


```

SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFF  11  666666
SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFF  11  666666
SS        AA      AA      TT        SS        SS        FF        1111  66
SS        AA      AA      TT        SS        SS        FF        1111  66
SS        AA      AA      TT        SS        SS        FF        11    66
SS        AA      AA      TT        SS        SS        FF        11    66
SSSSSSS   AA      AA      TT        SSSSSS   SSSSSS   FFFFFFFF  11    66666666
SSSSSSS   AA      AA      TT        SSSSSS   SSSSSS   FFFFFFFF  11    66666666
SS        AA      AA      TT        SS        SS        FF        11    66
SS        AA      AA      TT        SS        SS        FF        11    66
SS        AA      AA      TT        SS        SS        FF        11    66
SS        AA      AA      TT        SS        SS        FF        11    66
SSSSSSSS  AA      AA      TT        SSSSSSSS  SSSSSSSS  FF        111111  666666
SSSSSSSS  AA      AA      TT        SSSSSSSS  SSSSSSSS  FF        111111  666666

```

```

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)	185	SATSSF16
(1)	272	SFFA010
(1)	294	SFFA030
(1)	321	SFFAL10
(1)	343	SFFAL30
(1)	370	SFSNE10
(1)	394	SFSNE11
(1)	466	EXECUTE & CLEANUP
(1)	475	TC CONTROL
(1)	556	SUBROUTINES

```
0000 1 .TITLE SATSSF16 - 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 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
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 SATSSF16 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 UETPS TEXT
0000 63 : GET RID OF MACRO DEFINITIONS
0000 64 :
0000 65 : MACROS:
0000 66 :
0000 67 :
0000 68 : EQUATED SYMBOLS:
0000 69 :
00000000 0000 70 WARNING = 0 : WARNING SEVERITY VALUE FOR MSGS
00000001 0000 71 SUCCESS = 1 : SUCCESS SEVERITY VALUE FOR MSGS
00000002 0000 72 ERROR = 2 : ERROR SEVERITY VALUE FOR MSGS
00000003 0000 73 INFO = 3 : INFORMATIONAL SEV VALUE FOR MSGS
00000004 0000 74 SEVERE = 4 : SEVERE (FATAL) SEV VALUE FOR MSGS
00000000 0000 75 TCG_NO = 0 : INITIALIZE TEST CASE GROUP NUMBER
00000000 0000 76 GRP_TOTAL = 0 : INITIALIZE TEST CASE GROUP TOTAL
00007FFF 0000 77 RO_THRU_SP = ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP,SP>
0000 78 :
0000 79 : OWN STORAGE:
0000 80 :
```

```
00000000 82 .PSECT RODATA,RD,NOWRT,NOEXE, LONG
BFFC 0000 83 REG_COMP_MASK: .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
0002 84 ; REG COMPARE MASK (HIGH-ORDER ...
0002 85 ; BIT MUST BE ON
0002 86 ERR_MSG_FAOCTL: STRING I,<!/!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
0002 87 <: BEFORE SERVICE CALL: !8XL AFTER SERVICE CALL: !8XL>
006E 88 TEST_MOD_NAME: STRING C,<SATSSF16> ; TEST MODULE NAME
0077 89 TEST_MOD_BEG: STRING C,<begun> ; DISPOSITION FIELD OF TEST MOD MSG
007D 90 TEST_MOD_SUCC: STRING C,<successful> ; DISPOSITION FIELD OF TEST MOD MSG
0088 91 TEST_MOD_FAIL: STRING C,<failed> ; DISPOSITION FIELD OF TEST MOD MSG
008F 92 TEST_MOD_NAME_D: STRING I,<SATSSF16> ; TEST MODULE NAME DESCRIPTOR
009F 93 TTNAME: STRING I,<TT> ; TERMINAL LOGICAL NAME
00000000'00000000' 00A9 94 INADR: .LONG NOACCESS,NOACCESS ; PAGE ADDRESS OF NOACCESS PSECT
00000000'00000000' 00B1 95 PROT: .LONG PROT$C_NA ; PROTECTION CODE FOR NOACCESS PSECT
FFFFFFFF FFFFFFFF 00B5 96 ONES: .LONG -1,-1 ; A QUADWORD OF 1-BITS
00BD 97 CTRSTR_FAO: ; CTRSTR ARGUMENT FOR FAO
00BD 98 CTRSTR_FAL: ; CTRSTR ARGUMENT FOR FAOL
00BD 99 STRING I,<TEST: !AC>
00CE 100 CTRSTR_FAO10: ; CTRSTR ARGUMENT FOR FAO
00CE 101 CTRSTR_FAL10: ; CTRSTR ARGUMENT FOR FAOL
00CE 102 STRING I,<TEST: !BC>
000000E3' 00DF 103 P1_FAO: .ADDRESS COUNTED_STR ; P1 ARGUMENT FOR FAO
00E3 104 COUNTED_STR: STRING C,<A VALID COUNTED STRING>
00000000 00FA 105 P2_FAO: .LONG 0 ; P2 ARGUMENT FOR FAO
000000DF' 00FE 106 PRMLST_FAL: .ADDRESS P1_FAO ; PRMLST ARGUMENT FOR FAOL
0102 107 MSGBUF_SNE:
0102 108 MSGBUF_SNE10: STRING I,<SATSSF16 ERROR LOG BUFFER> ; MSGBUF ARG FOR SNDERR
0123 109 MY_DISK: STRING I,<SYSSDISK> ; LOGICAL NAME FOR USER DISK
```

```

00000000 111 .PSECT RWDATA, RD, WRT, NOEXE
00000004 0000 112 TPID: .BLKL 1 ; PROCESS ID FOR THIS PROCESS
00000008 0004 113 CURRENT TC: .BLKL 1 ; PTR TO CURRENT TEST CASE
00000044 0008 114 REG_SAVE_AREA: .BLKL 15 ; SAVE AREA FOR ALL REGS (SANS PC)
007480D9 0044 115 MOD_MSG_CODE: .LONG UETPS_SATSMS ; TEST MODULE MSG CODE FOR PUTMSG
0000004C 0048 116 CLOB_REG_NO: .BLKL 1 ; CLOBBERED REG NO (FOR FAO ERR MSG)
00000050 004C 117 REG_BEFORE_SS: .BLKL 1 ; REG CONTENTS BEFORE S.S.
00000054 0050 118 ; ... (FOR FAO ERROR MSG)
00000054 0050 119 REG_AFTER_SS: .BLKL 1 ; REG CONTENTS AFTER S.S.
00000054 0054 120 ; ... (FOR FAO ERROR MSG)
0000006E 0054 121 $$TSTN$$: STRING C, < SF > ; ASCII PORTION OF TEST CASE NAME
00000077 0060 122 TMN_ADDR: .ADDRESS TEST_MOD_NAME ; ADDR OF TEST MOD NAME FOR FAO
00000068 0064 123 TMD_ADDR: .ADDRESS TEST_MOD_BEG ; ADDR OF T.M. DISP FIELD FOR FAO
00000070 0068 124 TS_EP: .BLKL 1 ; ENTRY PNT FOR CURR TESTSERV MACRO
00000071 0070 125 RETADR: .BLKL 2 ; RETURN LONGWORDS FOR SETPRT
00000079 0071 126 PRVPRT: .BLKB 1 ; PROT RETURN BYTE FOR SETPRT
0000007D 0079 127 PRIVMASK: .BLKQ 1 ; ADDR OF PRIVILEGE MASK (IN PHD)
00000091 007D 128 CHM_CONT: .BLKL 1 ; CHANGE MODE CONTINUE ADDRESS
00000091 0091 129 REGS: .BLKL 5 ; AREA FOR COND INDEX REGS (R2-R6)
00000093 0091 130 OUTLEN_FAO: ; OUTLEN ARGUMENT FOR FAO
00000093 0091 131 OUTLEN_FAL: ; OUTLEN ARGUMENT FOR FAOL
00000093 0093 132 ; OUTBUF ARGUMENT FOR FAO
00000093 0093 133 OUTBUF_FAO: ; OUTBUF ARGUMENT FOR FAOL
00000093 0093 134 OUTBUF_FAL: ; OUTBUF ARGUMENT FOR FAOL
00CD 135 OUTBUF_FAO30: STRING 0,50 ; OUTBUF ARGUMENT FOR FAO
00CD 136 OUTBUF_FAL30: ; OUTBUF ARGUMENT FOR FAOL
00CD 137 OUTBUF_FAL30: ; OUTBUF ARGUMENT FOR FAOL
00CD 138 ; OUTBUF ARGUMENT FOR FAOL

```

```

00000000 140 .PSECT SATS_ACCVIO_1,RD,WRT,NOEXE,PAGE
00000200 0000 141 EMPTY: .BLKB 512 ; RESERVE A PAGE OF SPACE
          0200 142 :
          0200 143 : +
          0200 144 : *****
          0200 145 : *
          0200 146 : * THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL. *
          0200 147 : * DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS *
          0200 148 : * FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE *
          0200 149 : * OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS). *
          0200 150 : *
          0200 151 : *****
          0200 152 : -
          0200 153 :
          0200 154 : TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
000001F3 0200 155 = - 13 ; ALLOW ROOM FOR STRING DESCRIPTOR
          01F3 156 : TYPE AAAAA_SSSX5 GO HERE:
00000006 01F3 157 .LONG 6 ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
000001FB' 01F7 158 .ADDRESS +4 ; STRING ADDRESS
          01FB 159 : TYPE AAAAA_SSSX3 GO HERE:
000001FC 01FB 160 .BLKB 1 ; LOW-ORDER BYTE OF STRING LENGTH
          01FC 161 : TYPE AAAAA_SSSX2 GO HERE:
00000200 01FC 162 .BLKL 1 ; STRING LENGTH
          0200 163 :
          0200 164 :
          0200 165 :
          0200 166 :
00000000 167 .PSECT SATS_ACCVIO_2,RD,WRT,NOEXE,PAGE
00000200 0000 168 NOACCESS: .BLKB 512 ; RESERVE A PAGE OF SPACE
00000000 0200 169 : - 512 ; RETURN LOC CTR TO BEGINNING OF PSECT
00000000' 0000 170 .ADDRESS EMPTY ; ADDRESS OF ACCESSIBLE STRING
00000000' 0004 171 .ADDRESS EMPTY/^X100 ; ADDRESS OF ACCESSIBLE STRING
          0008 172 : +
          0008 173 : *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
          0008 174 : *** THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
          0008 175 : *** FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
          0008 176 : *** CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
          0008 177 : -
          0008 178 :
          0008 179 MSGBUF_SNE11: STRING I,<SFSNE11> ; MSGBUF ARGUMENT FOR SNDERR
          0017 180 :
          0017 181 :
          0017 182 :
00000000 183 .PSECT SATSSF16,RD,WRT,EXE, LONG

```



```

0000 185      .SBTTL  SATSSF16
0000 186      :++
0000 187      : FUNCTIONAL DESCRIPTION:
0000 188      :
0000 189      :         AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000 190      : PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000 191      : THE SATSSF16 ROUTINE EXECUTES THE TEST SERV EXEC MACRO TO RUN
0000 192      : ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF16
0000 193      : PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000 194      : OPERATING SYSTEM. TEST SERV EXEC CALLS THE TC CONTROL/TESTSERV
0000 195      : CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000 196      : CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000 197      : ITS TEST CASES WITH A TC GROUP MACRO BEFORE THE FIRST TEST CASE
0000 198      : AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000 199      : ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000 200      : NEXT TEST CASE MACRO. TC CONTROL/TESTSERV EXECUTES THE CODE
0000 201      : FOLLOWING EACH NEXT TEST CASE MACRO IMMEDIATELY BEFORE ISSUING
0000 202      : THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC CONTROL/
0000 203      : TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000 204      : TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000 205      : MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000 206      : NEXT TEST CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000 207      : FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000 208      : BY THE PREVIOUS TEST CASE.
0000 209      :
0000 210      : CALLING SEQUENCE:
0000 211      :
0000 212      :     $ RUN SATSSF16 ... (DCL COMMAND)
0000 213      :
0000 214      : INPUT PARAMETERS:
0000 215      :
0000 216      :     NONE
0000 217      :
0000 218      : IMPLICIT INPUTS:
0000 219      :
0000 220      :     NONE
0000 221      :
0000 222      : OUTPUT PARAMETERS:
0000 223      :
0000 224      :     NONE
0000 225      :
0000 226      : IMPLICIT OUTPUTS:
0000 227      :
0000 228      :     MESSAGES TO SYS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF16.
0000 229      :     THEY ARE OF THE FORM:
0000 230      :
0000 231      :     %UETP-S-SATSMS, TEST MODULE SATSSF16 BEGUN ... (BEGIN MSG)
0000 232      :     %UETP-S-SATSMS, TEST MODULE SATSSF16 SUCCESSFUL ... (END MSG)
0000 233      :     %UETP-E-SATSMS, TEST MODULE SATSSF16 FAILED ... (END MSG)
0000 234      :     %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 235      :
0000 236      : COMPLETION CODES:
0000 237      :
0000 238      :     THE SATSSF16 ROUTINE TERMINATES WITH A $EXIT TO THE
0000 239      :     OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETP$_SATSMS.
0000 240      :
0000 241      : SIDE EFFECTS:

```

```

0000 242 :
0000 243 : NONE
0000 244 :
0000 245 :--
0000 246 :
0000 247 :
0000 248 :
0000 249 SATSSF16:
OFFC 0000 250 .WORD ^M<R2,R3,<4,R5,R6,R7,R8,R9,R10,R11>
0002 251 : ENTRY MASK
0002 252 $WAKE S TPID : GET PID OF THIS PROCESS
0011 253 $HIBER S : UNDO WAKE
0018 254 $SETPRN_S TEST MOD NAME_D : SET PROCESS NAME
0025 255 BSBW MOD MSG PRINT : PRINT TEST MODULE BEGIN MSG
0028 256 MOVAL TEST MOD_SUCC,TMD ADDR : ASSUME END MSG WILL SHOW SUCCESS
0033 257 INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS
003C 258 MODE TO,10$,KRNL,NOREGS : KERNEL MODE TO ACCESS PHD
0059 259 MOVL @#CTL$GL PHD,R9 : GET PROCESS HEADER ADDRESS
0060 260 MOVAL PHD$Q PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS
0067 261 MODE FROM,T0$ : GET BACK TO USER MODE
0068 262 PRIV ADD,ALL : GET ALL PRIVILEGES
0088 263 DISPSERV : SET UP DISPLAY INFO FOR TESTSERV
021D 264 $SETPRT_S INADR=INADR, RETADR=RETADR, -
021D 265 PROT=PROT, PRVPRT=PRVPRT
023E 266 : SET NOACCESS PSECT
023E 267 : ... FOR NO USER ACCESS
0788 31 023E 268 BRW EXECUTE : GO EXECUTE ALL TEST CASES
0241 269 :
0241 270 TC_GROUP FA0,1,TS1
0268 271 :
0268 272 NEXT_TEST_CASE SFFA010

```

```
0268 273 :  
0268 274 :++  
0268 275 :*****  
0268 276 :*  
0268 277 :* TEST CASE NAME: SFFA010  
0268 278 :*  
0268 279 :* SYSTEM SERVICE: FAO  
0268 280 :*  
0268 281 :* ARGUMENT UNDER TEST: CTRSTR_FA010  
0268 282 :*  
0268 283 :* INPUT CONDITIONS:  
0268 284 :* INVALID DIRECTIVE IN FAO CONTROL STRING  
0268 285 :*  
0268 286 :* EXPECTED RESULTS:  
0268 287 :* 1) SYSTEM STATUS CODE: BADPARAM  
0268 288 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0268 289 :*  
0268 290 :*****  
0268 291 :--  
0268 292 :  
0268 293 :  
0268 294 : NEXT_TEST_CASE SFFA030
```

```
0274 295 :  
0274 296 :++  
0274 297 :*****  
0274 298 :*  
0274 299 :* TEST CASE NAME: SFFA030  
0274 300 :*  
0274 301 :* SYSTEM SERVICE: FAO  
0274 302 :*  
0274 303 :* ARGUMENT UNDER TEST: OUTBUF_FA030  
0274 304 :*  
0274 305 :* INPUT CONDITIONS:  
0274 306 :* OUTPUT BUFFER (LENGTH 1) TOO SHORT FOR  
0274 307 :* INCOMING DATA.  
0274 308 :*  
0274 309 :* EXPECTED RESULTS:  
0274 310 :* 1) SYSTEM STATUS CODE: BUFFEROVF  
0274 311 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0274 312 :*  
0274 313 :*****  
0274 314 :--  
0274 315 :  
0274 316 :  
0274 317 : TCEND
```

0275	318	:		
0275	319	:	TC_GROUP	FAL,1,TS2
029C	320	:		
029C	321	:	NEXT_TEST_CASE	SFFAL10

```
029C 322 :  
029C 323 :++  
029C 324 :*****  
029C 325 :*  
029C 326 :* TEST CASE NAME: SFFAL10  
029C 327 :*  
029C 328 :* SYSTEM SERVICE: FAOL  
029C 329 :*  
029C 330 :* ARGUMENT UNDER TEST: CTRSTR_FAL10  
029C 331 :*  
029C 332 :* INPUT CONDITIONS:  
029C 333 :* INVALID DIRECTIVE IN FAO CONTROL STRING  
029C 334 :*  
029C 335 :* EXPECTED RESULTS:  
029C 336 :* 1) SYSTEM STATUS CODE: BADPARAM  
029C 337 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
029C 338 :*  
029C 339 :*****  
029C 340 :--  
029C 341 :  
029C 342 :  
029C 343 : NEXT_TEST_CASE SFFAL30
```

```
02A8 344 :  
02A8 345 :++  
02A8 346 :*****  
02A8 347 :*  
02A8 348 :* TEST CASE NAME: SFFAL30  
02A8 349 :*  
02A8 350 :* SYSTEM SERVICE: FAOL  
02A8 351 :*  
02A8 352 :* ARGUMENT UNDER TEST: OUTBUF_FAL30  
02A8 353 :*  
02A8 354 :* INPUT CONDITIONS:  
02A8 355 :* OUTPUT BUFFER (LENGTH 1) TOO SHORT FOR  
02A8 356 :* INCOMING DATA.  
02A8 357 :*  
02A8 358 :* EXPECTED RESULTS:  
02A8 359 :* 1) SYSTEM STATUS CODE: BUFFEROVF  
02A8 360 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
02A8 361 :*  
02A8 362 :*****  
02A8 363 :--  
02A8 364 :  
02A8 365 :  
02A8 366 : TCEND
```

SATSSF16
V04-000

02A9	367	:		
02A9	368	:	TC_GROUP	SNE.1,TS3
02D0	369	:		
02D0	370	:	NEXT_TEST_CASE	SFSNE10

SAT
Sym
SSS
SSS
SSS
SSA
SSA
SSA
SSC
SSD
SSE
SSE
SSI
SSM
SSP
SSS
SST
SST
SST
CHM
CHM
CLE
CLO
COU
CTL
CTR
CTR
CTR
CTR
CTR
CUR
EMP
ERR
ERR
EXE
GRP
INA
INF
LIB
MEX
MOD
MOD
MSG
MSG
MSG
MY
NAR
NOA
NSS
ONE
OUT
OUT
OUT
OUT
OUT
OUT
OUT
OUT


```

02D0 371 :
02D0 372 :++
02D0 373 :*****
02D0 374 :*
02D0 375 :* TEST CASE NAME: SFSNE10
02D0 376 :*
02D0 377 :* SYSTEM SERVICE: SNDERR
02D0 378 :*
02D0 379 :* ARGUMENT UNDER TEST: MSGBUF_SNE10
02D0 380 :*
02D0 381 :* INPUT CONDITIONS:
02D0 382 :* USER DOES NOT HAVE THE PRIVILEGE TO SEND A
02D0 383 :* MESSAGE TO THE ERROR LOGGER.
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 : PRIV REM,BUGCHK ; REMOVE BUGCHK PRIVILEGE
02F0 393 :
02F0 394 : NEXT_TEST_CASE SFSNE11

```

SAT
Sym

TS2
TS3
TS
TTR
UET
UET
WAR

PSE

SAB
ROD
RWD
SAT
SAT
SAT

Pha

Ini
Com
Pas
Sym
Pas
Sym
Pse
Cro
Ass

The
807
The
666
61

Mac

-S2
-S2
-S2
TOT

121

```
02FC 395 :  
02FC 396 :++  
02FC 397 :*****  
02FC 398 :*  
02FC 399 :* TEST CASE NAME: SFSNE11  
02FC 400 :*  
02FC 401 :* SYSTEM SERVICE: SN'ERR  
02FC 402 :*  
02FC 403 :* ARGUMENT UNDER TEST: MSGBUF_SNE11  
02FC 404 :*  
02FC 405 :* INPUT CONDITIONS:  
02FC 406 :* MESSAGE BUFFER DESCRIPTOR IN NON-ACCESSIBLE PSECT.  
02FC 407 :*  
02FC 408 :* EXPECTED RESULTS:  
02FC 409 :* 1) SYSTEM STATUS CODE: ACCVIO  
02FC 410 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
02FC 411 :*  
02FC 412 :*****  
02FC 413 :--  
02FC 414 :  
02FC 415 : PRIV ADD,BUGCHK ; RE-ACQUIRE PRIVILEGE REMOVED BY SFSNE10  
031C 416 :  
031C 417 : TCEND
```

```
031D 418 TS1:
031D 419 TESTSERV      FAO,ERR,SATS,      -
031D 420
031D 421 <1,CTRSTR_FAO,
031D 422          CTRSTR_FAO10,BADPARAM, - ; SFFAO10
031D 423          >,
031D 424
031D 425 <1,OUTLEN_FAO,
031D 426          >,
031D 427
031D 428 <1,OUTBUF_FAO,
031D 429          OUTBUF_FAO30,BUFFEROVF, - ; SFFAO30
031D 430          >,
031D 431
031D 432 <1,P1_FAO,
031D 433          >,
031D 434
031D 435 <1,P2_FAO,
031D 436          >,
031D 437
062A 438 TS_CLEANUP          ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
064A 439 TS2:
064A 440 TESTSERV FAOL,ERR,SATS, -
064A 441
064A 442 <1,CTRSTR_FAL, -
064A 443 CTRSTR_FAL10,BADPARAM, - ; SFFAL10
064A 444 >, -
064A 445
064A 446 <1,OUTLEN_FAL, -
064A 447 >, -
064A 448
064A 449 <1,OUTBUF_FAL, -
064A 450 OUTBUF_FAL30,BUFFEROVF, - ; SFFAL30
064A 451 >, -
064A 452
064A 453 <1,PRMLST_FAL, -
064A 454 >, -
064A 455
08BE 456 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
08DE 457 TS3:
08DE 458 TESTSERV SNDERR,ERR,SATS, -
08DE 459 - -
08DE 460 <1,MSGBUF_SNE, -
08DE 461 MSGBUF_SNE10,NOPRIV, - ; SFSNE10
08DE 462 MSGBUF_SNE11,ACCVIO, - ; SFSNE11
08DE 463 >, -
08DE 464
09A9 465 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
00000044'EF 01 1C 0138 30 09C9 466 .SBTTL EXECUTE & CLEANUP
09C9 467 EXECUTE:
09C9 468 TEST_SERV_EXEC ; EXECUTE ALL T. CASES IN ALL GROUPS
09E7 469 CLEANUP:
09E7 470 BSBW MOD_MSG_PRINT ; PRINT TEST MODULE END MSG
09EA 471 INSV #1,STSSV_INHIB_MSG,#1,MOD_MSG_CODE ; INHIBIT PRINTING
09F3 472 ; INHIBIT PRINTING
09F3 473 $EXIT,S MOD_MSG_CODE ; EXIT TO OP SYS WITH MSG CODE
```

```
0A00 475      .SBTTL TC_CONTROL
0A00 476      :++
0A00 477      : FUNCTIONAL DESCRIPTION:
0A00 478      :
0A00 479      :           THE TC CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
0A00 480      : MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
0A00 481      : MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV_MACRO.
0A00 482      : TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
0A00 483      : STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
0A00 484      : SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
0A00 485      : DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC CONTROL USES A
0A00 486      : CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV_MACRO
0A00 487      : IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
0A00 488      : TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
0A00 489      : THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE.
0A00 490      : THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED
0A00 491      : STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
0A00 492      : IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC_CONTROL)
0A00 493      : RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP_MACRO)
0A00 494      : FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC_CONTROL WHICH
0A00 495      : IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
0A00 496      : TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
0A00 497      :
0A00 498      : CALLING SEQUENCE:
0A00 499      :
0A00 500      :           BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC_MACRO)
0A00 501      :           (RSB IS ISSUED WITHIN THE TS_CLEANUP_MACRO)
0A00 502      :
0A00 503      : INPUT PARAMETERS:
0A00 504      :
0A00 505      :           NONE
0A00 506      :
0A00 507      : IMPLICIT INPUTS:
0A00 508      :
0A00 509      :           ARGUMENTS SPECIFIED ON EACH TESTSERV_MACRO MAY BE VIEWED AS
0A00 510      :           INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.
0A00 511      :
0A00 512      : OUTPUT PARAMETERS:
0A00 513      :
0A00 514      :           SEVERITY CODE FIELD OF MOD_MSG_CODE (BITS 0,1,2) IS SET TO ERROR
0A00 515      :           IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
0A00 516      :           SET TO SUCCESSFUL.
0A00 517      :
0A00 518      : IMPLICIT OUTPUTS:
0A00 519      :
0A00 520      :           %UETP-I-TEXT, ERROR MESSAGES ARE WRITTEN TO SYS$OUTPUT BY
0A00 521      :           THE TESTSERV_MACRO (CO-ROUTINE WITH TC_CONTROL)
0A00 522      :
0A00 523      : COMPLETION CODES:
0A00 524      :
0A00 525      :           NONE
0A00 526      :
0A00 527      : SIDE EFFECTS:
0A00 528      :
0A00 529      :           NONE
0A00 530      :
0A00 531      :--
```

```

00000064'EF DD 0A00 532
9E 16 0A00 533
00000056'EF 20 90 0A00 534
002F 30 0A00 535 TC_CONTROL:
00000004'FF 16 0A06 536 PUSHL TS EP
0037 30 0A08 537 JSB @ (SP)+
9E 16 0A08 538 10$: MOVB #^A/ /, $$TSTN$$+2
0042 30 0A0F 539 BSBW REG SAVE
9E 16 0A12 540 JSB @CURRENT_IC
2A 91 0A18 541 BSBW REG REST-
00000056'EF 2A 91 0A18 542 JSB @ (SP)+
DD 12 0A1D 543 BSBW REG_COMP
00000060'EF 00000088'EF DE 0A20 544 JSB @ (SP)+
00000044'EF 03 00 02 FO 0A22 545 CMPB #^A/*/, $$TSTN$$+2
C7 11 0A29 546 BNEQU 10$
0A2B 547 MOVAL TEST_MOD_FAIL,TMD_ADDR
0A36 548 INSV #ERROR,#0,#3,MOD_MSG_CODE
0A3F 549 BRB 10$
0A41 550
0A41 551
0A41 552
0A41 553
0A41 554

```

TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)


```

0A41 556 .SBTTL SUBROUTINES
0A41 557 REG_SAVE:
0A41 558 :
0A41 559 :*****
0A41 560 :*
0A41 561 :* SAVES R0 THRU SP IN REG_SAVE_AREA
0A41 562 :*
0A41 563 :*****
0A41 564 :
0A41 565 PUSHR #R0_THRU_SP ; SAVE ALL REGS ON STACK
0A45 566 MOVCL #60,(SP),REG_SAVE_AREA ; SAVE REGS (BEFORE S.S.)
0A4D 567 POPR #R0_THRU_SP ; CLEAN UP STACK
0A51 568 RSB ; .... AND RETURN
0A52 569 :
0A52 570 :
0A52 571 :
0A52 572 :
0A52 573 REG_REST:
0A52 574 :
0A52 575 :
0A52 576 :*****
0A52 577 :*
0A52 578 :* RESTORES R0 THRU SP FROM REG_SAVE_AREA
0A52 579 :*
0A52 580 :*****
0A52 581 :
0A52 582 SUBL2 #60,SP ; MOVE SP TO MAKE ROOM FOR REGS
0A55 583 MOVCL #60,REG_SAVE_AREA,(SP) ; MOVE REGS ONTO STACK FOR POP
0A5D 584 POPR #R0_THRU_SP ; RESTORE ALL REGS FOR TESTSERV
0A61 585 RSB ; ... AND RETURN

```

00000008'EF
7FFF 8F
6E 3C
7FFF 8F

BB
28
BA
05

6E 00000008'EF
5E 3C
7FFF 8F

C2
28
BA
05

49
21
6E
70
2E
74
4C
41
74
20
64
58
72
6E
2E
77
73
61
61
61
63
63
69
65
64
74
6C

```

0A62 587 REG_COMP:
0A62 588 :
0A62 589 : *****
0A62 590 : *
0A62 591 : * 1) PUSHES ALL REGS ONTO STACK *
0A62 592 : * 2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING *
0A62 593 : * IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED *
0A62 594 : * IN REG_COMP_MASK. *
0A62 595 : * 3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED *
0A62 596 : * (USING $FAO AND $OUTPUT SYSTEM SERVICES). *
0A62 597 : * 4) POPS ALL REGS OFF OF STACK *
0A62 598 :
0A62 599 : *****
0A62 600 :
56 7FFF 8F BB 0A62 601 : PUSHR #R0_THRU_SP : SAVE ALL REGISTERS ON STACK
00000008'EF DE 0A66 602 : MOVAL REG_SAVE_AREA,R6 : POINT R6 TO BEG OF
54 5E D0 0A6D 603 : : REGS (BEFORE S.S.)
84 86 D1 0A7E 604 : MOVL SP,R4 : POINT R4 TO BEG OF
53 FF 8F 98 0A70 605 : : REGS (AFTER S.S.)
53 53 D6 0A74 606 : CVTBL #-1,R3 : INITIALIZE REG_COMP_MASK INDEX
03 0F 91 0A76 607 REG_COMP_NEXT: INCL R3 : POINT TO NEXT BIT IN MASK
009F 31 0A79 608 : CMPB #15,R3 : END OF THE MASK ?
84 86 D1 0A7E 609 : BGTRU REG_COMP_CONT : NO -- CONTINUE
E9 00000000'EF 53 E1 0A83 610 : BRW REG_COMP_RSB : YES -- GO TO COMMON RETURN
00000048'EF 53 D0 0A8B 611 REG_COMP_CONT: CMPL (R6)+,(R4)+ : REG BEFORE = REG AFTER ?
0000004C'EF FC A6 D0 0A92 612 : BEQLU REG_COMP_NEXT : YES -- LOOK FOR NEXT REG
00000050'EF FC A4 D0 0A9A 613 : BBC R3,REG_COMP_MASK,REG_COMP_NEXT : NO -- GET NEXT IF BIT NOT SET
00000056'EF 2A 90 0AA2 614 : MOVL R3,CLOB_REG_NO : NO -- GIVE REG NUMBER TO FAO
00000060'EF 03 00 02 F0 0B11 615 : MOVL -4(R6),REG_BEFORE_SS : GIVE 'BEFORE' CONTENTS TO FAO
00000044'EF 03 00 02 F0 0B11 616 : MOVL -4(R4),REG_AFTER_SS : GIVE 'AFTER' CONTENTS TO FAO
00000056'EF 03 00 02 F0 0B11 617 : MOVB #^A/^/, $$TSTN$$+2 : GIVE FAILURE INDIC'N IN ERROR MSG
F631 CF F5FB CF B0 0ADC 621 :
00000056'EF 20 90 0AFF 622 : $FAO_S ERR_MSG FAOCTL,OUTL,OUTD,$$SNAD$$, -
00000060'EF 03 00 02 F0 0B11 623 : $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
00000044'EF 03 00 02 F0 0B11 624 :
00000056'EF 03 00 02 F0 0B11 625 : MOVW OUTL,OUTD : ACTUAL OUTPUT LEN IN STRING DESC'R
00000060'EF 03 00 02 F0 0B11 626 : PUTMSG <#UETPS TEXT,#1,#OUTD> : PRINT THE MSG
00000044'EF 03 00 02 F0 0B11 627 : MOVW #ROUTE-OUTB,OUTD : GET MAX LEN BACK INTO DESCRIPTOR
00000056'EF 03 00 02 F0 0B11 628 : MOVB #^A/ /,$$TSTN$$+2 : REMOVE FAIL INDIC'N FOR NEXT MSG
00000060'EF 03 00 02 F0 0B11 629 : MOVAL TEST_MOD_FAIL,TMD_ADDR : INDICATE FAILED IN END MSG
00000044'EF 03 00 02 F0 0B11 630 : INSV #ERROR,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR ERROR
00000056'EF 03 00 02 F0 0B11 631 : BRW REG_COMP_NEXT : GO LOOK FOR NEXT REG TO COMPARE
7FFF 8F BA 0B1D 632 REG_COMP_RSB: POPR #R0_THRU_SP : CLEAN UP STACK
05 0B21 633 : RSB : RETURN TO CALLER
05 0B21 634 :

```

```
OB22 636 MOD_MSG_PRINT:
OB22 637 :
OB22 638 : *****
OB22 639 : *
OB22 640 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES *
OB22 641 : * (USING THE PUTMSG MACRO). *
OB22 642 : *
OB22 643 : *****
OB22 644 :
05 OB22 645 PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> : PRINT MSG
OB3D 646 RSB ; ...-AND RETURN TO CALLER
OB3E 647 :
OB3E 648 CHMRTN:
OB3E 649 : *****
OB3E 650 : *
OB3E 651 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
OB3E 652 : * A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
OB3E 653 : * BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES
OB3E 654 : * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
OB3E 655 : * THE EFFECT OF RETURNING TO THE END OF THE MODE
```

```
00000079'FF 0000 17
OB3E 657 : * MACRO EXPANSION.
OB3E 658 : *
OB3E 659 : *****
OB3E 660 :
OB3E 661 : .WORD 0 ; ENTRY MASK
OB40 662 : JMP @CHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
OB46 663 :
OB46 664 : * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
OB46 665 :
OB46 666 : .END SATSSF16
```

SATSSF16
Symbol table

SS\$CHARS	= 00000048		P1-FAO	000000DF	R	02
SS\$FIRSTC\$\$\$	= 00000000		P2-FAG	000000FA	R	02
SS\$STRINGS	= 00000000		PHD\$Q PRIVMSK	= 00000000		
SS\$ACT\$\$	000000F3	R 06	PRIVM\$K	00000071	R	03
SS\$ARG\$\$	000000FB	R 06	PRIV_ARGS	= 00000002		
SS\$ASEQ\$\$	000000EB	R 06	PRMLST_FAL	000000FE	R	02
SS\$CALL\$\$	000000DF	R 06	PROT	000000B1	R	02
SS\$DISP\$\$	000001E6	R 06	PRT\$C-NA	*****	X	02
SS\$ERR\$\$	000001A0	R 06	PRV\$V-BUGCHK	= 00000017		
SS\$EXP\$\$	000000F7	R 06	PRVPRT	00000070	R	03
SS\$INIT\$\$	000000E3	R 06	RO_THRU_SP	= 00007FFF		
SS\$MAXP\$\$	= 00000005		REGS	0000007D	R	03
SS\$PSEQ\$\$	000000EF	R 06	REG_AFTER_SS	00000050	R	03
SS\$SNAD\$\$	000000E7	R 06	REG_BEFORE_SS	0000004C	R	03
SS\$T1	= 00000004		REG_COMP	00000A62	R	06
SS\$T2	= 00000009		REG_COMP_CONT	00000A7E	R	06
SS\$TSTN\$\$	00000054	R 03	REG_COMP_MASK	00000000	R	02
CHMRTN	00000B3E	R 06	REG_COMP_NEXT	00000A74	R	06
CHM_CONT	00000079	R 03	REG_COMP_RSB	00000B1D	R	06
CLEANUP	000009E7	R 06	REG_REST	00000A52	R	06
CLOB_REG_NO	00000048	R 03	REG_SAVE	00000A41	R	06
COUNTED_STR	000000E3	R 02	REG_SAVE_AREA	00000008	R	03
CTL\$GL_PHD	*****	X 06	RETADR	00000068	R	03
CTRSTR_FAL	000000BD	R 02	SATSSF16	00000000	R	06
CTRSTR_FAL10	000000CE	R 02	SEVERE	= 00000004		
CTRSTR_FAO	000000BD	R 02	SHR\$K_SHRDEF	= 00000001		
CTRSTR_FAO10	000000CE	R 02	SHR\$ TEXT	= 00001130		
CURRENT_TC	00000004	R 03	SS\$ ACCVIO	*****	X	06
EMPTY	00000000	R 04	SS\$ BADPARAM	*****	X	06
ERROR	= 00000002		SS\$ BUFFEROVF	*****	X	06
ERR_MSG_FAOCTL	00000002	R 02	SS\$ NOPRIV	*****	X	06
EXECUTE	000009C9	R 06	STS\$V INHIB_MSG	= 0000001C		
GRP_TOTAL	= 00000003		SUCCESS	= 00000001		
INADR	000000A9	R 02	SYSS\$CMKRN	*****	GX	06
INFO	= 00000003		SYSS\$EXIT	*****	GX	06
LIB\$SIGNAL	*****	X 06	SYSS\$FAO	*****	X	06
MEXIT	= 00000000		SYSS\$FAOL	*****	GX	06
MOD_MSG_CODE	00000044	R 03	SYSS\$HIBER	*****	GX	06
MOD_MSG_PRINT	00000B22	R 06	SYSS\$SETPRN	*****	GX	06
MSGBUF_SNE	00000102	R 02	SYSS\$SETPRT	*****	GX	06
MSGBUF_SNE10	00000102	R 02	SYSS\$SETPRV	*****	GX	06
MSGBUF_SNE11	00000008	R 05	SYSS\$NDERR	*****	GX	06
MY_DISK	00000123	R 02	SYSS\$WAKE	*****	GX	06
NARGS	= 00000012		TC1	00000241	R	06
NOACCESS	00000000	R 05	TC2	00000275	R	06
NSSARGS	= 00000001		TC3	000002A9	R	06
ONES	000000B5	R 02	TCG_NO	= 00000003		
OUTB	0000011C	R 06	TC_CONTROL	00000A00	R	06
OUTBUF_FAL	00000093	R 03	TEST_MOD_BEG	00000077	R	02
OUTBUF_FAL30	000000CD	R 03	TEST_MOD_FAIL	00000088	R	02
OUTBUF_FAO	00000093	R 03	TEST_MOD_NAME	0000006E	R	02
OUTBUF_FAO30	000000CD	R 03	TEST_MOD_NAME_D	0000008F	R	02
OUTD	00000114	R 06	TEST_MOD_SUCC_D	0000007D	R	02
OUTE	000001A0	R 06	TMD_ADDR	00000060	R	03
OUTL	000000DB	R 06	TMN_ADDR	0000005C	R	03
OUTLEN_FAL	00000091	R 03	TPID	00000000	R	03
OUTLEN_FAO	00000091	R 03	TS1	0000031D	R	06

54

53

31

4F

```

TS2      0000064A R    06
TS3      000008DE R    06
TS_EP    00000064 R    03
TTNAME   0000009F 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	00000133 (307.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	000000D6 (214.)	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
SATSSF16	00000846 (2886.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.06	00:00:00.30
Command processing	112	00:00:00.65	00:00:01.84
Pass 1	395	00:00:15.21	00:00:23.43
Symbol table sort	0	00:00:01.06	00:00:01.09
Pass 2	141	00:00:03.45	00:00:04.32
Symbol table output	16	00:00:00.09	00:00:00.11
Psect synopsis output	3	00:00:00.03	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	699	00:00:20.55	00:00:31.13

The working set limit was 1500 pages.
80713 bytes (158 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 601 non-local and 109 local symbols.
666 source lines were read in Pass 1, producing 28 object records in Pass 2.
61 pages of virtual memory were used to define 45 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	18
TOTALS (all libraries)	39

1216 GETS were required to define 39 macros.

SATSSF16
VAX-11 Macro Run Statistics

- SATS SYSTEM SERVICE TESTS (FAILING ^{L 2}S. 16-SEP-1984 00:43:54 VAX/VMS Macro V04-00
5-SEP-1984 04:29:29 [UETPSY.SRC]SATSSF16.MAR;1

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SAT
V04

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSF16/OBJ=OBJ\$:SATSSF16 MSRC\$:SATSSF16/UPDATE=(ENH\$:SATSSF16)+EXECMLS/LIB+SHRLIB\$:UETP/LIB

0420 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 100 small terminal windows, each showing a different screen from the VAX/VMS system. The screens contain various text-based outputs, including command prompts, error messages, and data listings. Several windows are explicitly labeled with titles such as 'SATSSF12 LIS', 'SATSSF13 LIS', 'SATSSF14 LIS', 'SATSSF15 LIS', and 'SATSSF16 LIS'. The overall appearance is that of a multi-user terminal session or a system diagnostic screen.

The image displays a grid of 15 columns and 15 rows of small, illegible text fragments. These fragments appear to be individual data records or document pages, possibly from a database or a series of reports. The text is too small to read clearly, but some fragments are more legible than others, showing headers and data fields. For example, some fragments contain the text "SATSSS01 LIS", "SATSSS05 LIS", "SATSSS07 LIS", "SATSSS08 LIS", and "SATSSS22 LIS". The overall appearance is that of a dense, multi-page document or a large data table.