CONTROL BLOCK (LINK PTR)
 : ADDRESS OF ROUTINE ENTRY MASK
 : ARGUMENT COUNT
 : ADDR OF REASON CODE FIELD
 : REASON CODE FIELD
 : EXIT HANDLER ENTRY MASK
 : EXIT HANDLER RETURN INSTR
 : NEWADR ARGUMENT FOR ADJSTK SERVICE

```
00000000 141 .PSECT SATS_ACCVIO_1,RD,WRT,NOEXE,PAGE
00000200 0000 142 EMPTY: .BLKB 512 ; RESERVE A PAGE OF SPACE
          0200 143 :
          0200 144 : +
          0200 145 : *****
          0200 146 : *
          0200 147 : * THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL. *
          0200 148 : * DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS *
          0200 149 : * FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE *
          0200 150 : * OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS). *
          0200 151 : *
          0200 152 : *****
          0200 153 : -
          0200 154 :
          0200 155 : TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
000001FF 0200 156 PRVHND_DCH22 = . - 1 ; PRVHND ARG FOR DCLCMH (LAST BYTE IN PAGE
000001F3 0200 157 = . - 13 ; ALLOW ROOM FOR STRING DESCRIPTOR
          01F3 158 ; TYPE AAAAA_SSSX5 GO HERE:
00000006 01F3 159 .LONG 6 ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
000001FB' 01F7 160 .ADDRESS +4 ; STRING ADDRESS
          01FB 161 ; TYPE AAAAA_SSSX3 GO HERE:
000001FC 01FB 162 .BLKB 1 ; LOW-ORDER BYTE OF STRING LENGTH
          01FC 163 ; TYPE AAAAA_SSSX2 GO HERE:
00000200 01FC 164 .BLKL 1 ; STRING LENGTH
          0200 165 :
          0200 166 :
          0200 167 :
          0200 168 :
00000000 169 .PSECT SATS_ACCVIO_2,RD,WRT,NOEXE,PAGE
00000200 0000 170 NOACCESS: .BLKB 512 ; RESERVE A PAGE OF SPACE
00000000 0200 171 = . - 512 ; RETURN LOC CTR TO BEGINNING OF PSECT
00000000' 0000 172 .ADDRESS EMPTY ; ADDRESS OF ACCESSIBLE STRING
00000000' 0004 173 .ADDRESS EMPTY/^X100 ; ADDRESS OF ACCESSIBLE STRING
          0008 174 :+
          0008 175 : *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
          0008 176 : *** THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
          0008 177 : *** FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
          0008 178 : *** CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
          0008 179 : -
          0008 180 :
          0008 181 :
          0008 182 :
          0008 183 :
00000000 184 .PSECT SATSSF15,RD,WRT,EXE, LONG
```



```
0000 186 .SBTTL SATSSF15
0000 187 :++
0000 188 : FUNCTIONAL DESCRIPTION:
0000 189 :
0000 190 : AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000 191 : PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000 192 : THE SATSSF15 ROUTINE EXECUTES THE TEST SERV EXEC MACRO TO RUN
0000 193 : ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF15
0000 194 : PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000 195 : OPERATING SYSTEM. TEST SERV EXEC CALLS THE TC CONTROL/TESTSERV
0000 196 : CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000 197 : CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000 198 : ITS TEST CASES WITH A TC GROUP MACRO BEFORE THE FIRST TEST CASE
0000 199 : AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000 200 : ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000 201 : NEXT TEST CASE MACRO. TC CONTROL/TESTSERV EXECUTES THE CODE
0000 202 : FOLLOWING EACH NEXT TEST CASE MACRO IMMEDIATELY BEFORE ISSUING
0000 203 : THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC CONTROL/
0000 204 : TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000 205 : TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000 206 : MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000 207 : NEXT TEST CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000 208 : FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000 209 : BY THE PREVIOUS TEST CASE.
0000 210 :
0000 211 : CALLING SEQUENCE:
0000 212 :
0000 213 : $ RUN SATSSF15 ... (DCL COMMAND)
0000 214 :
0000 215 : INPUT PARAMETERS:
0000 216 :
0000 217 : NONE
0000 218 :
0000 219 : IMPLICIT INPUTS:
0000 220 :
0000 221 : NONE
0000 222 :
0000 223 : OUTPUT PARAMETERS:
0000 224 :
0000 225 : NONE
0000 226 :
0000 227 : IMPLICIT OUTPUTS:
0000 228 :
0000 229 : MESSAGES TO SYS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF15.
0000 230 : THEY ARE OF THE FORM:
0000 231 :
0000 232 : %UETP-S-SATSMS, TEST MODULE SATSSF15 BEGUN ... (BEGIN MSG)
0000 233 : %UETP-S-SATSMS, TEST MODULE SATSSF15 SUCCESSFUL ... (END MSG)
0000 234 : %UETP-E-SATSMS, TEST MODULE SATSSF15 FAILED ... (END MSG)
0000 235 : %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 236 :
0000 237 : COMPLETION CODES:
0000 238 :
0000 239 : THE SATSSF15 ROUTINE TERMINATES WITH A $EXIT TO THE
0000 240 : OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETP$_SATSMS.
0000 241 :
0000 242 : SIDE EFFECTS:
```

```

0000 243 :
0000 244 : NONE
0000 245 :
0000 246 :--
0000 247 :
0000 248 :
0000 249 :
0000 250 SATSSF15.
OFFC 0000 251 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
0002 252 : ENTRY MASK
0002 253 $WAKE S TPID : GET PID OF THIS PROCESS
0011 254 $HIBER S : UNDO WAKE
0018 255 $SETPRN_S TEST MOD NAME_D : SET PROCESS NAME
BSBW MOD MSG PRINT : PRINT TEST MODULE BEGIN MSG
0025 256 MOVAL TEST MOD_SUCC,TMD,ADDR : ASSUME END MSG WILL SHOW SUCCESS
0028 257 INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS
0033 258 MODE TO,10$,KRNL,NOREGS : KERNEL MODE TO ACCESS PHD
003C 259 MOVL @#CTL$GL PHD,R9 : GET PROCESS HEADER ADDRESS
0059 260 MOVAL PHD$Q PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS
0060 261 MODE FROM,T0$ : GET BACK TO USER MODE
0067 262 PRIV ADD,ALL : GET ALL PRIVILEGES
0088 264 DISPSERV : SET UP DISPLAY INFO FOR TESTSERV
021D 265 $SETPRT_S INADR=INADR,RETADR=RETADR,-
021D 266 PROT=PROT,PRVPRT=PRVPRT
023E 267 : SET NOACCESS PSECT ...
023E 268 : ... FOR NO USER ACCESS
05A2 31 023E 269 BRW EXECUTE : GO EXECUTE ALL TEST CASES
0241 270 :
0241 271 : TC_GROUP DCH,1,TS1
0268 272 :
0268 273 : NEXT_TEST_CASE SFDCH20

```

```
0268 274 :  
0268 275 :++  
0268 276 :*****  
0268 277 :*  
0268 278 :* TEST CASE NAME:          SFDCH20  
0268 279 :*  
0268 280 :* SYSTEM SERVICE:          DCLCMH  
0268 281 :*  
0268 282 :* ARGUMENT UNDER TEST:     PRVHND_DCH20  
0268 283 :*  
0268 284 :* INPUT CONDITIONS:  
0268 285 :*   PREVIOUS HANDLER ADDRESS BUFFER AT LOCATION 1.  
0268 286 :*  
0268 287 :* EXPECTED RESULTS:  
0268 288 :*   1) SYSTEM STATUS CODE: ACCVIO  
0268 289 :*   2) REGISTERS R2 THROUGH FP UNCHANGED  
0268 290 :*  
0268 291 :*****  
0268 292 :--  
0268 293 :  
0268 294 :  
0268 295 :   NEXT_TEST_CASE  SFDCH21
```

```
0274 296 :  
0274 297 :++  
0274 298 :*****  
0274 299 :*  
0274 300 :* TEST CASE NAME:          SFDCH21  
0274 301 :*  
0274 302 :* SYSTEM SERVICE:         DCLCMH  
0274 303 :*  
0274 304 :* ARGUMENT UNDER TEST:   PRVHND_DCH21  
0274 305 :*  
0274 306 :* INPUT CONDITIONS:  
0274 307 :*   PREVIOUS HANDLER ADDRESS BUFFER IN READ-ONLY PSECT.  
0274 308 :*  
0274 309 :* EXPECTED RESULTS:  
0274 310 :*   1) SYSTEM STATUS CODE: ACCVIO  
0274 311 :*   2) REGISTERS R2 THROUGH FP UNCHANGED  
0274 312 :*  
0274 313 :*****  
0274 314 :--  
0274 315 :  
0274 316 :  
0274 317 :      NEXT_TEST_CASE  SFDCH22
```

```
0280 318 :  
0280 319 :++  
0280 320 :*****  
0280 321 :*  
0280 322 :* TEST CASE NAME: SFDCH22  
0280 323 :*  
0280 324 :* SYSTEM SERVICE: DCLCMH  
0280 325 :*  
0280 326 :* ARGUMENT UNDER TEST: PRVHND_DCH22  
0280 327 :*  
0280 328 :* INPUT CONDITIONS:  
0280 329 :* PREVIOUS HANDLER ADDRESS BUFFER BEGINS IN ACCESSIBLE  
0280 330 :* PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
0280 331 :*  
0280 332 :* EXPECTED RESULTS:  
0280 333 :* 1) SYSTEM STATUS CODE: ACCVIO  
0280 334 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0280 335 :*  
0280 336 :*****  
0280 337 :--  
0280 338 :  
0280 339 :  
0280 340 : TCEND
```

SATSSF15
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{B 15} 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00 Page 11
5-SEP-1984 04:29:21 [UETPSY.SRC]SAT SF15.MAR;1 (1)

0281	341	:		
0281	342	:	TC_GROUP	LEH,1,TS2
02A8	343	:		
02A8	344	:	NEXT_TEST_CASE	SFCEH10

```
02A8 345 :  
02A8 346 :++  
02A8 347 :*****  
02A8 348 :*  
02A8 349 :* TEST CASE NAME: SFCEH10  
02A8 350 :*  
02A8 351 :* SYSTEM SERVICE: CANEXH  
02A8 352 :*  
02A8 353 :* ARGUMENT UNDER TEST: DESBLK_CEH10  
02A8 354 :*  
02A8 355 :* INPUT CONDITIONS:  
02A8 356 :* SPECIFIED EXIT HANDLER NEVER DECLARED  
02A8 357 :* WITH A $DCLEXH SYSTEM SERVICE.  
02A8 358 :*  
02A8 359 :* EXPECTED RESULTS:  
02A8 360 :* 1) SYSTEM STATUS CODE: NOHANDLER  
02A8 361 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
02A8 362 :*  
02A8 363 :*****  
02A8 364 :--  
02A8 365 :  
02A8 366 :  
02A8 367 : TCEND
```

SATSSF15
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{D 15} 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00 Page 13
5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1 (1)

02A9	368	:		
02A9	369	:	TC_GROUP	ADS,1,TS3
02D0	370	:		
02D0	371	:	NEXT_TEST_CASE	SFADS10


```
02D0 372 :  
02D0 373 :++  
02D0 374 :*****  
02D0 375 :*  
02D0 376 :* TEST CASE NAME: SFADS10  
02D0 377 :*  
02D0 378 :* SYSTEM SERVICE: ADJSTK  
02D0 379 :*  
02D0 380 :* ARGUMENT UNDER TEST: ACMODE_ADS10  
02D0 381 :*  
02D0 382 :* INPUT CONDITIONS:  
02D0 383 :* ATTEMPT TO ADJUST SUPERVISOR STACK  
02D0 384 :*  
02D0 385 :* EXPECTED RESULTS:  
02D0 386 :* 1) SYSTEM STATUS CODE: NOPRIV  
02D0 387 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
02D0 388 :*  
02D0 389 :*-----  
02D0 390 :--  
02D0 391 :  
02D0 392 :  
02D0 393 : NEXT_TEST_CASE SFADS11
```

```
02DC 394 :  
02DC 395 :++  
02DC 396 :*****  
02DC 397 :*  
02DC 398 :* TEST CASE NAME: SFADS11  
02DC 399 :*  
02DC 400 :* SYSTEM SERVICE: ADJSTK  
02DC 401 :*  
02DC 402 :* ARGUMENT UNDER TEST: ACMODE_ADS11  
02DC 403 :*  
02DC 404 :* INPUT CONDITIONS:  
02DC 405 :* ATTEMPT TO ADJUST EXECUTIVE STACK.  
02DC 406 :*  
02DC 407 :* EXPECTED RESULTS:  
02DC 408 :* 1) SYSTEM STATUS CODE: NOPRIV  
02DC 409 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
02DC 410 :*  
02DC 411 :*****  
02DC 412 :--  
02DC 413 :*  
02DC 414 :*  
02DC 415 :* NEXT_TEST_CASE SFADS12
```

```
02E8 416 :  
02E8 417 :++  
02E8 418 :*****  
02E8 419 :*  
02E8 420 :* TEST CASE NAME: SFADS12  
02E8 421 :*  
02E8 422 :* SYSTEM SERVICE: ADJSTK  
02E8 423 :*  
02E8 424 :* ARGUMENT UNDER TEST: ACMODE_ADS12  
02E8 425 :*  
02E8 426 :* INPUT CONDITIONS:  
02E8 427 :* ATTEMPT TO ADJUST KERNEL STACK.  
02E8 428 :*  
02E8 429 :* EXPECTED RESULTS:  
02E8 430 :* 1) SYSTEM STATUS CODE: NOPRIV  
02E8 431 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
02E8 432 :*  
02E8 433 :*****  
02E8 434 :--  
02E8 435 :  
02E8 436 :  
02E8 437 : TCEND
```

```
02E9 438 TS1:
02E9 439 TESTSERV DCLCMH,ERR,SATS,
02E9 440
02E9 441 <1,ADDRES_DCH,
02E9 442 >,
02E9 443
02E9 444 <1,PRVHND_DCH,
02E9 445 PRVHND_DCH20,ACCVIO, - ; SFDCH20
02E9 446 PRVHND_DCH21,ACCVIO, - ; SFDCH21
02E9 447 PRVHND_DCH22,ACCVIO, - ; SFDCH22
02E9 448 >,
02E9 449
02E9 450 <1,TYPE_DCH,
02E9 451 >,
02E9 452
04D3 453 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

SATSSF15
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{1 15} 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00
5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1

Page 18
(1)

```
04F3 454 TS2:
04F3 455 TESTSERV CANEXH,ERR,SATS, -
04F3 456 -
04F3 457 <1,DFSBLK_CEH, -
04F3 458 DESBLK_CEH10,NOHANDLER, - ; SFCEH10
04F3 459 >, -
04F3 460
05B6 461 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
05D6 462 TS3:
05D6 463 TESTSERV ADJSTK,ERR,SATS, -
05D6 464 - -
05D6 465 <1,ACMODE_ADS, -
05D6 466 ACMODE_ADS10,NOPRIV, - ; SFADS10
05D6 467 ACMODE_ADS11,NOPRIV, - ; SFADS11
05D6 468 ACMODE_ADS12,NOPRIV, - ; SFADS12
05D6 469 >, -
05D6 470 - -
05D6 471 <1,ADJUST_ADS, -
05D6 472 >, -
05D6 473 - -
05D6 474 <1,NEWADR_ADS, -
05D6 475 >, -
05D6 476
07C3 477 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

SATSSF15
V04-000

```
00000044'LF 01 1C 0138 30 07E3 478 .SBTTL EXECUTE & CLEANUP
07E3 479 EXECUTE:
07E3 480 TEST_SERV_EXEC ; EXECUTE ALL T. CASES IN ALL GROUPS
0801 481 CLEANUP:
0801 482 BSBW MOD_MSG_PRINT ; PRINT TEST MODULE END MSG
0804 483 INSV #1,#STSSV_INHIB_MSG,#1,MOD_MSG_CODE ; INHIBIT PRINTING
080D 484 ; INHIBIT PRINTING
080D 485 $EXIT_S MOD_MSG_CODE ; EXIT TO OP SYS WITH MSG CODE
```

```
081A 487 .SBTTL TC_CONTROL
081A 488 :++
081A 489 : FUNCTIONAL DESCRIPTION:
081A 490 :
081A 491 : THE TC_CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
081A 492 : MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
081A 493 : MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV_MACRO.
081A 494 : TESTSERV_MACRO CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
081A 495 : STATUS CODE VALUES. TESTSERV_MACRO ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
081A 496 : SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
081A 497 : DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC_CONTROL USES A
081A 498 : CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV_MACRO
081A 499 : IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
081A 500 : TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
081A 501 : THE GROUP. THE FIRST ALLOWS TESTSERV_MACRO TO ISSUE THE SUBJECT SYSTEM SERVICE.
081A 502 : THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV_MACRO TO CHECK THE RETURNED
081A 503 : STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
081A 504 : IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV_MACRO (NOT TC_CONTROL)
081A 505 : RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP_MACRO)
081A 506 : FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC_CONTROL WHICH
081A 507 : IN TURN ENTERS TESTSERV_MACRO AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
081A 508 : TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
081A 509 :
081A 510 : CALLING SEQUENCE:
081A 511 :
081A 512 : BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC_MACRO)
081A 513 : (RSB IS ISSUED WITHIN THE TS_CLEANUP_MACRO)
081A 514 :
081A 515 : INPUT PARAMETERS:
081A 516 :
081A 517 : NONE
081A 518 :
081A 519 : IMPLICIT INPUTS:
081A 520 :
081A 521 : ARGUMENTS SPECIFIED ON EACH TESTSERV_MACRO MAY BE VIEWED AS
081A 522 : INPUTS, SINCE TC_CONTROL AND TESTSERV_MACRO ACT AS CO-ROUTINES.
081A 523 :
081A 524 : OUTPUT PARAMETERS:
081A 525 :
081A 526 : SEVERITY CODE FIELD OF MOD_MSG_CODE (BITS 0,1,2) IS SET TO ERROR
081A 527 : IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
081A 528 : SET TO SUCCESSFUL.
081A 529 :
081A 530 : IMPLICIT OUTPUTS:
081A 531 :
081A 532 : XUETP-I-TEXT, ERROR MESSAGES ARE WRITTEN TO SYSS$OUTPUT BY
081A 533 : THE TESTSERV_MACRO (CO-ROUTINE WITH TC_CONTROL)
081A 534 :
081A 535 : COMPLETION CODES:
081A 536 :
081A 537 : NONE
081A 538 :
081A 539 : SIDE EFFECTS:
081A 540 :
081A 541 : NONE
081A 542 :
081A 543 :--
```


			081A	544			
			081A	545			
			081A	546			
			081A	547	TC_CONTROL:		
00000064'EF	DD		081A	548	PUSHL	TS_EP	: PUSH TESTSERV ENTRY POINT
	9E	16	0820	549	JSB	@(SP)+	: ENTER TESTSERV INITIALIZATION
			0822	550	10\$:		: PROCESS NEXT TEST CASE
00000056'EF	20	90	0822	551	MOVB	#^A/ /,\$\$TSTN\$\$+2	: MAKE SURE T.C. NAME HAS A BLANK
	002F	30	0829	552	BSBW	REG_SAVE	: SAVE REGISTERS
00000004'FF		16	082C	553	JSB	@CURRENT_TC	: JUMP TO CURRENT TEST CASE
	0037	30	0832	554	BSBW	REG_REST	: RESTORE REGS FOR TESTSERV
	9E	16	0835	555	JSB	@(SP)+	: LET TESTSERV ISSUE SYSTEM SERVICE
	0042	30	0837	556	BSBW	REG_COMP	: COMPARE REGS TO SEE IF ...
			083A	557			: ... SYSTEM SERVICE CHANGED ANY
	9E	16	083A	558	JSB	@(SP)+	: LET TESTSERV CHEK S.S. STATUS CODE
00000056'EF	2A	91	083C	559	CMPB	#^A/*/,\$\$TSTN\$\$+2	: HAS TESTSERV INDICATED FAILURE ?
	DD	12	0843	560	BNEQU	10\$: NO -- PROCESS NEXT TEST CASE
00000060'EF		DE	0845	561	MOVAL	TEST_MOD_FAIL,TMD_ADDR	: YES -- INDICATE FAILED IN END MSG
00000044'EF	03	00	0850	562	INSV	#ERROR,#0,#3,MOD_MSG_CODE	: ADJUST STATUS CODE FOR ERROR
			0859	563	BRB	10\$: LOOP BAK TO PROCESS NEXT TEST CASE
			085B	564	:		
			085B	565	:		
			085B	566	:		

TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)

```

00000008'EF 7FFF 8F BB 085B 568 .SBTTL SUBROUTINES
              6E 3C 28 085B 569 REG_SAVE:
              7FFF 8F BA 085B 570 :
              05 085B 571 :*****
              085B 572 *
              085F 573 * SAVES R0 THRU SP IN REG_SAVE_AREA *
              0867 574 *
              086B 575 :*****
              086C 576 :
              086C 577 PUSHR #R0_THRU_SP : SAVE ALL REGS ON STACK
              086C 578 MOV C3 #60,(SP),REG_SAVE_AREA : SAVE REGS (BEFORE S.S.)
              086C 579 POPR #R0_THRU_SP : CLEAN UP STACK
              086C 580 RSB : .... AND RETURN
              086C 581 :
              086C 582 :
              086C 583 :
              086C 584 :
              086C 585 REG_REST:
              086C 586 :
              086C 587 :
              086C 588 :*****
              086C 589 *
              086C 590 * RESTORES R0 THRU SP FROM REG_SAVE_AREA *
              086C 591 *
              086C 592 :*****
              086C 593 :
              6E 00000008'EF 5E 3C C2 086C 594 SUBL2 #60,SP : MOVE SP TO MAKE ROOM FOR REGS
              7FFF 8F BA 086F 595 MOV C3 #60,REG_SAVE_AREA,(SP) : MOVE REGS ONTO STACK FOR POP
              05 0877 596 POPR #R0_THRU_SP : RESTORE ALL REGS FOR TESTSERV
              087B 597 RSB : ... AND RETURN

```

00000008'EF 7FFF 8F BB 085B 568 .SBTTL SUBROUTINES
00000008'EF 6E 3C 28 085B 569 REG_SAVE:
00000008'EF 7FFF 8F BA 085B 570 :
00000008'EF 05 085B 571 :*****
00000008'EF 085B 572 *
00000008'EF 085F 573 * SAVES R0 THRU SP IN REG_SAVE_AREA *
00000008'EF 0867 574 *
00000008'EF 086B 575 :*****
00000008'EF 086C 576 :
00000008'EF 086C 577 PUSHR #R0_THRU_SP : SAVE ALL REGS ON STACK
00000008'EF 086C 578 MOV C3 #60,(SP),REG_SAVE_AREA : SAVE REGS (BEFORE S.S.)
00000008'EF 086C 579 POPR #R0_THRU_SP : CLEAN UP STACK
00000008'EF 086C 580 RSB : AND RETURN
00000008'EF 086C 581 :
00000008'EF 086C 582 :
00000008'EF 086C 583 :
00000008'EF 086C 584 :
00000008'EF 086C 585 REG_REST:
00000008'EF 086C 586 :
00000008'EF 086C 587 :
00000008'EF 086C 588 :*****
00000008'EF 086C 589 *
00000008'EF 086C 590 * RESTORES R0 THRU SP FROM REG_SAVE_AREA *
00000008'EF 086C 591 *
00000008'EF 086C 592 :*****
00000008'EF 086C 593 :
00000008'EF 6E 00000008'EF 5E 3C C2 086C 594 SUBL2 #60,SP : MOVE SP TO MAKE ROOM FOR REGS
00000008'EF 7FFF 8F BA 086F 595 MOV C3 #60,REG_SAVE_AREA,(SP) : MOVE REGS ONTO STACK FOR POP
00000008'EF 05 0877 596 POPR #R0_THRU_SP : RESTORE ALL REGS FOR TESTSERV
00000008'EF 087B 597 RSB : ... AND RETURN

```

087C 599 REG_COMP:
087C 600 :
087C 601 : *****
087C 602 : *
087C 603 : * 1) PUSHES ALL REGS ONTO STACK *
087C 604 : * 2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING *
087C 605 : * IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED *
087C 606 : * IN REG_COMP_MASK. *
087C 607 : * 3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED *
087C 608 : * (USING $FAO AND $OUTPUT SYSTEM SERVICES). *
087C 609 : * 4) POPS ALL REGS OFF OF STACK *
087C 610 : *
087C 611 : *****
087C 612 :
56 7FFF 8F BB 087C 613 PUSHR #R0_THRU_SP ; SAVE ALL REGISTERS ON STACK
00000008'EF DE 0880 614 MOVAL REG_SAVE_AREA,R6 ; POINT R6 TO BEG OF
54 5E D0 0887 615 ; ... REGS (BEFORE S.S.)
0887 616 MOVL SP,R4 ; POINT R4 TO BEG OF
53 FF 8F 98 088A 617 ; ... REGS (AFTER S.S.)
088A 618 CVTBL #-1,R3 ; INITIALIZE REG_COMP_MASK INDEX
088E 619 REG_COMP NEXT:
53 53 D6 088E 620 INCL R3 ; POINT TO NEXT BIT IN MASK
03 OF 91 0890 621 CMPB #15,R3 ; END OF THE MASK ?
009F 31 0893 622 BGTRU REG_COMP_CONT ; NO -- CONTINUE
84 86 D1 0895 623 BRW REG_COMP_RSB ; YES -- GO TO COMMON RETURN
0898 624 REG_COMP CONT:
0898 625 CMPL (R6)+,(R4)+ ; REG BEFORE = REG AFTER ?
E9 00000000'EF 53 E1 089B 626 BEQLU REG_COMP_NEXT ; YES -- LOOK FOR NEXT REG
089D 627 BBC R3,REG_COMP_MASK,REG_COMP_NEXT
00000048'EF 53 D0 08A5 628 ; NO -- GET NEXT IF BIT NOT SET
0000004C'EF FC A6 D0 08AC 629 MOVL R3,CLOB_REG_NO ; NO -- GIVE REG NUMBER TO FAO
00000050'EF FC A4 D0 08B4 630 MOVL -4(R6),REG_BEFORE_SS ; GIVE 'BEFORE' CONTENTS TO FAO
00000056'EF 2A 90 08BC 631 MOVL -4(R4),REG_AFTER_SS ; GIVE 'AFTER' CONTENTS TO FAO
08C3 632 MOVB #^A/^/, $$TSTN$$+2 ; GIVE FAILURE INDIC'N IN ERROR MSG
08C3 633 :
08C3 634 $FAO_S ERR_MSG FAOCTL,OUTL,OUTD,$$SNAD$$, -
08C3 635 $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
F817 CF F7E1 CF B0 08F6 636 :
08F6 637 MOVW OUTL,OUTD ; ACTUAL OUTPUT LEN IN STRING DESC'R
F7FB CF 0084 8F B0 08FD 638 PUTMSG <#UETPS TEXT,#1,#OUTD> ; PRINT THE MSG
00000056'EF 20 B0 0912 639 MOVW #OUTE-OUTB,OUTD ; GET MAX LEN BACK INTO DESCRIPTOR
00000060'EF 00000088'EF DE 0919 640 MOVB #^A/ /,$$TSTN$$+2 ; REMOVE FAIL INDIC'N FOR NEXT MSG
00000044'EF 03 00 02 FO 0920 641 MOVAL TEST_MOD_FAIL,TMD_ADDR ; INDICATE FAILED IN END MSG
FF57 31 092B 642 INSV #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
0934 643 BRW REG_COMP_NEXT ; GO LOOK FOR NEXT REG TO COMPARE
7FFF 8F BA 0937 644 REG_COMP_RSB:
05 0937 645 POPR #R0_THRU_SP ; CLEAN UP STACK
093B 646 RSB ; RETURN TO CALLER

```

```
093C 648 MOD_MSG_PRINT:
093C 649 :
093C 650 : *****
093C 651 : *
093C 652 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES *
093C 653 : * (USING THE PUTMSG MACRO). *
093C 654 : *
093C 655 : *****
```

```
093C 657 ;
093C 658 ; PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> ; PRINT MSG
05 0957 659 RSB ; ... AND RETURN TO CALLER
0958 660 ;
0958 661 CHMRTN:
0958 662 : *****
0958 663 : *
0958 664 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
0958 665 : * A CMKRN, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
0958 666 : * BY THE MODE MACRO ('TU' OPTION). IT MERELY DOES
0958 667 : * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
0958 668 : * THE EFFECT OF RETURNING TO THE END OF THE MODE
0958 669 : * MACRO EXPANSION.
0958 670 : *
0958 671 : *****
0958 672 :
0000079'FF 0000 0958 673 .WORD 0 ; ENTRY MASK
17 095A 674 JMP @CHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
0960 675 :
0960 676 : * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
0960 677 :
0960 678 .END SATSSF15
```

SATSSF15
Symbol table

```

$$$CHARS          = 00000048
$$$FIRSTTC$$$    = 00000000
$$$STRINGS       = 00000000
$$ACT$$         = 000000F3 R 06
$$ARG$$         = 000000FB R 06
$$ASEQ$$        = 000000EB R 06
$$CALL$$        = 000000DF R 06
$$DISP$$        = 000001E6 R 06
$$ERR$$         = 000001A0 R 06
$$EXP$$         = 000000F7 R 06
$$INIT$$        = 000000E3 R 06
$$MAXP$$        = 00000005
$$PSEQ$$        = 000000EF R 06
$$SNAD$$        = 000000E7 R 06
$$T1            = 00000004
$$T2            = 00000009
$$TSTN$$        = 00000054 R 03
ACMODE_ADS      = 000000C8 R 02
ACMODE_ADS10    = 000000CC R 02
ACMODE_ADS11    = 000000D0 R 02
ACMODE_ADS12    = 000000D4 R 02
ADDRESS_DCH     = 000000BD R 02
ADJUST_ADS      = 000000D8 R 02
CHMRTN         = 00000958 R 06
CHM CONT        = 00000079 R 03
CLEANUP         = 00000801 R 06
CLOB_REG_NO     = 00000048 R 03
CTLSGL_PHD     = ***** X 06
CURRENT_TC      = 00000004 R 03
DESBK_CEH      = 00000095 R 03
DESBK_CEH10    = 00000095 R 03
EMPTY          = 00000000 R 04
ERROR          = 00000002
ERR_MSG_FAOCTL = 00000002 R 02
EXECUTE        = 000007E3 R 06
GRP TOTAL      = 00000003
INADR          = 000000A9 R 02
INFO           = 00000003
LIB$SIGNAL     = ***** X 06
MEXIT          = 00000000
MOD_MSG_CODE   = 00000044 R 03
MOD_MSG_PRINT  = 0000093C R 06
NARGS         = 0000000E
NEWADR_ADS     = 000000AC R 03
NOACCESS       = 00000000 R 05
NSSARGS       = 00000003
ONES          = 000000B5 R 02
OUTB          = 0000011C R 06
OUTD          = 00000114 R 06
OUTE          = 000001A0 R 06
OUTL          = 000000DB R 06
PHD$Q PRIVMSK = 00000000
PRIVMSK        = 00000071 R 03
PRIV_ARGS     = 00000002
PROT          = 000000B1 R 02
PRT$C NA      = ***** X 02
PRVHND_DCH    = 00000091 R 03

```

```

PRVHND_DCH20
PRVHND_DCH21
PRVHND_DCH22
FRVPRT
PSL$C_EXEC
PSL$C_KERNEL
PSL$C_SUPER
PSL$C_USER
RO_THRU_SP
REGS
REG_AFTER_SS
REG_BEFORE_SS
REG_COMP
REG_COMP_CONT
REG_COMP_MASK
REG_COMP_NEXT
REG_COMP_RSB
REG_REST
REG_SAVE
REG_SAVE_AREA
RETRADR
SATSSF15
SEVERE
SHR$K_SHRDEF
SHR$ TEXT
SS$ ACCVIO
SS$ _NOHANDLER
SS$ _NOPRIV
ST$V INHIB_MSG
SUCCESS
SYSSADJSTK
SYSSCANEXH
SYSSCMKRNL
SYSSDCLCMH
SYSS$EXIT
SYSSFAO
SYSSFAOL
SYSSHIBER
SYSSSETPRN
SYSSSETPRT
SYSSSETPRV
SYSSWAKE
TC1
TC2
TC3
TCG_NO
TC CONTROL
TEST_MOD_BEG
TEST_MOD_FAIL
TEST_MOD_NAME
TEST_MOD_NAME_D
TEST_MOD_SUCC_D
TMD_ADDR
TMN_ADDR
TPID
TS1
TS2

```

```

= 00000001
000000C0 R 02
= 000001FF R 04
00000070 R 03
= 00000001
= 00000000
= 00000002
= 00000003
= 00007FFF
0000007D R 03
00000050 R R 03
0000004C R R 03
0000087C R R 06
00000898 R R 06
00000000 R R 02
0000088E R R 06
00000937 R R 06
0000086C R R 06
0000085B R R 06
00000008 R R 03
00000068 R R 03
00000000 R 06
= 00000004
= 00000001
= 00001130
***** X 06
***** X 06
***** X 06
= 0000001C
= 00000001
***** GX 06
***** GX 06
***** GX 06
***** GX 06
***** GX 06
***** X 06
***** GX 06
***** GX 06
***** GX 06
***** GX 06
***** GX 06
00000241 R 06
00000281 R 06
000002A9 R 06
= 00000003
0000081A R 06
00000077 R 02
00000088 R 02
0000006E R 02
0000008F R 02
0000007D R 02
00000060 R 03
0000005C R 03
00000000 R 03
000002E9 R 06
000004F3 R 06

```

SATSSF15
Symbol table

```

TS3          000005D6 R    06
TS EP       00000064 R    03
TTNAME      0000009F R    02
TYPE DCH    000000C4 R    02
UETPS_SATSMS = 007480D9
UETPS_TEXT  = 00741133
WARNING     = 00000000
  
```

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	000000DC (220.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	000000B0 (176.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC BYTE
SATS_ACCVIO_1	00000200 (512.)	04 (4.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC PAGE
SATS_ACCVIO_2	00000200 (512.)	05 (5.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC PAGE
SATSSF15	00000960 (2400.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	31	00:00:00.07	00:00:00.29
Command processing	107	00:00:00.71	00:00:02.84
Pass 1	358	00:00:13.33	00:00:22.59
Symbol table sort	0	00:00:01.08	00:00:01.15
Pass 2	142	00:00:03.02	00:00:03.87
Symbol table output	16	00:00:00.12	00:00:00.12
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	658	00:00:18.37	00:00:30.92

The working set limit was 1650 pages.
68551 bytes (134 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 637 non-local and 88 local symbols.
678 source lines were read in Pass 1, producing 27 object records in Pass 2.
64 pages of virtual memory were used to define 48 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
_\$255\$DUA28:[SHRLIB]UETP.MLB;1	19
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	21
TOTALS (all libraries)	42

1273 GFTS were required to define 42 macros.

SATSSF15
VAX-11 Macro Run Statistics

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{G 16} 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00
5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1

Page 29
(2)

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSF15/OBJ=OBJ\$:SATSSF15 MSRC\$:SATSSF15/UPDATE=(ENH\$:SATSSF15)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

0420

AH-BT13A-SE
VAX/VMS V4.0

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