```
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP        SSSSSSSSSSS  YYY          YYY
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP        SSSSSSSSSSS  YYY          YYY
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP        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  EEEEEEEEEEEE           TTT        PPPPPPPPPPPP       SSSSSSSSS              YYY
UUU          UUU  EEEEEEEEEEEE           TTT        PPPPPPPPPPPP       SSSSSSSSS              YYY
UUU          UUU  EEEEEEEEEEEE           TTT        PPPPPPPPPPPP       SSSSSSSSS              YYY
UUU          UUU  EEE                    TTT        PPP                        SSS              YYY
UUU          UUU  EEE                    TTT        PPP                        SSS              YYY
UUU          UUU  EEE                    TTT        PPP                        SSS              YYY
UUU          UUU  EEE                    TTT        PPP                        SSS              YYY
UUU          UUU  EEE                    TTT        PPP                        SSS              YYY
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE        TTT        PPP                SSSSSSSSSSS              YYY
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE        TTT        PPP                SSSSSSSSSSS              YYY
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE        TTT        PPP                SSSSSSSSSSS              YYY
```

```
  SSSSSSSS    AAAAAA    TTTTTTTTTT    SSSSSSSS    SSSSSSSS  FFFFFFFFFF      11        333333
  SSSSSSSS    AAAAAA    TTTTTTTTTT    SSSSSSSS    SSSSSSSS  FFFFFFFFFF      11        333333
SS           AA      AA      TT      SS          SS          FF          1111      33      33
SS           AA      AA      TT      SS          SS          FF          1111      33      33
SS           AA      AA      TT      SS          SS          FF            11              33
SS           AA      AA      TT      SS          SS          FF            11              33
  SSSSSS     AA      AA      TT        SSSSSS      SSSSSS    FFFFFFFF      11            33
  SSSSSS     AA      AA      TT        SSSSSS      SSSSSS    FFFFFFFF      11            33
        SS   AAAAAAAAAA      TT              SS          SS  FF            11              33
        SS   AAAAAAAAAA      TT              SS          SS  FF            11              33
        SS   AA      AA      TT              SS          SS  FF            11      33      33      ....
        SS   AA      AA      TT              SS          SS  FF            11      33      33      ....
SSSSSSSS     AA      AA      TT      SSSSSSSS    SSSSSSSS    FF          111111      333333        ....
SSSSSSSS     AA      AA      TT      SSSSSSSS    SSSSSSSS    FF          111111      333333        ....

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
```

Table of contents

```
0000     1          .TITLE  SATSSF13 - SATS SYSTEM SERVICE TESTS  (FAILING S.C.)
0000     2          .IDENT  'V04-000'
0000     3
0000     4  ;
0000     5  ;**********************************************************************
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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 SATSSF13 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>
00000000             0000     79 INADR_CVA12      = 0                             ; INADR ARG FOR CRETVA (LOCATION 0)
00000001             0000     80 RETADR_CVA20     = 1                             ; RETADR ARG FOR CRETVA (LOCATION 1)
00000000             0000     81 INADR_DVA12      = 0                             ; INADR ARG FOR DELTVA (LOCATION 0)
00000001             0000     82 RETADR_DVA20     = 1                             ; RETADR ARG FOR DELTVA (LOCATION 1)
00000000             0000     83 INADR_PWS10      = 0                             ; INADR ARG FOR PURGWS (LOCATION 0)
00000001             0000     84 WSETLM_AWS20     = 1                             ; WSETLM ARG FOR ADJWSL (LOCATION 1)
                     0000     85 ;
                     0000     86 ; OWN STORAGE:
                     0000     87 ;
```

```
                    00000000     89          .PSECT  RODATA,RD,NOWRT,NOEXE,LONG
                  BFFC  0000     90 REG_COMP_MASK:  .WORD   ^M<R2,R3,R4,R5 R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
                        0002     91                                          ; REG COMPARE MASK (HIGH-ORDER ...
                        0002     92                                          ; ... BIT MUST BE ON
                        0002     93 ERR_MSG_FAOCTL: STRING  I,<!/!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
                        0002     94                 <;  BEFORE SERVICE CALL: !8XL   AFTER SERVICE CALL: !8XL>
                        006E     95 TEST_MOD_NAME:  STRING  C,<SATSSF13>     ; TEST MODULE NAME
                        0077     96 TEST_MOD_BEG:   STRING  C,<begun>        ; DISPOSITION FIELD OF TEST MOD MSG
                        007D     97 TEST_MOD_SUCC:  STRING  C,<successful>   ; DISPOSITION FIELD OF TEST MOD MSG
                        0088     98 TEST_MOD_FAIL:  STRING  C,<failed>       ; DISPOSITION FIELD OF TEST MOD MSG
                        008F     99 TEST_MOD_NAME_D: STRING I,<SATSSF13>     ; TEST MODULE NAME DESCRIPTOR
                        009F    100 TTNAME:         STRING  I,<TT>          ; TERMINAL LOGICAL NAME
00000000'00000000'      00A9    101 INADR:          .LONG   NOACCESS,NOACCESS ; PAGE ADDRESS OF NOACCESS PSECT
          00000000'     00B1    102 PROT:           .LONG   PRT$C_NA        ; PROTECTION CODE FOR NOACCESS PSECT
FFFFFFFF FFFFFFFF       00B5    103 ONES:           .LONG   -1,-1           ; A QUADWORD OF 1-BITS
                        00BD    104 INADR_CVA10:                            ; INADR ARGUMENT FOR CRETVA
                        00BD    105 INADR_DVA10:                            ; INADR ARGUMENT FOR DELTVA
          80000000'     00BD    106                 .ADDRESS ^X80000000     ; .......
          8F000000'     00C1    107                 .ADDRESS ^X8F000000     ; .......
          000000CD      00C5    108 RETADR_CVA21:   .BLKL   2               ; RETADR ARGUMENT FOR CRETVA
          000000D5      00CD    109 RETADR_DVA21:   .BLKL   2               ; RETADR ARGUMENT FOR DELTVA
                        00D5    110 ACMODE_CVA:                             ; ACMODE ARGUMENT FOR CRETVA
                        00D5    111 ACMODE_DVA:                             ; ACMODE ARGUMENT FOR DELTVA
          00000003      00D5    112                 .LONG   PSL$C_USER
00000000'00000000'      00D9    113 INADR_PWS:      .ADDRESS 0,0            ; INADR ARGUMENT FOR PURGWS
          00000001      00E1    114 PAGCNT_AWS:     .LONG   1               ; PAGCNT ARGUMENT FOR ADJWSL
          000000E9      00E5    115 WSETLM_AWS21:   .BLKL   1               ; WSETLM ARGUMENT FOR ADJWSL
```

```
                00000000    117          .PSECT  RWDATA,RD,WRT,NOEXE
00000004  0000  00000000    118 TPID:            .BLKL   1               ; PROCESS ID FOR THIS PROCESS
00000008  0004  00000000    119 CURRENT_TC:      .BLKL   1               ; PTR TO CURRENT TEST CASE
00000044  0008  00000000    120 REG_SAVE_AREA:   .BLKL   15              ; SAVE AREA FOR ALL REGS (SANS PC)
007480D9  0044  00000000    121 MOD_MSG_CODE:    .LONG   UETP$_SATSMS    ; TEST MODULE MSG CODE FOR PUTMSG
0000004C  0048  00000000    122 CLOB_REG_NO:     .BLKL   1               ; CLOBBERED REG NO (FOR FAO ERR MSG)
00000050  004C  00000000    123 REG_BEFORE_SS:   .BLKL   1               ; REG CONTENTS BEFORE S.S.
                0050        124                                          ; ... (FOR FAO ERROR MSG)
00000054  0050  00000000    125 REG_AFTER_SS:    .BLKL   1               ; REG CONTENTS AFTER S.S.
                0054        126                                          ; ... (FOR FAO ERROR MSG)
                0054        127 $$TSTN$$:        STRING  C,<  SF    >    ; ASCII PORTION OF TEST CASE NAME
0000006E'       005C        128 TMN_ADDR:        .ADDRESS TEST_MOD_NAME  ; ADDR OF TEST MOD NAME FOR FAO
00000077'       0060        129 TMD_ADDR:        .ADDRESS TEST_MOD_BEG   ; ADDR OF T.M. DISP FIELD FOR FAO
00000068  0064  00000000    130 TS_EP:           .BLKL   1               ; ENTRY PNT FOR CURR TESTSERV MACRO
00000070  0068  00000000    131 RETADR:          .BLKL   2               ; RETURN LONGWORDS FOR SETPRT
00000071  0070  00000000    132 PRVPRT:          .BLKB   1               ; PROT RETURN BYTE FOR SETPRT
00000079  0071  00000000    133 PRIVMASK:        .BLKQ   1               ; ADDR OF PRIVILEGE MASK (IN PHD)
0000007D  0079  00000000    134 CHM_CONT:        .BLKL   1               ; CHANGE MODE CONTINUE ADDRESS
00000091  007D  00000000    135 REGS:            .BLKL   5               ; AREA FOR COND INDEX REGS (R2-R6)
00000099  0091  00000000    136 INADR_CVA:       .BLKL   2               ; INADR ARGUMENT FOR CRETVA SERVICE
000000A1  0099  00000000    137 INADR_CVA11:     .BLKL   2               ; INADR ARGUMENT FOR CRETVA SERVICE
000000A9  00A1  00000000    138 RETADR_CVA:      .BLKL   2               ; RETADR ARGUMENT FOR CRETVA SERVICE
000C00B1  00A9  00000000    139 INADR_DVA:       .BLKL   2               ; INADR ARGUMENT FOR DELTVA SERVICE
000000B9  00B1  00000000    140 INADR_DVA11:     .BLKL   2               ; INADR ARGUMENT FOR DELTVA SERVICE
000000C1  00B9  00000000    141 RETADR_DVA:      .BLKL   2               ; RETADR ARGUMENT FOR DELTVA SERVICE
000000C5  00C1  00000000    142 WSETLM_AWS:      .BLKL   1               ; WSETLM ARGUMENT FOR ADJWSL SERVICE
```

```
                                                G 6
      00000000   144          .PSECT  SATS_ACCVIO_1,RD,WRT,NOEXE,PAGE
00000200  0000   145 EMPTY:           .BLKB   512             ; RESERVE A PAGE OF SPACE
          0200   146 ;
          0200   147 ;+
          0200   148 ; ************************************************************************
          0200   149 ; *                                                                      *
          0200   150 ; *     THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL.                *
          0200   151 ; *     DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS                     *
          0200   152 ; *     FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE            *
          0200   153 ; *     OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS).           *
          0200   154 ; *                                                                      *
          0200   155 ; ************************************************************************
          0200   156 ;-
          0200   157 ;
          0200   158 ; TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
000001F9  0200   159 INADR_CVA14     = . - 7                 ; INADR ARGUMENT FOR CRETVA
000001F9  0200   160 RETADR_CVA22    = . - 7                 ; RETADR ARGUMENT FOR CRETVA
000001F9  0200   161 INADR_DVA14     = . - 7                 ; INADR ARGUMENT FOR DELTVA
000001F9  0200   162 RETADR_DVA22    = . - 7                 ; RETADR ARGUMENT FOR DELTVA
000001F9  0200   163 INADR_PWS12     = . - 7                 ; INADR ARGUMENT FOR PURGWS
000001FF  0200   164 WSETLM_AWS22    = . - 1                 ; WSETLM ARG FOR ADJWSL (LAST BYTE IN PAGE)
000001F3  0200   165                 . = . - 13              ; ALLOW ROOM FOR STRING DESCRIPTOR
          01F3   166 ; TYPE AAAAA_SSSX5 GO HERE:
00000006  01F3   167                 .LONG   6               ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
000001FB' 01F7   168                 .ADDRESS .+4            ; STRING ADDRESS
          01FB   169 ; TYPE AAAAA_SSSX3 GO HERE:
000001FC  01FB   170                 .BLKB   1               ; LOW-ORDER BYTE OF STRING LENGTH
          01FC   171 ; TYPE AAAAA_SSSX2 GO HERE:
00000200  01FC   172                 .BLKL   1               ; STRING LENGTH
          0200   173 ;
          0200   174 ;
          0200   175 ;
          0200   176 ;
      00000000   177          .PSECT  SATS_ACCVIO_2,RD,WRT,NOEXE,PAGE
00000200  0000   178 NOACCESS:       .BLKB   512             ; RESERVE A PAGE OF SPACE
00000000  0200   179                 . = . - 512             ; RETURN LOC CTR TO BEGINNING OF PSECT
00000000' 0000   180                 .ADDRESS EMPTY          ; ADDRESS OF ACCESSIBLE STRING
00000000' 0004   181                 .ADDRESS EMPTY/^x100    ; ADDRESS OF ACCESSIBLE STRING
          0008   182 ;+
          0008   183 ; *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
          0008   184 ; ***         THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
          0008   185 ; ***         FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
          0008   186 ; ***         CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
          0008   187 ;-
          0008   188 ;
          0008   189 INADR_CVA13:                              ; INADR ARGUMENT FOR CRETVA
          0008   190 INADR_DVA13:                              ; INADR ARGUMENT FOR DELTVA
          0008   191 INADR_PWS11:                              ; INADR ARGUMENT FOR PURGWS
00000010  0008   192                 .BLKL   2
      00000000   193          .PSECT  SATSSF13,RD,WRT,EXE,LONG
```

```
0000    195          .SBTTL  SATSSF13
0000    196 ;++
0000    197 ; FUNCTIONAL DESCRIPTION:
0000    198 ;
0000    199 ;                   AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000    200 ; PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000    201 ; THE SATSSF13 ROUTINE EXECUTES THE TEST_SERV_EXEC MACRO TO RUN
0000    202 ; ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF13
0000    203 ; PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000    204 ; OPERATING SYSTEM. TEST_SERV_EXEC CALLS THE TC_CONTROL/TESTSERV
0000    205 ; CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000    206 ; CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000    207 ; ITS TEST CASES WITH A TC_GROUP MACRO BEFORE THE FIRST TEST CASE
0000    208 ; AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000    209 ; ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000    210 ; NEXT_TEST_CASE MACRO. TC_CONTROL/TESTSERV EXECUTES THE CODE
0000    211 ; FOLLOWING EACH NEXT_TEST_CASE MACRO IMMEDIATELY BEFORE ISSUING
0000    212 ; THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC_CONTROL/
0000    213 ; TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000    214 ; TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000    215 ; MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000    216 ; NEXT_TEST_CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000    217 ; FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000    218 ; BY THE PREVIOUS TEST CASE.
0000    219 ;
0000    220 ; CALLING SEQUENCE:
0000    221 ;
0000    222 ;       $ RUN SATSSF13  ...  (DCL COMMAND)
0000    223 ;
0000    224 ; INPUT PARAMETERS:
0000    225 ;
0000    226 ;       NONE
0000    227 ;
0000    228 ; IMPLICIT INPUTS:
0000    229 ;
0000    230 ;       NONE
0000    231 ;
0000    232 ; OUTPUT PARAMETERS:
0000    233 ;
0000    234 ;       NONE
0000    235 ;
0000    236 ; IMPLICIT OUTPUTS:
0000    237 ;
0000    238 ;       MESSAGES TO SYS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF13.
0000    239 ;       THEY ARE OF THE FORM:
0000    240 ;
0000    241 ;               %UETP-S-SATSMS, TEST MODULE SATSSF13 BEGUN ... (BEGIN MSG)
0000    242 ;               %UETP-S-SATSMS, TEST MODULE SATSSF13 SUCCESSFUL ... (END MSG)
0000    243 ;               %UETP-E-SATSMS, TEST MODULE SATSSF13 FAILED ... (END MSG)
0000    244 ;               %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000    245 ;
0000    246 ; COMPLETION CODES:
0000    247 ;
0000    248 ;       THE SATSSF13 ROUTINE TERMINATES WITH A $EXIT TO THE
0000    249 ;       OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETP$_SATSMS.
0000    250 ;
0000    251 ; SIDE EFFECTS:
```

```
                        0000   252 ;
                        0000   253 ;       NONE
                        0000   254 ;
                        0000   255 ;--
                        0000   256
                        0000   257
                        0000   258
                        0000   259 SATSSF13:
                   0FFC 0000   260         .WORD   ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
                        0002   261                                         ; ENTRY MASK
                        0002   262         $WAKE_S  TPID                   ; GET PID OF THIS PROCESS
                        0011   263         $HIBER_S                        ; UNDO WAKE
                        0018   264         $SETPRN_S TEST_MOD_NAME_D       ; SET PROCESS NAME
                 0C82   30  0025   265         BSBW    MOD_MSG_PRINT       ; PRINT TEST MODULE BEGIN MSG
 00000060'EF   0000007D'EF  DE  0028   266         MOVAL   TEST_MOD_SUCC,TMD_ADDR ; ASSUME END MSG WILL SHOW SUCCESS
00000044'EF   03   00   01  F0  0033   267         INSV    #SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
                        003C   268         MODE    TO,10$,KRNL,NOREGS      ; KERNEL MODE TO ACCESS PHD
          59   00000000'9F  D0  0059   269         MOVL    @#CTL$GL_PHD,R9     ; GET PROCESS HEADER ADDRESS
          00000071'EF   69  DE  0060   270         MOVAL   PHD$Q_PRIVMSK(R9),PRIVMASK ; GET PRIV MASK ADDRESS
                        0067   271         MODE    FROM,TO$                ; GET BACK TO USER MODE
                        0068   272         PRIV    ADD,ALL                 ; GET ALL PRIVILEGES
                        0088   273         DISPSERV                        ; SET UP DISPLAY INFO FOR TESTSERV
                        021D   274         $SETPRT_S INADR=INADR, RETADR=RETADR, -
                        021D   275                   PROT=PROT, PRVPRT=PRVPRT
                        023E   276                                         ; SET NOACCESS PSECT ...
                        023E   277                                         ; ... FOR NO USER ACCESS
                 0906   31  023E   278         BRW     EXECUTE             ; GO EXECUTE ALL TEST CASES
                        0241   279 ;
                        0241   280         TC_GROUP        CVA,1,TS1
                        0268   281 ;
                        0268   282         NEXT_TEST_CASE  SFCVA10
```

```
0268   283 ;
0268   284 ;++
0268   285 ; ********************************************************
0268   286 ; *
0268   287 ; *  TEST CASE NAME:              SFCVA10
0268   288 ; *
0268   289 ; *  SYSTEM SERVICE:              CRETVA
0268   290 ; *
0268   291 ; *  ARGUMENT UNDER TEST:         INADR_CVA10
0268   292 ; *
0268   293 ; *  INPUT CONDITIONS:
0268   294 ; *     ISSUE CRETVA WITH RANGE OF ADDRESSES IN
0268   295 ; *       SYSTEM SPACE.
0268   296 ; *
0268   297 ; *  EXPECTED RESULTS:
0268   298 ; *     1) SYSTEM STATUS CODE:  NOPRIV
0268   299 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0268   300 ; *
0268   301 ; ********************************************************
0268   302 ;--
0268   303 ;
0268   304 ;
0268   305         NEXT_TEST_CASE  SFCVA11
```

```
                                K 6
0274    306 ;
0274    307 ;++
0274    308 ; *****************************************************
0274    309 ; *
0274    310 ; *  TEST CASE NAME:              SFCVA11
0274    311 ; *
0274    312 ; *  SYSTEM SERVICE:              CRETVA
0274    313 ; *
0274    314 ; *  ARGUMENT UNDER TEST:         INADR_CVA11
0274    315 ; *
0274    316 ; *  INPUT CONDITIONS:
0274    317 ; *     CREATE A PAGE ALREADY OWNED BY EXEC MODE.
0274    318 ; *
0274    319 ; *  EXPECTED RESULTS:
0274    320 ; *     1) SYSTEM STATUS CODE:  PAGOWNVIO
0274    321 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0274    322 ; *
0274    323 ; *****************************************************
0274    324 ;--
0274    325 ;
0274    326         MODE    TO,10$,EXEC,NOREGS      ; GET INTO EXEC MODE FOR EXPREG
0291    327         $EXPREG_S PAGCNT=#1, RETADR=INADR_CVA11
02A4    328                                         ; GET A 1-PAGE REGION OWNED BY EXEC MODE
02A4    329         MODE    FROM,10$                ; BACK TO USER MODE
02A5    330 ;
02A5    331         NEXT_TEST_CASE  SFCVA12
```

```
02B1    332 ;
02B1    333 ;++
02B1    334 ; ******************************************************
02B1    335 ; *
02B1    336 ; *  TEST CASE NAME:              SFCVA12
02B1    337 ; *
02B1    338 ; *  SYSTEM SERVICE:              CRETVA
02B1    339 ; *
02B1    340 ; *  ARGUMENT UNDER TEST:         INADR_CVA12
02B1    341 ; *
02B1    342 ; *  INPUT CONDITIONS:
02B1    343 ; *     INPUT ADDRESS FIELD AT LOCATION 0.
02B1    344 ; *
02B1    345 ; *  EXPECTED RESULTS:
02B1    346 ; *     1) SYSTEM STATUS CODE:  ACCVIO
02B1    347 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
02B1    348 ; *
02B1    349 ; ******************************************************
02B1    350 ;--
02B1    351 ;
02B1    352         MODE    TO,20$,EXEC,NOREGS      ; INTO EXEC MODE FOR CNTREG
02CE    353         $CNTREG_S PAGCNT=#1             ; GIVE BACK PAGE ACQUIRED BY SFCVA11
02DD    354         MODE    FROM,20$                ; BACK TO USER MODE
02DE    355 ;
02DE    356         NEXT_TEST_CASE  SFCVA13
```

```
                                M 6
02EA    357 ;
02EA    358 ;++
02EA    359 ; ******************************************************
02EA    360 ; *
02EA    361 ; *  TEST CASE NAME:            SFCVA13
02EA    362 ; *
02EA    363 ; *  SYSTEM SERVICE:            CRETVA
02EA    364 ; *
02EA    365 ; *  ARGUMENT UNDER TEST:       INADR_CVA13
02EA    366 ; *
02EA    367 ; *  INPUT CONDITIONS:
02EA    368 ; *     INPUT ADDRESS FIELD IN NON-ACCESSIBLE PSECT.
02EA    369 ; *
02EA    370 ; *  EXPECTED RESULTS:
02EA    371 ; *     1) SYSTEM STATUS CODE:  ACCVIO
02EA    372 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
02EA    373 ; *
02EA    374 ; ******************************************************
02EA    375 ;--
02EA    376 ;
02EA    377 ;
02EA    378         NEXT_TEST_CASE  SFCVA14
```

```
                                N 6
02F6    379 ;
02F6    380 ;++
02F6    381 ; ******************************************************
02F6    382 ; *
02F6    383 ; *  TEST CASE NAME:              SFCVA14
02F6    384 ; *
02F6    385 ; *  SYSTEM SERVICE:              CRETVA
02F6    386 ; *
02F6    387 ; *  ARGUMENT UNDER TEST:         INADR_CVA14
02F6    388 ; *
02F5    389 ; *  INPUT CONDITIONS:
02F6    390 ; *     SECOND LONGWORD OF INPUT ADDRESS FIELD BEGINS IN
02F6    391 ; *       ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
02F6    392 ; *
02F6    393 ; *  EXPECTED RESULTS:
02F6    394 ; *     1) SYSTEM STATUS CODE:  ACCVIO
02F6    395 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
02F6    396 ; *
02F6    397 ; ******************************************************
02F6    398 ;--
02F6    399 ;
02F6    400 ;
02F6    401         NEXT_TEST_CASE  SFCVA20
```

```
0302   402 ;
0302   403 ;++
0302   404 ; ******************************************************
0302   405 ; *
0302   406 ; *  TEST CASE NAME:              SFCVA20
0302   407 ; *
0302   408 ; *  SYSTEM SERVICE:              CRETVA
0302   409 ; *
0302   410 ; *  ARGUMENT UNDER TEST:         RETADR_CVA20
0302   411 ; *
0302   412 ; *  INPUT CONDITIONS:
0302   413 ; *     RETURN ADDRESS FIELD AT LOCATION 1.
0302   414 ; *
0302   415 ; *  EXPECTED RESULTS:
0302   416 ; *     1) SYSTEM STATUS CODE:  ACCVIO
0302   417 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0302   418 ; *
0302   419 ; ******************************************************
0302   420 ;--
0302   421 ;
0302   422 ;
0302   423         NEXT_TEST_CASE  SFCVA21
```

```
030E    424 ;
030E    425 ;++
030E    426 ; ******************************************************
030E    427 ; *
030E    428 ; *  TEST CASE NAME:              SFCVA21
030E    429 ; *
030E    430 ; *  SYSTEM SERVICE:              CRETVA
030E    431 ; *
030E    432 ; *  ARGUMENT UNDER TEST:         RETADR_CVA21
030E    433 ; *
030E    434 ; *  INPUT CONDITIONS:
030E    435 ; *     RETURN ADDRESS FIELD IN READ-ONLY PSECT.
030E    436 ; *
030E    437 ; *  EXPECTED RESULTS:
030E    438 ; *     1) SYSTEM STATUS CODE:  ACCVIO
030E    439 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
030E    440 ; *
030E    441 ; ******************************************************
030E    442 ;--
030E    443 ;
030E    444 ;
030E    445         NEXT_TEST_CASE  SFCVA22
```

```
031A   446 ;
031A   447 ;++
031A   448 ; ******************************************************
031A   449 ; *
031A   450 ; *  TEST CASE NAME:              SFCVA22
031A   451 ; *
031A   452 ; *  SYSTEM SERVICE:              CRETVA
031A   453 ; *
031A   454 ; *  ARGUMENT UNDER TEST:         RETADR_CVA22
031A   455 ; *
031A   456 ; *  INPUT CONDITIONS:
031A   457 ; *     SECOND LONGWORD OF RETURN ADDRESS FIELD BEGINS IN
031A   458 ; *       ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
031A   459 ; *
031A   460 ; *  EXPECTED RESULTS:
031A   461 ; *     1) SYSTEM STATUS CODE:  ACCVIO
031A   462 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
031A   463 ; *
031A   464 ; ******************************************************
031A   465 ;--
031A   466 ;
031A   467 ;
031A   468         TCEND
```

```
                        E 7
031B    469 ;
031B    470             TC_GROUP        DVA,1,TS2
0342    471 ;
0342    472             NEXT_TEST_CASE  SFDVA10
```

```
0342   473 ;
0342   474 ;++
0342   475 ; ********************************************************
0342   476 ; *
0342   477 ; *  TEST CASE NAME:            SFDVA10
0342   478 ; *
0342   479 ; *  SYSTEM SERVICE:            DELTVA
0342   480 ; *
0342   481 ; *  ARGUMENT UNDER TEST:       INADR_DVA10
0342   482 ; *
0342   483 ; *  INPUT CONDITIONS:
0342   484 ; *     ISSUE DELTVA WITH RANGE OF ADDRESSES IN
0342   485 ; *       SYSTEM SPACE.
0342   486 ; *
0342   487 ; *  EXPECTED RESULTS:
0342   488 ; *     1) SYSTEM STATUS CODE:  NOPRIV
0342   489 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0342   490 ; *
0342   491 ; ********************************************************
0342   492 ;--
0342   493 ;
0342   494 ;
0342   495         NEXT_TEST_CASE  SFDVA11
```

```
034E    496 ;
034E    497 ;++
034E    498 ; ******************************************************
034E    499 ; *
034E    500 ; *  TEST CASE NAME:              SFDVA11
034E    501 ; *
034E    502 ; *  SYSTEM SERVICE:              DELTVA
034E    503 ; *
034E    504 ; *  ARGUMENT UNDER TEST:         INADR_DVA11
034E    505 ; *
034E    506 ; *  INPUT CONDITIONS:
034E    507 ; *     DELETE A PAGE ALREADY OWNED BY EXEC MODE.
034E    508 ; *
034E    509 ; *  EXPECTED RESULTS:
034E    510 ; *     1) SYSTEM STATUS CODE:  PAGOWNVIO
034E    511 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
034E    512 ; *
034E    513 ; ******************************************************
034E    514 ;--
034E    515 ;
034E    516         MODE    TO,10$,EXEC,NOREGS      ; GET INTO EXEC MODE FOR EXPREG
036B    517         $EXPREG_S PAGCNT=#1, RETADR=INADR_DVA11
037E    518                                         ; GET A 1-PAGE REGION OWNED BY EXEC MODE
037E    519         MODE    FROM,10$                ; BACK TO USER MODE
037F    520 ;
037F    521         NEXT_TEST_CASE  SFDVA12
```

```
038B    522 ;
038B    523 ;++
038B    524 ; ******************************************************
038B    525 ; *
038B    526 ; *  TEST CASE NAME:              SFDVA12
038B    527 ; *
038B    528 ; *  SYSTEM SERVICE:              DELTVA
038B    529 ; *
038B    530 ; *  ARGUMENT UNDER TEST:         INADR_DVA12
038B    531 ; *
038B    532 ; *  INPUT CONDITIONS:
038B    533 ; *     INPUT ADDRESS FIELD AT LOCATION 0.
038B    534 ; *
038B    535 ; *  EXPECTED RESULTS:
038B    536 ; *     1) SYSTEM STATUS CODE:  ACCVIO
038B    537 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
038B    538 ; *
038B    539 ; ******************************************************
038B    540 ;--
038B    541 ;
038B    542         MODE    TO,20$,EXEC,NOREGS      ; INTO EXEC MODE FOR CNTREG
03A8    543         $CNTREG_S PAGCNT=#1             ; GIVE BACK PAGE ACQUIRED BY SFDVA11
03B7    544         MODE    FROM,20$                ; BACK TO USER MODE
03B8    545 ;
03B8    546         NEXT_TEST_CASE  SFDVA13
```

```
                                I 7
03C4    547 ;
03C4    548 ;++
03C4    549 ; ******************************************************
03C4    550 ; *
03C4    551 ; *  TEST CASE NAME:              SFDVA13
03C4    552 ; *
03C4    553 ; *  SYSTEM SERVICE:              DELTVA
03C4    554 ; *
03C4    555 ; *  ARGUMENT UNDER TEST:         INADR_DVA13
03C4    556 ; *
03C4    557 ; *  INPUT CONDITIONS:
03C4    558 ; *     INPUT ADDRESS FIELD IN NON-ACCESSIBLE PSECT.
03C4    559 ; *
03C4    560 ; *  EXPECTED RESULTS:
03C4    561 ; *     1) SYSTEM STATUS CODE:  ACCVIO
03C4    562 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
03C4    563 ; *
03C4    564 ; ******************************************************
03C4    565 ;--
03C4    566 ;
03C4    567 ;
03C4    568         NEXT_TEST_CASE  SFDVA14
```

```
03D0    569 ;
03D0    570 ;++
03D0    571 ; ******************************************************
03D0    572 ; *
03D0    573 ; *  TEST CASE NAME:              SFDVA14
03D0    574 ; *
03D0    575 ; *  SYSTEM SERVICE:              DELTVA
03D0    576 ; *
03D0    577 ; *  ARGUMENT UNDER TEST:         INADR_DVA14
03D0    578 ; *
03D0    579 ; *  INPUT CONDITIONS:
03D0    580 ; *     SECOND LONGWORD OF INPUT ADDRESS FIELD BEGINS IN
03D0    581 ; *       ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
03D0    582 ; *
03D0    583 ; *  EXPECTED RESULTS:
03D0    584 ; *     1) SYSTEM STATUS CODE:  ACCVIO
03D0    585 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
03D0    586 ; *
03D0    587 ; ******************************************************
03D0    588 ;--
03D0    589 ;
03D0    590 ;
03D0    591         NEXT_TEST_CASE  SFDVA20
```

```
03DC    592 ;
03DC    593 ;++
03DC    594 ; ******************************************************
03DC    595 ; *
03DC    596 ; *  TEST CASE NAME:              SFDVA20
03DC    597 ; *
03DC    598 ; *  SYSTEM SERVICE:              DELTVA
03DC    599 ; *
03DC    600 ; *  ARGUMENT UNDER TEST:         RETADR_DVA20
03DC    601 ; *
03DC    602 ; *  INPUT CONDITIONS:
03DC    603 ; *     RETURN ADDRESS FIELD AT LOCATION 1.
03DC    604 ; *
03DC    605 ; *  EXPECTED RESULTS:
03DC    606 ; *     1) SYSTEM STATUS CODE:  ACCVIO
03DC    607 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
03DC    608 ; *
03DC    609 ; ******************************************************
03DC    610 ;--
03DC    611 ;
03DC    612 ;
03DC    613         NEXT_TEST_CASE  SFDVA21
```

```
                                L 7
03E8    614 ;
03E8    615 ;++
03E8    616 ; ******************************************************
03E8    617 ; *
03E8    618 ; *  TEST CASE NAME:              SFDVA21
03E8    619 ; *
03E8    620 ; *  SYSTEM SERVICE:              DELTVA
03E8    621 ; *
03E8    622 ; *  ARGUMENT UNDER TEST:         RETADR_DVA21
03E8    623 ; *
03E8    624 ; *  INPUT CONDITIONS:
03E8    625 ; *     RETURN ADDRESS FIELD IN READ-ONLY PSECT.
03E8    626 ; *
03E8    627 ; *  EXPECTED RESULTS:
03E8    628 ; *     1) SYSTEM STATUS CODE:  ACCVIO
03E8    629 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
03E8    630 ; *
03E8    631 ; ******************************************************
03E8    632 ;--
03E8    633 ;
03E8    634 ;
03E8    635         NEXT_TEST_CASE  SFDVA22
```

```
                                M 7
03F4    636 ;
03F4    637 ;++
03F4    638 ; ******************************************************
03F4    639 ; *
03F4    640 ; *  TEST CASE NAME:              SFDVA22
03F4    641 ; *
03F4    642 ; *  SYSTEM SERVICE:              DELTVA
03F4    643 ; *
03F4    644 ; *  ARGUMENT UNDER TEST:         RETADR_DVA22
03F4    645 ; *
03F4    646 ; *  INPUT CONDITIONS:
03F4    647 ; *     SECOND LONGWORD OF RETURN ADDRESS FIELD BEGINS IN
03F4    648 ; *       ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
03F4    649 ; *
03F4    650 ; *  EXPECTED RESULTS:
03F4    651 ; *     1) SYSTEM STATUS CODE:  ACCVIO
03F4    652 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
03F4    653 ; *
03F4    654 ; ******************************************************
03F4    655 ;--
03F4    656 ;
03F4    657 ;
03F4    658         TCEND
```

```
03F5    660 .
03F5    661         TC_GROUP        PWS,1,TS3
041C    662 ;
041C    663         NEXT_TEST_CASE  SFPWS10
```

```
041C    664 ;
041C    665 ;++
041C    666 ; ******************************************************
041C    667 ; *
041C    668 ; *  TEST CASE NAME:              SFPWS10
041C    669 ; *
041C    670 ; *  SYSTEM SERVICE:              PURGWS
041C    671 ; *
041C    672 ; *  ARGUMENT UNDER TEST:         INADR_PWS10
041C    673 ; *
041C    674 ; *  INPUT CONDITIONS:
041C    675 ; *     INPUT ADDRESS ARRAY AT LOCATION 0.
041C    676 ; *
041C    677 ; *  EXPECTED RESULTS:
041C    678 ; *     1) SYSTEM STATUS CODE:  ACCVIO
041C    679 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
041C    680 ; *
041C    681 ; ******************************************************
041C    682 ;--
041C    683 ;
041C    684 ;
041C    685         NEXT_TEST_CASE  SFPWS11
```

```
                                C 8
0428    686 ;
0428    687 ;++
0428    688 ; ********************************************************
0428    689 ; *
0428    690 ; *  TEST CASE NAME:              SFPWS11
0428    691 ; *
0428    692 ; *  SYSTEM SERVICE:              PURGWS
0428    693 ; *
0428    694 ; *  ARGUMENT UNDER TEST:         INADR_PWS11
0428    695 ; *
0428    696 ; *  INPUT CONDITIONS:
0428    697 ; *     INPUT ADDRESS ARRAY IN NON-ACCESSIBLE PSECT.
0428    698 ; *
0428    699 ; *  EXPECTED RESULTS:
0428    700 ; *     1) SYSTEM STATUS CODE:  ACCVIO
0428    701 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0428    702 ; *
0428    703 ; ********************************************************
0428    704 ;--
0428    705 ;
0428    706 ;
0428    707         NEXT_TEST_CASE  SFPWS12
```

```
0434    708 ;
0434    709 ;++
0434    710 ; ********************************************************
0434    711 ; *
0434    712 ; *  TEST CASE NAME:              SFPWS12
0434    713 ; *
0434    714 ; *  SYSTEM SERVICE:              PURGWS
0434    715 ; *
0434    716 ; *  ARGUMENT UNDER TEST:         INADR_PWS12
0434    717 ; *
0434    718 ; *  INPUT CONDITIONS:
0434    719 ; *     INPUT ADDRESS ARRAY BEGINS IN ACCESSIBLE
0434    720 ; *       PSECT, ENDS IN NON-ACCESSIBLE PSECT.
0434    721 ; *
0434    722 ; *  EXPECTED RESULTS:
0434    723 ; *     1) SYSTEM STATUS CODE:  ACCVIO
0434    724 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0434    725 ; *
0434    726 ; ********************************************************
0434    727 ;--
0434    728 ;
0434    729 ;
0434    730         TCEND
```

```
0435    731 ;
0435    732
045C    733 ;
045C    734
```

```
        TC_GROUP        AWS,1,TS4

        NEXT_TEST_CASE  SFAWS20
```

```
045C    735 ;
045C    736 ;++
045C    737 ; ******************************************************
045C    738 ; *
045C    739 ; *  TEST CASE NAME:              SFAWS20
045C    740 ; *
045C    741 ; *  SYSTEM SERVICE:              ADJWSL
045C    742 ; *
045C    743 ; *  ARGUMENT UNDER TEST:         WSETLM_AWS20
045C    744 ; *
045C    745 ; *  INPUT CONDITIONS:
045C    746 ; *     WORKING SET LIMIT FIELD AT LOCATION 1.
045C    747 ; *
045C    748 ; *  EXPECTED RESULTS:
045C    749 ; *     1) SYSTEM STATUS CODE:  ACCVIO
045C    750 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
045C    751 ; *
045C    752 ; ******************************************************
045C    753 ;--
045C    754 ;
045C    755 ;
045C    756         NEXT_TEST_CASE  SFAWS21
```

```
0468   757 ;
0468   758 ;++
0468   759 ; ********************************************************
0468   760 ; *
0468   761 ; *  TEST CASE NAME:              SFAWS21
0468   762 ; *
0468   763 ; *  SYSTEM SERVICE:              ADJWSL
0468   764 ; *
0468   765 ; *  ARGUMENT UNDER TEST:         WSETLM_AWS21
0468   766 ; *
0468   767 ; *  INPUT CONDITIONS:
0468   768 ; *     WORKING SET LIMIT FIELD IN READ-ONLY PSECT.
0468   769 ; *
0468   770 ; *  EXPECTED RESULTS:
0468   771 ; *     1) SYSTEM STATUS CODE:  ACCVIO
0468   772 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0468   773 ; *
0468   774 ; ********************************************************
0468   775 ;--
0468   776 ;
0468   777 ;
0468   778         NEXT_TEST_CASE  SFAWS22
```

```
0474    779 ;
0474    780 ;++
0474    781 ; ******************************************************
0474    782 ; *
0474    783 ; *  TEST CASE NAME:              SFAWS22
0474    784 ; *
0474    785 ; *  SYSTEM SERVICE:              ADJWSL
0474    786 ; *
0474    787 ; *  ARGUMENT UNDER TEST:         WSETLM_AWS22
0474    788 ; *
0474    789 ; *  INPUT CONDITIONS:
0474    790 ; *     WORKING SET LIMIT FIELD BEGINS IN ACCESSIBLE
0474    791 ; *       PSECT, ENDS IN NON-ACCESSIBLE PSECT.
0474    792 ; *
0474    793 ; *  EXPECTED RESULTS:
0474    794 ; *     1) SYSTEM STATUS CODE:  ACCVIO
0474    795 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
0474    796 ; *
0474    797 ; ******************************************************
0474    798 ;--
0474    799 ;
0474    800 ;
0474    801         TCEND
```

```
0475    802 TS1:
0475    803         TESTSERV        CRETVA,ERR,SATS,                                -
0475    804                                                                         -
0475    805            <1,INADR_CVA,                                                -
0475    806                         INADR_CVA10,NOPRIV,     -  ; SFCVA10
0475    807                         INADR_CVA11,PAGOWNVIO,  -  ; SFCVA11
0475    808                         INADR_CVA12,ACCVIO,     -  ; SFCVA12
0475    809                         INADR_CVA13,ACCVIO,     -  ; SFCVA13
0475    810                         INADR_CVA14,ACCVIO,     -  ; SFCVA14
0475    811                                                 >,                      -
0475    812                                                                         -
0475    813            <1,RETADR_CVA,                                               -
0475    814                         RETADR_CVA20,ACCVIO,    -  ; SFCVA20
0475    815                         RETADR_CVA21,ACCVIO,    -  ; SFCVA21
0475    816                         RETADR_CVA22,ACCVIO,    -  ; SFCVA22
0475    817                                                 >,                      -
0475    818                                                                         -
0475    819            <1,ACMODE_CVA,                                               -
0475    820                                                 >,                      -
0475    821
0687    822         TS_CLEANUP              ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
06A7   823 TS2:
06A7   824          TESTSERV        DELTVA,ERR,SATS,                                -
06A7   825                                                                          -
06A7   826             <1,INADR_DVA,                                                -
06A7   827                          INADR_DVA10,NOPRIV,      -  ; SFDVA10
06A7   828                          INADR_DVA11,PAGOWNVIO,   -  ; SFDVA11
06A7   829                          INADR_DVA12,ACCVIO,      -  ; SFDVA12
06A7   830                          INADR_DVA13,ACCVIO,      -  ; SFDVA13
06A7   831                          INADR_DVA14,ACCVIO,      -  ; SFDVA14
06A7   832                                                   >,                     -
06A7   833                                                                          -
06A7   834             <1,RETADR_DVA,                                               -
06A7   835                          RETADR_DVA20,ACCVIO,     -  ; SFDVA20
06A7   836                          RETADR_DVA21,ACCVIO,     -  ; SFDVA21
06A7   837                          RETADR_DVA22,ACCVIO,     -  ; SFDVA22
06A7   838                                                   >,                     -
06A7   839                                                                          -
06A7   840             <1,ACMODE_DVA,                                               -
06A7   841                                                   >,                     -
06A7   842
08B9   843          TS_CLEANUP                  ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
                                    K 8
08D9    844 TS3:
08D9    845         TESTSERV        PURGWS,ERR,SATS,                                -
08D9    846                                                                         -
08D9    847           <1,INADR_PWS,                                                 -
08D9    848                         INADR_PWS10,ACCVIO,     -  ; SFPWS10
08D9    849                         INADR_PWS11,ACCVIO,     -  ; SFPWS11
08D9    850                         INADR_PWS12,ACCVIO,     -  ; SFPWS12
08D9    851                                                   >,                    -
08D9    852
09AC    853         TS_CLEANUP              ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
                                L 8
09CC    854 TS4:
09CC    855             TESTSERV        ADJWSL,ERR,SATS,                                -
09CC    856                                                                             -
09CC    857                <1,PAGCNT_AWS,                                               -
09CC    858                                                      >,                     -
09CC    859                                                                             -
09CC    860                <1,WSETLM_AWS,                                               -
09CC    861                                WSETLM_AWS20,ACCVIO,    -  ; SFAWS20
09CC    862                                WSETLM_AWS21,ACCVIO,    -  ; SFAWS21
09CC    863                                WSETLM_AWS22,ACCVIO,    -  ; SFAWS22
09CC    864                                                      >,                     -
09CC    865
0B27    866             TS_CLEANUP                  ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
                                0B47    867          .SBTTL  EXECUTE & CLEANUP
                                0B47    868 EXECUTE:
                                0B47    869          TEST_SERV_EXEC                     ; EXECUTE ALL T. CASES IN ALL GROUPS
                                0B6F    870 CLEANUP:
                         0138    30     0B6F    871          BSBW    MOD_MSG_PRINT      ; PRINT TEST MODULE END MSG
00000044'EF    01    1C    01    F0     0B72    872          INSV    #1,#STS$V_INHIB_MSG,#1,MOD_MSG_CODE
                                0B7B    873                                             ; INHIBIT PRINTING
                                0B7B    874          $EXIT_S MOD_MSG_CODE               ; EXIT TO OP SYS WITH MSG CODE
```

```
0B88    876          .SBTTL  TC_CONTROL
0B88    877 ;++
0B88    878 ; FUNCTIONAL DESCRIPTION:
0B88    879 ;
0B88    880 ;                   THE TC_CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
0B88    881 ; MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
0B88    882 ; MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV MACRO.
0B88    883 ; TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
0B88    884 ; STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
0B88    885 ; SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
0B88    886 ; DEFINED BY A NEXT_TEST_CASE MACRO WITHIN THE GROUP. TC_CONTROL USES A
0B88    887 ; CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV MACRO
0B88    888 ; IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
0B88    889 ; TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
0B88    890 ; THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE.
0B88    891 ; THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED
0B88    892 ; STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
0B88    893 ; IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC_CONTROL)
0B88    894 ; RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP MACRO)
0B88    895 ; FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC_CONTROL WHICH
0B88    896 ; IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
0B88    897 ; TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
0B88    898 ;
0B88    899 ; CALLING SEQUENCE:
0B88    900 ;
0B88    901 ;       BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC MACRO)
0B88    902 ;                       (RSB IS ISSUED WITHIN THE TS_CLEANUP MACRO)
0B88    903 ;
0B88    904 ; INPUT PARAMETERS:
0B88    905 ;
0B88    906 ;       NONE
0B88    907 ;
0B88    908 ; IMPLICIT INPUTS:
0B88    909 ;
0B88    910 ;       ARGUMENTS SPECIFIED ON EACH TESTSERV MACRO MAY BE VIEWED AS
0B88    911 ;       INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.
0B88    912 ;
0B88    913 ; OUTPUT PARAMETERS:
0B88    914 ;
0B88    915 ;       SEVERITY CODE FIELD OF MOD_MSG_CODE (BITS 0,1,2) IS SET TO ERROR
0B88    916 ;       IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
0B88    917 ;       SET TO SUCCESSFUL.
0B88    918 ;
0B88    919 ; IMPLICIT OUTPUTS:
0B88    920 ;
0B88    921 ;       %UETP-I-TEXT,   ERROR MESSAGES ARE WRITTEN TO SYS$OUTPUT BY
0B88    922 ;                       THE TESTSERV MACRO (CO-ROUTINE WITH TC_CONTROL)
0B88    923 ;
0B88    924 ; COMPLETION CODES:
0B88    925 ;
0B88    926 ;       NONE
0B88    927 ;
0B88    928 ; SIDE EFFECTS:
0B88    929 ;
0B88    930 ;       NONE
0B88    931 ;
0B88    932 ;--
```

```
                          0B88   933
                          0B88   934
                          0B88   935
                          0B88   936 TC_CONTROL:
00000064'EF    DD         0B88   937          PUSHL   TS_EP                      ; PUSH TESTSERV ENTRY POINT
          9E   16         0B8E   938          JSB     @(SP)+                    ; ENTER TESTSERV INITIALIZATION
                          0B90   939 10$:                                       ; PROCESS NEXT TEST CASE
00000056'EF    20   90    0B90   940          MOVB    #^A/ /,$$TSTN$$+2         ; MAKE SURE T.C. NAME HAS A BLANK
        002F   30         0B97   941          BSBW    REG_SAVE                  ; SAVE REGISTERS
00000004'FF    16         0B9A   942          JSB     @CURRENT_TC               ; JUMP TO CURRENT TEST CASE
        0037   30         0BA0   943          BSBW    REG_REST                  ; RESTORE REGS FOR TESTSERV
          9E   16         0BA3   944          JSB     @(SP)+                    ; LET TESTSERV ISSUE SYSTEM SERVICE
        0042   30         0BA5   945          BSBW    REG_COMP                  ; COMPARE REGS TO SEE IF ...
                          0BA8   946                                            ; ... SYSTEM SERVICE CHANGED ANY
          9E   16         0BA8   947          JSB     @(SP)+                    ; LET TESTSERV CHEK S.S. STATUS CODE
00000056'EF    2A   91    0BAA   948          CMPB    #^A/*/,$$TSTN$$+2         ; HAS TESTSERV INDICATED FAILURE ?
          DD   12         0BB1   949          BNEQU   10$                       ; NO -- PROCESS NEXT TEST CASE
00000060'EF    00000088'EF DE   0BB3   950          MOVAL   TEST_MOD_FAIL,TMD_ADDR    ; YES -- INDICATE FAILED IN END MSG
00000044'EF    03   00    02   F0   0BBE   951          INSV    #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
          C7   11         0BC7   952          BRB     10$                       ; LOOP BAK TO PROCESS NEXT TEST CASE
                          0BC9   953 ;
                          0BC9   954 ;    TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)
                          0BC9   955 ;
```

```
                        0BC9   957          .SBTTL  SUBROUTINES
                        0BC9   958 REG_SAVE:
                        0BC9   959 ;
                        0BC9   960 ;  ************************************************************************
                        0BC9   961 ;  *                                                                      *
                        0BC9   962 ;  *  SAVES R0 THRU SP IN REG_SAVE_AREA                                    *
                        0BC9   963 ;  *                                                                      *
                        0BC9   964 ;  ************************************************************************
                        0BC9   965 ;
          7FFF 8F   BB  0BC9   966          PUSHR   #R0_THRU_SP             ; SAVE ALL REGS ON STACK
00000008'EF 6E    3C  28  0BCD   967          MOVC3   #60,(SP),REG_SAVE_AREA  ; SAVE REGS (BEFORE S.S.)
          7FFF 8F   BA  0BD5   968          POPR    #R0_THRU_SP             ; CLEAN UP STACK
                    05  0BD9   969          RSB                             ; .... AND RETURN
                        0BDA   970 ;
                        0BDA   971 ;
                        0BDA   972 ;
                        0BDA   973 ;
                        0BDA   974 REG_REST:
                        0BDA   975 ;
                        0BDA   976 ;
                        0BDA   977 ;  ************************************************************************
                        0BDA   978 ;  *                                                                      *
                        0BDA   979 ;  *  RESTORES R0 THRU SP FROM REG_SAVE_AREA                               *
                        0BDA   980 ;  *                                                                      *
                        0BDA   981 ;  ************************************************************************
                        0BDA   982 ;
          5E    3C  C2  0BDA   983          SUBL2   #60,SP                  ; MOVE SP TO MAKE ROOM FOR REGS
6E  00000008'EF 3C  28  0BDD   984          MOVC3   #60,REG_SAVE_AREA,(SP)  ; MOVE REGS ONTO STACK FOR POP
          7FFF 8F   BA  0BE5   985          POPR    #R0_THR0_SP             ; RESTORE ALL REGS FOR TESTSERV
                    05  0BE9   986          RSB                             ; ... AND RETURN
```

```
                                0BEA   988 REG_COMP:
                                0BEA   989 ;
                                0BEA   990 ;  ****************************************************************************
                                0BEA   991 ;  *                                                                          *
                                0BEA   992 ;  *  1) PUSHES ALL REGS ONTO STACK                                            *
                                0BEA   993 ;  *  2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING                 *
                                0BEA   994 ;  *       IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED               *
                                0BEA   995 ;  *       IN REG_COMP_MASK.                                                  *
                                0BEA   996 ;  *  3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED                 *
                                0BEA   997 ;  *       (USING $FAO AND $OUTPUT SYSTEM SERVICES).                          *
                                0BEA   998 ;  *  4) POPS ALL REGS OFF OF STACK                                            *
                                0BEA   999 ;  *                                                                          *
                                0BEA  1000 ;  ****************************************************************************
                                0BEA  1001 ;
            7FFF 8F     BB      0BEA  1002          PUSHR   #R0_THRU_SP                 ; SAVE ALL REGISTERS ON STACK
    56  00000008'EF     DE      0BEE  1003          MOVAL   REG_SAVE_AREA,R6            ; POINT R6 TO BEG OF ...
                                0BF5  1004                                              ; ... REGS (BEFORE S.S.)
              54  5E    D0      0BF5  1005          MOVL    SP,R4                       ; POINT R4 TO BEG OF
                                0BF8  1006                                              ; ... REGS (AFTER S.S.)
             53   FF 8F    98   0BF8  1007          CVTBL   #-1,R3                      ; INITIALIZE REG_COMP_MASK INDEX
                                0BFC  1008 REG_COMP_NEXT:
                  53    D6      0BFC  1009          INCL    R3                          ; POINT TO NEXT BIT IN MASK
              53  0F    91      0BFE  1010          CMPB    #15,R3                      ; END OF THE MASK ?
                  03    1A      0C01  1011          BGTRU   REG_COMP_CONT               ; NO -- CONTINUE
                009F    31      0C03  1012          BRW     REG_COMP_RSB                ; YES -- GO TO COMMON RETURN
                                0C06  1013 REG_COMP_CONT:
              84  86    D1      0C06  1014          CMPL    (R6)+,(R4)+                 ; REG BEFORE = REG AFTER ?
                  F1    13      0C09  1015          BEQLU   REG_COMP_NEXT               ; YES -- LOOK FOR NEXT REG
E9  00000000'EF   53    E1      0C0B  1016          BBC     R3,REG_COMP_MASK,REG_COMP_NEXT
                                0C13  1017                                              ; NO -- GET NEXT IF BIT NOT SET
   00000048'EF    53    D0      0C13  1018          MOVL    R3,CLOB_REG_NO              ; NO -- GIVE REG NUMBER TO FAO
0000004C'EF   FC  A6    D0      0C1A  1019          MOVL    -4(R6),REG_BEFORE_SS        ; GIVE "BEFORE" CONTENTS TO FAO
00000050'EF   FC  A4    D0      0C22  1020          MOVL    -4(R4),REG_AFTER_SS         ; GIVE "AFTER" CONTENTS TO FAO
   00000056'EF    2A    90      0C2A  1021          MOVB    #^A/*/,$$TSTN$$+2           ; GIVE FAILURE INDIC'N IN ERROR MSG
                                0C31  1022 ;
                                0C31  1023          $FAO_S  ERR_MSG_FAOCTL,OUTL,OUTD,$$SNAD$$,  -
                                0C31  1024                  $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
                                0C64  1025 ;
        F4A9 CF     F473 CF     B0  0C64  1026          MOVW    OUTL,OUTD                   ; ACTUAL OUTPUT LEN IN STRING DESC'R
                                0C6B  1027          PUTMSG  <#UETP$_TEXT,#1,#OUTD>      ; PRINT THE MSG
        F48D CF     0084 8F     B0  0C80  1028          MOVW    #OUTE-OUTB,OUTD             ; GET MAX LEN BACK INTO DESCRIPTOR
         00000056'EF     20     90  0C87  1029          MOVB    #^A/ /,$$TSTN$$+2           ; REMOVE FAIL INDIC'N FOR NEXT MSG
00000060'EF   00000088'EF       DE  0C8E  1030          MOVAL   TEST_MOD_FAIL,TMD_ADDR      ; INDICATE FAILED IN END MSG
00000044'EF   03    00    02    F0  0C99  1031          INSV    #ERROR,#0,#3,MOD_MSG_CODE   ; ADJUST STATUS CODE FOR ERROR
                    FF57    31  0CA2  1032          BRW     REG_COMP_NEXT               ; GO LOOK FOR NEXT REG TO COMPARE
                                0CA5  1033 REG_COMP_RSB:
                7FFF 8F     BA  0CA5  1034          POPR    #R0_THRU_SP                 ; CLEAN UP STACK
                            05  0CA9  1035          RSB                                 ; RETURN TO CALLER
```

```
                     OCAA  1037 MOD_MSG_PRINT:
                     OCAA  1038 ;
                     OCAA  1039 ;  ************************************************************************
                     OCAA  1040 ;  *                                                                      *
                     OCAA  1041 ;  *  PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES              *
                     OCAA  1042 ;  *       (USING THE PUTMSG MACRO).                                      *
                     OCAA  1043 ;  *                                                                      *
                     OCAA  1044 ;  ************************************************************************
                     OCAA  1045 ;
                     OCAA  1046          PUTMSG  <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> ; PRINT MSG
                  05 OCC5  1047          RSB                                         ; ... AND RETURN TO CALLER
                     OCC6  1048 ;
                     OCC6  1049 CHMRTN:
                     OCC6  1050 ;  ************************************************************
                     OCC6  1051 ;  *
                     OCC6  1052 ;  *     CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
                     OCC6  1053 ;  *     A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
                     OCC6  1054 ;  *     BY THE MODE MACRO ('TO' OPTION).  IT MERELY DOES
                     OCC6  1055 ;  *     A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
                     OCC6  1056 ;  *     THE EFFECT OF RETURNING TO THE END OF THE MODE
                     OCC6  1057 ;  *     MACRO EXPANSION.
                     OCC6  1058 ;  *
                     OCC6  1059 ;  ************************************************************
                     OCC6  1060 ;
                0000 OCC6  1061          .WORD   0                                   ; ENTRY MASK
00000079'FF       17 OCC8  1062          JMP     @CHM_CONT                           ; RETURN TO MODE MACRO IN NEW MODE
                     OCCE  1063 ;
                     OCCE  1064 ;  *     RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
                     OCCE  1065 ;
                     OCCE  1066          .END    SATSSF13
```

```
$$$CHARS                =  00000048
$$$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_CVA                 000000D5 R      02
ACMODE_DVA                 000000D5 R      02
CHMRTN                     00000CC6 R      06
CHM_CONT                   00000079 R      03
CLEANUP                    00000B6F R      06
CLOB_REG_NO                00000048 R      03
CTL$GL_PHD                 ********   X    06
CURRENT_TC                 00000004 R      03
EMPTY                      00000000 R      04
ERROR                   =  00000002
ERR_MSG_FAOCTL             00000002 R      02
EXECUTE                    00000B47 R      06
GRP_TOTAL               =  00000004
INADR                      000000A9 R      02
INADR_CVA                  00000091 R      03
INADR_CVA10                000000BD R      02
INADR_CVA11                00000099 R      03
INADR_CVA12             =  00000000
INADR_CVA13                00000008 R      05
INADR_CVA14             =  000001F9 R      04
INADR_DVA                  000000A9 R      03
INADR_DVA10                000000BD R      02
INADR_DVA11                000000B1 R      03
INADR_DVA12             =  00000000
INADR_DVA13                00000008 R      05
INADR_DVA14             =  000001F9 R      04
INADR_PWS                  000000D9 R      02
INADR_PWS10             =  00000000
INADR_PWS11                00000008 R      05
INADR_PWS12             =  000001F9 R      04
INFO                    =  00000003
LIB$SIGNAL                 ********   X    06
MEXIT                   =  00000000
MOD_MSG_CODE               00000044 R      03
MOD_MSG_PRINT              00000CAA R      06
NARGS                   =  00000014
NOACCESS                   00000000 R      05
NSSARGS                 =  00000002
ONES                       000000B5 R      02
OUTB                       0000011C R      06
OUTD                       00000114 R      06
OUTE                       000001A0 R      06
OUTL                       000000DB R      06
PAGCNT_AWS                 000000E1 R      02
PHD$Q_PRIVMSK           =  00000000
PRIVMASK                   00000071 R      03
PRIV_ARGS               =  00000002
PROT                       000000B1 R      02
PRT$C_NA                   ********     X  02
PRVPRT                     00000070 R      03
PSL$C_USER              =  00000003
RO_THRU_SP              =  00007FFF
REGS                       0000007D R      03
REG_AFTER_SS               00000050 R      03
REG_BEFORE_SS              0000004C R      03
REG_COMP                   00000BEA R      06
REG_COMP_CONT              00000C06 R      06
REG_COMP_MASK              00000000 R      02
REG_COMP_NEXT              00000BFC R      06
REG_COMP_RSB               00000CA5 R      06
REG_REST                   00000BDA R      06
REG_SAVE                   00000BC9 R      06
REG_SAVE_AREA              00000008 R      03
RETADR                     00000068 R      03
RETADR_CVA                 000000A1 R      03
RETADR_CVA20            =  00000001
RETADR_CVA21               000000C5 R      02
RETADR_CVA22            =  000001F9 R      04
RETADR_DVA                 000000B9 R      03
RETADR_DVA20            =  00000001
RETADR_DVA21               000000CD R      02
RETADR_DVA22            =  000001F9 R      04
SATSSFT3                   00000000 R      06
SEVERE                  =  00000004
SHR$K_SHRDEF            =  00000001
SHR$_TEXT               =  00001130
SS$_ACCVIO                 ********     X  06
SS$_NOPRIV                 ********     X  06
SS$_PAGOWNVIO              ********     X  06
STS$V_INHIB_MSG         =  0000001C
SUCCESS                 =  00000001
SYS$ADJWSL                 ********    GX  06
SYS$CMEXEC                 ********    GX  06
SYS$CMKRNL                 ********    GX  06
SYS$CNTREG                 ********    GX  06
SYS$CRETVA                 ********    GX  06
SYS$DELTVA                 ********    GX  06
SYS$EXIT                   ********    GX  06
SYS$EXPREG                 ********    GX  06
SYS$FAO                    ********     X  06
SYS$FAOL                   ********    GX  06
SYS$HIBER                  ********    GX  06
SYS$PURGWS                 ********    GX  06
SYS$SETPRN                 ********    GX  06
SYS$SETPRT                 ********    GX  06
SYS$SETPRV                 ********    GX  06
SYS$WAKE                   ********    GX  06
```

```
TC1                             00000241 R      06
TC2                             0000031B R      06
TC3                             000003F5 R      06
TC4                             00000435 R      06
TCG_NO                        = 00000004
TC_CONTROL                      00000B88 R      06
TEST_MOD_BEG                    00000077 R      02
TEST_MOD_FAIL                   00000088 R      02
TEST_MOD_NAME                   0000006E R      02
TEST_MOD_NAME_D                 0000008F R      02
TEST_MOD_SUCC                   0000007D R      02
TMD_ADDR                        00000060 R      03
TMN_ADDR                        0000005C R      03
TPID                            00000000 R      03
TS1                             00000475 R      06
TS2                             000006A7 R      06
TS3                             000008D9 R      06
TS4                             000009CC R      06
TS_EP                           00000064 R      03
TTNAME                          0000009F R      02
UETP$_SATSMS                  = 007480D9
UETP$_TEXT                    = 00741133
WARNING                       = 00000000
WSETLM_AWS                      000000C1 R      03
WSETLM_AWS20                  = 00000001
WSETLM_AWS21                    000000E5 R      02
WSETLM_AWS22                  = 000001FF R      04
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
ABS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	000000E9 (233.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	000000C5 (197.)	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
SATSSF13	00000CCE (3278.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.08	00:00:00.39
Command processing	109	00:00:00.67	00:00:02.20
Pass 1	404	00:00:15.72	00:00:28.65
Symbol table sort	0	00:00:01.14	00:00:01.66
Pass 2	212	00:00:03.90	00:00:06.34
Symbol table output	18	00:00:00.12	00:00:00.13
Psect synopsis output	2	00:00:00.04	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	777	00:00:21.68	00:00:39.41

The working set limit was 1950 pages.
83502 bytes (164 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 660 non-local and 130 local symbols.
1066 source lines were read in Pass 1, producing 29 object records in Pass 2.
69 pages of virtual memory were used to define 53 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SHRLIB]UETP.MLB;1	19
_255DUA28:[SYS.OBJ]LIB.MLB;1	2
_255DUA28:[SYSLIB]STARLET.MLB;2	26
TOTALS (all libraries)	47

1313 GETS were required to define 47 macros.

There were no errors, warnings or information messages.

```
MACRO/LIS=LIS$:SATSSF13/OBJ=OBJ$:SATSSF13 MSRC$:SATSSF13/UPDATE=(ENH$:SATSSF13)+EXECML$/LIB+SHRLIB$:UETP/LIB
```

SATSSF15
LIS

SATSSF16
LIS

SATSSF14
LIS

SATSSF12
LIS

SATSSF13
LIS