


```

SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFF  000000  666666
SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFF  000000  666666
SS         AA      AA      TT         SS         SS         FF         00      00      66
SS         AA      AA      TT         SS         SS         FF         00      00      66
SS         AA      AA      TT         SS         SS         FF         00      0000    66
SS         AA      AA      TT         SS         SS         FF         00      0000    66
SSSSSSS   AA      AA      TT         SSSSSS   SSSSSS   FFFFFFFF  00      00      66666666
SSSSSSS   AA      AA      TT         SSSSSS   SSSSSS   FFFFFFFF  00      00      66666666
SS         AA      AA      TT         SS         SS         FF         0000    00      66      66
SS         AA      AA      TT         SS         SS         FF         0000    00      66      66
SS         AA      AA      TT         SS         SS         FF         00      00      66      66
SSSSSSSS  AA      AA      TT         SSSSSSSS  SSSSSSSS  FF         000000  666666
SSSSSSSS  AA      AA      TT         SSSSSSSS  SSSSSSSS  FF         000000  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)	55	DECLARATIONS
(1)	239	SATSSF06
(1)	339	SFFEX10
(1)	361	SFFEX11
(1)	383	SFFEX12
(1)	406	SFFEX13
(1)	430	SFFEX14
(1)	454	SFFEX20
(1)	478	SFFEX21
(1)	502	SFFEX22
(1)	527	SFFEX23
(1)	552	SFFEX24
(1)	578	SFFEX25
(1)	602	SFFEX26
(1)	625	SFFEX27
(1)	648	SFFEX28
(2)	703	SFDEH10
(2)	726	SFDEH11
(2)	748	SFDEH12
(2)	775	SFSPN10
(2)	798	SFSPN11
(2)	821	SFSPN12
(2)	845	SFSPN13
(2)	869	SFSPN14
(2)	894	SFSPN15
(2)	917	SFSPN16
(2)	940	SFSPN17
(2)	962	SFSPN18
(2)	987	SFSPR10
(2)	1009	SFSPR11
(2)	1031	SFSPR12
(2)	1054	SFSPR13
(2)	1078	SFSPR14
(2)	1102	SFSPR20
(2)	1126	SFSPR21
(2)	1150	SFSPR22
(2)	1175	SFSPR23
(2)	1200	SFSPR24
(2)	1223	SFSPR40
(2)	1246	SFSPR41
(2)	1269	SFSPR42
(2)	1295	SFSPR25
(3)	1320	SFSPR26
(3)	1343	SFSPR27
(3)	1366	SFSPR28
(3)	1541	EXECUTE & CLEANUP
(3)	1557	TC CONTROL
(3)	1638	SUBROUTINES

```

0000 1      .TITLE  SATSSF06 - SATS SYSTEM SERVICE TESTS (FAILING S.C.)
0000 2      .IDENT  'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
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0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :
0000 28
0000 29 :++
0000 30 : FACILITY:    SATS SYSTEM SERVICE TESTS
0000 31
0000 32 : ABSTRACT:    THE SATSSF06 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 1.50 : 25-MAY-79
0000 49
0000 50 :              V03-001 LDJ0001          Larry D. Jones,          11-Apr-1983
0000 51 :              Removed the two 29 testcases because of a restriction
0000 52 :              removal from the exec.
0000 53 :--

```

```
0000 55 .SBTTL DECLARATIONS
0000 56 :
0000 57 : INCLUDE FILES:
0000 58 :
0000 59 $PRVDEF : SYMBOL DEFS FOR PRIVILEGES
0000 60 $UETPDEF : UETP MSG CODE DEFINITIONS
0000 61 $$HR_MESSAGES UETP,116,<<TEXT,INFO>>
0000 62 : DEFINE UETPS TEXT
0000 63 $DIBDEF : DEFINE DEVICE INFO BLOCK OFFSETS
0000 64 $PHDDEF : PROCESS HEADER DEFINITION
0000 65 $PCBDEF : PROCESS CONTROL BLOCK DEFINITION
0000 66 $STSDEF : STATUS DEFINITION
0000 67 :
0000 68 : MACROS:
0000 69 :
0000 70 :
0000 71 : EQUATED SYMBOLS:
0000 72 :
00000000 0000 73 WARNING = 0 : WARNING SEVERITY VALUE FOR MSGS
00000001 0000 74 SUCCESS = 1 : SUCCESS SEVERITY VALUE FOR MSGS
00000002 0000 75 ERROR = 2 : ERROR SEVERITY VALUE FOR MSGS
00000003 0000 76 INFO = 3 : INFORMATIONAL SEV VALUE FOR MSGS
00000004 0000 77 SEVERE = 4 : SEVERE (FATAL) SEV VALUE FOR MSGS
00000000 0000 78 TCG_NO = 0 : INITIALIZE TEST CASE GROUP NUMBER
00000000 0000 79 GRP_TOTAL = 0 : INITIALIZE TEST CASE GROUP TOTAL
00007FFF 0000 80 R0_THRU_SP = ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 AP,FP,SP>
00000040 0000 81 DETFLAG = 64 : EVENT FLAG NO. FOR DETACHED PROC
0000C001 0000 82 PIDADR_FEX10 = 1 : PIDADR ARG FOR FORCEX (LOCATION 1)
00000000 0000 83 DESBLK_DEH10 = 0 : DESBLK ARG FOR DCLEXH (LOCATION 0)
00000001 0000 84 PIDADR_SPR10 = 1 : PIDADR ARG FOR SETPRI (LOCATION 1)
00000001 0000 85 PRVPRI_SPR40 = 1 : PRVPRI ARG FOR SETPRI (LOCATION 1)
0000 86 :
0000 87 : OWN STORAGE:
0000 88 :
```

```
00000000 90 .PSECT RODATA, RD, NOWRT, NOEXE, LONG
BFFC 0000 91 REG_COMP_MASK: .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
0002 92 ; REG COMPARE MASK (HIGH-ORDER ...
0002 93 ; ... BIT MUST BE ON
0002 94 ERR_MSG_FAOCTL: STRING I, <!/!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
0002 95 <: BEFORE SERVICE CALL: !8XL AFTER SERVICE CALL: !8XL>
006E 96 TEST_MOD_NAME: STRING C, <SATSSF06> ; TEST MODULE NAME
0077 97 TEST_MOD_BEG: STRING C, <begun> ; DISPOSITION FIELD OF TEST MOD MSG
007D 98 TEST_MOD_SUCC: STRING C, <successful> ; DISPOSITION FIELD OF TEST MOD MSG
0088 99 TEST_MOD_FAIL: STRING C, <failed> ; DISPOSITION FIELD OF TEST MOD MSG
008F 100 TEST_MOD_NAME_D: STRING I, <SATSSF06> ; TEST MODULE NAME DESCRIPTOR
009F 101 TTNAME: STRING I, <TT> ; TERMINAL LOGICAL NAME
00000000'00000000' 00A9 102 INADR: .LONG NOACCESS, NOACCESS ; PAGE ADDRESS OF NOACCESS PSECT
00000000'00000000' 00B1 103 PROT: .LONG PRT$C_NA ; PROTECTION CODE FOR NOACCESS PSECT
FFFFFFFF FFFFFFFF 00B5 104 ONES: .LONG -1, -1 ; A QUADWORD OF 1-BITS
00BD 105 DETIMAGE: STRING I, <SYSTST$RES:SATSUTO1.EXE> ; IMAGE NAME FOR DETACHED PROCESS
00DC 106 ; PRCNAM & MBOX NAME FOR DET PROC
00DC 107 DETNAME: STRING I, <SATSSF06_DET> ; PRCNAM ARGUMENT FOR FORCEX
00F0 108 ;PRCNAM_FEX29 = DETNAME ; PRCNAM ARGUMENT FOR SETPRN
000000DC 00F0 109 PRCNAM_SPN16 = DETNAME ; PRCNAM ARGUMENT FOR SETPRI
00F0 110 ;PRCNAM_SPR29 = DETNAME ; PRCNAM ARGUMENT FOR FORCEX
00F0 111 PRCNAM_FEX: STRING I, <SATSSF06> ; PRCNAM ARGUMENT FOR FORCEX
00000001 0100 112 PRCNAM_FEX24: .LONG 1 ; PRCNAM ARGUMENT FOR FORCEX
00000000' 0104 113 .ADDRESS NOACCESS ;
0108 114 PRCNAM_FEX26: STRING I, <SFFEX26> ; PRCNAM ARGUMENT FOR FORCEX
00000000 0117 115 PRCNAM_FEX27: .LONG 0 ; PRCNAM ARGUMENT FOR FORCEX
011B 116 PRCNAM_FEX28: STRING I, <SIXTEEN CHAR$S$S> ;
0133 117 ; PRCNAM ARGUMENT FOR FORCEX
00000005 0133 118 CODE_FEX: .LONG 5 ; CODE ARGUMENT FOR FORCEX
0137 119 DESBLK_DEH11: .BLKQ 1 ; DESBLK ARGUMENT FOR DCLEXH
0000013F 0137 120 .LONG 1 ; EXIT CONTROL BLOCK .....
00000001 013F 121 .ADDRESS EMPTY ; ..... # OF ARGUMENTS
00000000' 0143 122 .ADDRESS EMPTY ; ADDRESS OF FIELD FOR EXIT REASON
0147 123 PRCNAM_SPN: STRING I, <PRCNAM_SPN> ; PRCNAM ARGUMENT FOR SETPRN
00000001 0159 124 PRCNAM_SPN14: .LONG 1 ; PRCNAM ARGUMENT FOR SETPRN
00000000' 015D 125 .ADDRESS NOACCESS ;
00000000 0161 126 PRCNAM_SPN17: .LONG 0 ; PRCNAM ARGUMENT FOR SETPRN
0165 127 PRCNAM_SPN18: STRING I, <SIXTEEN CHAR$S$S> ; PRCNAM ARGUMENT FOR SETPRN
017D 128 PRCNAM_SPR: STRING I, <SATSSF06> ; PRCNAM ARGUMENT FOR SETPRI
00000001 018D 129 PRCNAM_SPR24: .LONG 1 ; PRCNAM ARGUMENT FOR SETPRI
00000000' 0191 130 .ADDRESS NOACCESS ;
0195 131 PRCNAM_SPR26: STRING I, <SFSPR26> ; PRCNAM ARGUMENT FOR SETPRI
00000000 01A4 132 PRCNAM_SPR27: .LONG 0 ; PRCNAM ARGUMENT FOR SETPRI
01A8 133 PRCNAM_SPR28: STRING I, <SIXTEEN CHAR$S$S> ;
01C0 134 ; PRCNAM ARGUMENT FOR SETPRI
00000000 01C0 135 PRI_SPR: .LONG 0 ; PRI ARGUMENT FOR SETPRI
000001C8 01C4 136 PRVPRI_SPR41: .BLKL 1 ; PRVPRI ARGUMENT FOR SETPRI
```

00000000	0000	138	.PSECT	RWDATA, RD, WRT, NOEXE		
00000004	0000	139	TPID:	.BLKL	1	: PROCESS ID FOR THIS PROCESS
00000008	0004	140	CURRENT TC:	.BLKL	1	: PTR TO CURRENT TEST CASE
00000044	0008	141	REG_SAVE AREA:	.BLKL	15	: SAVE AREA FOR ALL REGS (SANS PC)
007480D9	0044	142	MOD_MSG CODE:	.LONG	UETPS_SATSMS	: TEST MODULE MSG CODE FOR PUTMSG
0000004C	0048	143	CLOB_REG NO:	.BLKL	1	: CLOBBERED REG NO (FOR FAO ERR MSG)
00000050	004C	144	REG_BEFORE_SS:	.BLKL	1	: REG CONTENTS BEFORE S.S.
	0050	145				: ... (FOR FAO ERROR MSG)
00000054	0050	146	REG_AFTER_SS:	.BLKL	1	: REG CONTENTS AFTER S.S.
	0054	147				: ... (FOR FAO ERROR MSG)
	0054	148	\$\$STN\$\$:	STRING	C, < SF >	: ASCII PORTION OF TEST CASE NAME
0000006E	005C	149	TMN_ADDR:	.ADDRESS	TEST_MOD_NAME	: ADDR OF TEST MOD NAME FOR FAO
00000077	0060	150	TMD_ADDR:	.ADDRESS	TEST_MOD_BEG	: ADDR OF T.M. DISP FIELD FOR FAO
00000068	0064	151	TS_EP:	.BLKL	1	: ENTRY PNT FOR CURR TESTSERV MACRO
00000070	0068	152	RETADR:	.BLKL	2	: RETURN LONGWORDS FOR SETPRT
00000071	0070	153	PRVPRT:	.BLKB	1	: PROT RETURN BYTE FOR SETPRT
00000079	0071	154	PRIVMASK:	.BLKQ	1	: ADDR OF PRIVILEGE MASK (IN PHD)
0000007D	0079	155	CHM_CONT:	.BLKL	1	: CHANGE MODE CONTINUE ADDRESS
00000091	007D	156	REGS:	.BLKL	5	: AREA FOR COND INDEX REGS (R2-R6)
00000095	0091	157	DETUIC:	.BLKL	1	: UIC FOR DETACHED PROCESS
00000099	0095	158	MBXCHAN:	.BLKL	1	: CHAN NO. FOR MBOX FOR CREATED PROC
	0099	159	MBXCHANINFO:	STRING	0,75	: CHANNEL INFO RETURNED BY GETCHN
000000F0	00EC	160	MBXUNIT:	.BLKL	1	: SAVE AREA FOR MAILBOX UNIT NUMBER
	00F0	161	MBXBUFF:	STRING	0,120	: MAILBOX BUFFER FOR CREATED PROC
00000174	0170	162	PIDADR_FEX:	.BLKL	1	: PIDADR ARGUMENT FOR FORCEX
00000178	0174	163	PIDADR_FEX13:	.BLKL	1	: PIDADR ARGUMENT FOR FORCEX
0000017C	0178	164	PIDADR_FEX14:	.BLKL	1	: PIDADR ARGUMENT FOR FORCEX
	017C	165	DESBLK_DEN:			: DESFLK ARGUMENT FOR DCLEXH
00000184	017C	166		.BLKQ	1	: EX'i CONTROL BLOCK
00000001	0184	167		.LONG	1	:
00000188	0188	168		.ADDRESS	.	: # OF ARGUMENTS
00000190	018C	169	PIDADR_SPR:	.BLKL	1	: ADDRESS OF FIELD FOR EXIT REASON
00000194	0190	170	PIDADR_SPR13:	.BLKL	1	: PIDADR ARGUMENT FOR SETPRI
00000198	0194	171	PIDADR_SPR14:	.BLKL	1	: PIDADR ARGUMENT FOR SETPRI
0000019C	0198	172	PRVPRI_SPR:	.BLKL	1	: PIDADR ARGUMENT FOR SETPRI
						: PRVPRI ARGUMENT FOR SETPRI

```

00000000 174 .PSECT SATS ACCVIO_1,RD,WRT,NOEXE,PAGE
00000200 0000 175 EMPTY: .BLKB 512 ; RESERVE A PAGE OF SPACE
0200 176 :
0200 177 : +
0200 178 : *****
0200 179 : *
0200 180 : * THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL. *
0200 181 : * DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS *
0200 182 : * FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE *
0200 183 : * OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS). *
0200 184 : *
0200 185 : *****
0200 186 : -
0200 187 :
0200 188 : TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
000001FF 0200 189 PIDADR_FEX12 = . - 1 ; PIDADR ARGUMENT FOR FORCEX (LAST BYTE IN PAGE)
000001FF 0200 190 PRCNAM_FEX21 = . - 1 ; PRCNAM ARGUMENT FOR FORCEX (LAST BYTE IN PAGE)
000001FF 0200 191 DESBLK_DEH12 = . - 1 ; DESBLK ARGUMENT FOR DCLEXH (LAST BYTE IN PAGE)
000001FF 0200 192 PRCNAM_SPN11 = . - 1 ; PRCNAM ARGUMENT FOR SETPRN (LAST BYTE IN PAGE)
000001FF 0200 193 PIDADR_SPR12 = . - 1 ; PIDADR ARGUMENT FOR SETPRI (LAST BYTE IN PAGE)
000001FF 0200 194 PRCNAM_SPR21 = . - 1 ; PRCNAM ARGUMENT FOR SETPRI (LAST BYTE IN PAGE)
000001FF 0200 195 PRVPRI_SPR42 = . - 1 ; PRVPRI ARGUMENT FOR SETPR (LAST BYTE IN PAGE)
000001F3 0200 196 = . - 13 ; ALLOW ROOM FOR STRING DESCRIPTOR
01F3 197 ; TYPE AAAAA_SSSX5 GO HERE:
01F3 198 PRCNAM_FEX25: ; PRCNAM ARGUMENT FOR FORCEX
01F3 199 PRCNAM_SPN15: ; PRCNAM ARGUMENT FOR SETPRN
01F3 200 PRCNAM_SPR25: ; PRCNAM ARGUMENT FOR SETPRI
00000006 01F3 201 .LONG 6 ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
000001FB' 01F7 202 .ADDRESS +4 ; STRING ADDRESS
01FB 203 ; TYPE AAAAA_SSSX3 GO HERE:
01FB 204 PRCNAM_FEX23: ; PRCNAM ARGUMENT FOR FORCEX
01FB 205 PRCNAM_SPN13: ; PRCNAM ARGUMENT FOR SETPRN
01FB 206 PRCNAM_SPR23: ; PRCNAM ARGUMENT FOR SETPRI
000001FC 01FB 207 .BLKB 1 ; LOW-ORDER BYTE OF STRING LENGTH
01FC 208 ; TYPE AAAAA_SSSX2 GO HERE:
01FC 209 PRCNAM_FEX22: ; PRCNAM ARGUMENT FOR FORCEX
01FC 210 PRCNAM_SPN12: ; PRCNAM ARGUMENT FOR SETPRN
01FC 211 PRCNAM_SPR22: ; PRCNAM ARGUMENT FOR SETPRI
00000200 01FC 212 .BLKL 1 ; STRING LENGTH
0200 213 :
0200 214 :
0200 215 :
0200 216 :
00000000 217 .PSECT SATS ACCVIO_2,RD,WRT,NOEXE,PAGE
00000200 0000 218 NOACCESS: .BLKB 512 ; RESERVE A PAGE OF SPACE
00000000 0200 219 = . - 512 ; RETURN LOC CTR TO BEGINNING OF PSECT
00000000' 0000 220 .ADDRESS EMPTY ; ADDRESS OF ACCESSIBLE STRING
00000000' 0004 221 .ADDRESS EMPTY/^X100 ; ADDRESS OF ACCESSIBLE STRING
0008 222 :+
0008 223 : *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
0008 224 : *** THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
0008 225 : *** FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
0008 226 : *** CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
0008 227 : -
0008 228 :
0008 229 :
0008 230 :

```



```
00000000 0008 231 .  
00000000 0008 232 PIDADR_FEX11: .LONG 0 ; PIDADR ARGUMENT FOR FORCEX  
00000000 000C 233 PRCNAM_FEX20: STRING I,<SFFEX20> ; PRCNAM ARGUMENT FOR FORCEX  
00000000 001B 234 PRCNAM_SPN10: STRING I,<SFSPN10> ; PRCNAM ARGUMENT FOR SETPRN  
00000000 002A 235 PIDADR_SPR11: .LONG 0 ; PIDADR ARGUMENT FOR SETPRI  
00000000 002E 236 PRCNAM_SPR20: STRING I,<SFSPR20> ; PRCNAM ARGUMENT FOR SETPRI  
00000000 237 .PSECT SATSSF06, RD, WRT, EXE, LONG
```

```

0000 239      .SBTTL  SATSSF06
0000 240      :++
0000 241      : FUNCTIONAL DESCRIPTION:
0000 242      :
0000 243      :         AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000 244      : PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000 245      : THE SATSSF06 ROUTINE EXECUTES THE TEST SERV EXEC MACRO TO RUN
0000 246      : ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF06
0000 247      : PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000 248      : OPERATING SYSTEM. TEST SERV EXEC CALLS THE TC CONTROL/TESTSERV
0000 249      : CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000 250      : CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000 251      : ITS TEST CASES WITH A TC GROUP MACRO BEFORE THE FIRST TEST CASE
0000 252      : AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000 253      : ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000 254      : NEXT TEST CASE MACRO. TC CONTROL/TESTSERV EXECUTES THE CODE
0000 255      : FOLLOWING EACH NEXT TEST CASE MACRO IMMEDIATELY BEFORE ISSUING
0000 256      : THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC CONTROL/
0000 257      : TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000 258      : TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000 259      : MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000 260      : NEXT TEST CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000 261      : FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000 262      : BY THE PREVIOUS TEST CASE.
0000 263      :
0000 264      : CALLING SEQUENCE:
0000 265      :
0000 266      :     $ RUN SATSSF06 ... (DCL COMMAND)
0000 267      :
0000 268      : INPUT PARAMETERS:
0000 269      :
0000 270      :     NONE
0000 271      :
0000 272      : IMPLICIT INPUTS:
0000 273      :
0000 274      :     NONE
0000 275      :
0000 276      : OUTPUT PARAMETERS:
0000 277      :
0000 278      :     NONE
0000 279      :
0000 280      : IMPLICIT OUTPUTS:
0000 281      :
0000 282      :     MESSAGES TO SYS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF06.
0000 283      :     THEY ARE OF THE FORM:
0000 284      :
0000 285      :     %UETP-S-SATSMS, TEST MODULE SATSSF06 BEGUN ... (BEGIN MSG)
0000 286      :     %UETP-S-SATSMS, TEST MODULE SATSSF06 SUCCESSFUL ... (END MSG)
0000 287      :     %UETP-E-SATSMS, TEST MODULE SATSSF06 FAILED ... (END MSG)
0000 288      :     %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 289      :
0000 290      : COMPLETION CODES:
0000 291      :
0000 292      :     THE SATSSF06 ROUTINE TERMINATES WITH A $EXIT TO THE
0000 293      :     OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETP$_SATSMS.
0000 294      :
0000 295      : SIDE EFFECTS:

```

	0000	296	:		
	0000	297	:	NONE	
	0000	298	:		
	0000	299	:	--	
	0000	300	:		
	0000	301	:		
	0000	302	:		
	0000	303	:	SATSSF06:	
OFFC	0000	304	:	.WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>	
	0002	305	:	: ENTRY MASK	
	0002	306	:	\$WAKE S TPID : GET PID OF THIS PROCESS	
	0011	307	:	\$HIBER S : UNDO WAKE	
	0018	308	:	\$SETPRN_S TEST MOD NAME_D : SET PROCESS NAME	
	0025	309	:	BSBW MOD MSG PRINT : PRINT TEST MODULE BEGIN MSG	
00000060'EF	0000007D'EF	DE	0028	310	MOVAL TEST MOD_SUCC,TMD_ADDR : ASSUME END MSG WILL SHOW SUCCESS
00000044'EF	03 00 01	FO	0033	311	INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS
			003C	312	MODE TO,10\$,KRNL,NOREGS : KERNEL MODE TO ACCESS PHD
59	00000000'9F	DO	0059	313	MOVL @#CTL\$GL PHD,R9 : GET PROCESS HEADER ADDRESS
	00000071'EF	DE	0060	314	MOVAL PHD\$Q PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS
			0067	315	MODE FROM,T0\$: GET BACK TO USER MODE
			0068	316	PRIV ADD,ALL : GET ALL PRIVILEGES
			0C88	317	\$CREMBX_S CHAN=MBXCHAN, LOGNAM=DETNAME, -
			0088	318	MAXMSG=#120, PROMSK=#0, BUFQUO=#240
			00AD	319	: GET MAILBOX FOR PROCESS
			00AD	320	\$GETCHN_S CHAN=MBXCHAN, PRIBUF=MBXCHANINFO
			00C7	321	: GET CHAN INFO (UNIT NUMBER)
000000EC'EF	000000AD'EF	3C	00C7	322	MOVZWL MBXCHANINFO+8+DIB\$W_UNIT,MBXUNIT
			00D2	323	: SAVE MAILBOX UNIT NUMBER
			00D2	324	MODE TO,20\$,KRNL,NOREGS : KERNEL MODE TO ACCESS PCB
59	00000000'9F	DO	00EF	325	MOVL @#SCH\$GL CURPCB,R9 : GET CURRENT PCB ADDRESS
00000091'EF	00BC C9	DO	00F6	326	MOVL PCB\$L UIC(R9),DETUIC : PICK UP UIC FROM PCB
			00FF	327	MODE FROM,20\$: ... AND GET BACK TO USER MODE
			0100	328	\$CREPRC_S IMAGE=DETIMAGE, PRCNAM=DETNAME, -
			0100	329	UIC=DETUIC, MBXUNT=MBXUNIT
			0132	330	: CREATE DETACHED PROC WITH SAME UIC
			0132	331	DISPSERV : SET UP DISPLAY INFO FOR TESTSERV
			02C7	332	\$SETPRT_S INADR=INADR, RETADR=RETADR, -
			02C7	333	PROT=PROT, PRVPRT=PRVPRT
			02E8	334	: SET NOACCESS PSECT ...
			02E8	335	: ... FOR NO USER ACCESS
110B	31		02E8	336	BRW EXECUTE : GO EXECUTE ALL TEST CASES
			02E8	337	TC_GROUP FEX,1,TS1
			0312	338	:
			0312	339	NEXT_TEST_CASE SFEX10

```
0312 340 :
0312 341 :+
0312 342 :*****
0312 343 :*
0312 344 :* TEST CASE NAME: SFFEX10
0312 345 :*
0312 346 :* SYSTEM SERVICE: FORCEX
0312 347 :*
0312 348 :* ARGUMENT UNDER TEST: PIDADR_FEX10
0312 349 :*
0312 350 :* INPUT CONDITIONS:
0312 351 :* PIDADR FIELD AT LOCATION 1
0312 352 :*
0312 353 :* EXPECTED RESULTS:
0312 354 :* 1) SYSTEM STATUS CODE: ACCVIO
0312 355 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0312 356 :*
0312 357 :*****
0312 358 :+
0312 359 :
0312 360 :
0312 361 : NEXT_TEST_CASE SFFEX11
```

```
031E 362 :  
031E 363 :  
031E 364 :*****  
031E 365 :*  
031E 366 :* TEST CASE NAME: SFFEX11  
031E 367 :*  
031E 368 :* SYSTEM SERVICE: FORCEX  
031E 369 :*  
031E 370 :* ARGUMENT UNDER TEST: PIDADR_FEX11  
031E 371 :*  
031E 372 :* INPUT CONDITIONS:  
031E 373 :* PIDADR FIELD IN NON-ACCESSIBLE PSECT  
031E 374 :*  
031E 375 :* EXPECTED RESULTS:  
031E 376 :* 1) SYSTEM STATUS CODE: ACCVIO  
031E 377 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
031E 378 :*  
031E 379 :*****  
031E 380 :--  
031E 381 :  
031E 382 :  
031E 383 : NEXT_TEST_CASE SFFEX12
```

```
032A 384 :
032A 385 :+
032A 386 :*****
032A 387 :*
032A 388 :* TEST CASE NAME:          SFFEX12
032A 389 :*
032A 390 :* SYSTEM SERVICE:         FORCEX
032A 391 :*
032A 392 :* ARGUMENT UNDER TEST:    PIDADR_FEX12
032A 393 :*
032A 394 :* INPUT CONDITIONS:
032A 395 :*   PIDADR FIELD BEGINS IN ACCESSIBLE PSECT, ENDS
032A 396 :*   IN NON-ACCESSIBLE PSECT.
032A 397 :*
032A 398 :* EXPECTED RESULTS:
032A 399 :*   1) SYSTEM STATUS CODE: ACCVIO
032A 400 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
032A 401 :*
032A 402 :*****
032A 403 :--
032A 404 :
032A 405 :
032A 406 :           NEXT_TEST_CASE  SFFEX13
```

```

0336 407 :
0336 408 :+
0336 409 :*****
0336 410 :*
0336 411 :* TEST CASE NAME:          SFFEX13
0336 412 :*
0336 413 :* SYSTEM SERVICE:         FORCEX
0336 414 :*
0336 415 :* ARGUMENT UNDER TEST:    PIDADR_FEX13
0336 416 :*
0336 417 :* INPUT CONDITIONS:
0336 418 :*   INVALID PROCESS ID
0336 419 :*
0336 420 :* EXPECTED RESULTS:
0336 421 :*   1) SYSTEM STATUS CODE: NONEXPR
0336 422 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
0336 423 :*
0336 424 :*****
0336 425 :--
0336 426 :
0336 427 :
0341 428 :   MOVL   TPID,PIDADR_FEX13 ; GET A VALID PID
0349 429 :   CVTBW #-1,PIDADR_FEX13 ; MAKE IT INVALID
0349 430 :
NEXT_TEST_CASE SFFEX14

```

```

0000174'EF 0000000'FF D0
0000174'EF FF 8F 99

```

```

0355 431 :
0355 432 :++
0355 433 :*****
0355 434 :*
0355 435 :* TEST CASE NAME:          SFFEX14
0355 436 :*
0355 437 :* SYSTEM SERVICE:         FORCEX
0355 438 :*
0355 439 :* ARGUMENT UNDER TEST:    PIDADR_FEX14
0355 440 :*
0355 441 :* INPUT CONDITIONS:
0355 442 :*   VALID, NON-EXISTENT PROCESS ID
0355 443 :*
0355 444 :* EXPECTED RESULTS:
0355 445 :*   1) SYSTEM STATUS CODE: NONEXPR
0355 446 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
0355 447 :*
0355 448 :*****
0355 449 :--
0355 450 :
0355 451 :
0355 452 :
0369 453 :
0369 454 :

```

```

0000178'EF 0000000'EF D0
000017A'EF 1770 8F  B0

```

```

MOVL  TPID,PIDADR_FEX14 ; GET AN EXISTENT PID
MOVW  #6000,PIDADR_FEX14+2 ; MAKE IT NON-EXISTENT
NEXT_TEST_CASE  SFFEX20

```



```

0375 455 :
0375 456 :++
0375 457 :*****
0375 458 :*
0375 459 :* TEST CASE NAME:          SFFEX20
0375 460 :*
0375 461 :* SYSTEM SERVICE:         FORCEX
0375 462 :*
0375 463 :* ARGUMENT UNDER TEST:   PRCNAM_FEX20
0375 464 :*
0375 465 :* INPUT CONDITIONS:
0375 466 :*   PRCNAM STRING DESCRIPTOR LENGTH FIELD IN
0375 467 :*   NON-ACCESSIBLE PSECT.
0375 468 :*
0375 469 :* EXPECTED RESULTS:
0375 470 :*   1) SYSTEM STATUS CODE: ACCVIO
0375 471 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
0375 472 :*
0375 473 :*****
0375 474 :--
00000170'EF D4 0375 475 :
0375 476 :   CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX
037B 477 :
037B 478 :   NEXT_TEST_CASE  SFFEX21

```

```
0387 479 :  
0387 480 :++  
0387 481 :*****  
0387 482 :*  
0387 483 :* TEST CASE NAME:          SFFEX21  
0387 484 :*  
0387 485 :* SYSTEM SERVICE:          FORCEX  
0387 486 :*  
0387 487 :* ARGUMENT UNDER TEST:     PRCNAM_FEX21  
0387 488 :*  
0387 489 :* INPUT CONDITIONS:  
0387 490 :*   PRCNAM STRING DESCRIPTOR LENGTH FIELD BEGINS IN  
0387 491 :*   ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
0387 492 :*  
0387 493 :* EXPECTED RESULTS:  
0387 494 :*   1) SYSTEM STATUS CODE: ACCVIO  
0387 495 :*   2) REGISTERS R2 THROUGH FP UNCHANGED  
0387 496 :*  
0387 497 :*-----  
0387 498 :--  
0387 499 :  
00000170'EF D4 0387 500 : CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX  
038D 501 :  
038D 502 : NEXT_TEST_CASE  SFFEX22
```

```

0399 503 :
0399 504 :++
0399 505 :*****
0399 506 :*
0399 507 :* TEST CASE NAME:          SFFEX22
0399 508 :*
0399 509 :* SYSTEM SERVICE:          FORCEX
0399 510 :*
0399 511 :* ARGUMENT UNDER TEST:    PRCNAM_FEX22
0399 512 :*
0399 513 :* INPUT CONDITIONS:
0399 514 :*   PRCNAM STRING DESCRIPTOR ADDRESS FIELD IN
0399 515 :*   NON-ACCESSIBLE PSECT.
0399 516 :*
0399 517 :* EXPECTED RESULTS:
0399 518 :*   1) SYSTEM STATUS CODE: ACCVIO
0399 519 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
0399 520 :*
0399 521 :******
0399 522 :--
0399 523 :
0399 524 :
0399 525 :
0399 526 :
0399 527 :

```

```

00000170'EF D4
000001FC'EF 03 9A

```

```

CLRL  PIDADR_FEX ; MAKE SURE PRCNAM IS USED BY FORCEX
MOVZBL #3,PRCNAM_FEX22 ; ESTABLISH PRCNAM STRING LENGTH
NEXT_TEST_CASE SFFEX23

```

00000170'EF D4
000001FB'EF 03 9A

```

0382 528 :
0382 529 :++
0382 530 :*****
0382 531 :*
0382 532 :* TEST CASE NAME:          SFFEX23
0382 533 :*
0382 534 :* SYSTEM SERVICE:          FORCEX
0382 535 :*
0382 536 :* ARGUMENT UNDER TEST:     PRCNAM_FEX23
0382 537 :*
0382 538 :* INPUT CONDITIONS:
0382 539 :*   PRCNAM STRING DESCRIPTOR ADDRESS FIELD BEGINS IN
0382 540 :*   ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
0382 541 :*
0382 542 :* EXPECTED RESULTS:
0382 543 :*   1) SYSTEM STATUS CODE: ACCVIO
0382 544 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
0382 545 :*
0382 546 :******
0382 547 :*-
0382 548 :
0382 549 :   CLRL  PIDADR FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX
0388 550 :   MOVZBL #3,PRCNAM_FEX23 ; ESTABLISH PRCNAM STRING LENGTH
038F 551 :
038F 552 :   NEXT_TEST_CASE  SFFEX24

```

```
03CB 553 :
03CB 554 :++
03CB 555 :*****
03CB 556 :*
03CB 557 :* TEST CASE NAME:          SFFEX24
03CB 558 :*
03CB 559 :* SYSTEM SERVICE:          FORCEX
03CB 560 :*
03CB 561 :* ARGUMENT UNDER TEST:     PRCNAM_FEX24
03CB 562 :*
03CB 563 :* INPUT CONDITIONS:
03CB 564 :*   PRCNAM STRING IN NON-ACCESSIBLE PSECT
03CB 565 :*
03CB 566 :* EXPECTED RESULTS:
03CB 567 :*   1) SYSTEM STATUS CODE: ACCVIO
03CB 568 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
03CB 569 :*
03CB 570 :*****
03CB 571 :--
03CB 572 :
00000170'EF D4 03CB 573 : CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX
03D1 574 :
03D1 575 : TCEND
```

SATSSF06
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{G 8} 16-SEP-1984 00:34:55 VAX/VMS Macro V04-00
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03D2	576	TC_GROUP	FEX,2,TS2
03F9	577		
03F9	578	NEXT_TEST_CASE	SFFEX25

```
03F9 579 :
03F9 580 :+
03F9 581 :*****
03F9 582 :*
03F9 583 :* TEST CASE NAME:          SFFEX25
03F9 584 :*
03F9 585 :* SYSTEM SERVICE:         FORCEX
03F9 586 :*
03F9 587 :* ARGUMENT UNDER TEST:   PRCNAM_FEX25
03F9 588 :*
03F9 589 :* INPUT CONDITIONS:
03F9 590 :*   PRCNAM STRING BEGINS IN ACCESSIBLE PSECT,
03F9 591 :*   ENDS IN NON-ACCESSIBLE PSECT.
03F9 592 :*
03F9 593 :* EXPECTED RESULTS:
03F9 594 :*   1) SYSTEM STATUS CODE: ACCVIO
03F9 595 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
03F9 596 :*
03F9 597 :*****
03F9 598 :--
03F9 599 :
00000170'EF D4 03F9 600 : CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX
03FF 601 :
03FF 602 : NEXT_TEST_CASE SFFEX26
```

```
040B 603 :  
040B 604 :++  
040B 605 :*****  
040B 606 :*  
040B 607 :* TEST CASE NAME:          SFFEX26  
040B 608 :*  
040B 609 :* SYSTEM SERVICE:           FORCEX  
040B 610 :*  
040B 611 :* ARGUMENT UNDER TEST:      PRCNAM_FEX26  
040B 612 :*  
040B 613 :* INPUT CONDITIONS:  
040B 614 :*   NON-EXISTENT PROCESS NAME  
040B 615 :*  
040B 616 :* EXPECTED RESULTS:  
040B 617 :*   1) SYSTEM STATUS CODE:  NONEXPR  
040B 618 :*   2) REGISTERS R2 THROUGH FP UNCHANGED  
040B 619 :*  
040B 620 :*****  
040B 621 :--  
040B 622 :  
00000170'EF D4 040B 623 :   CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX  
0411 624 :  
0411 625 :   NEXT_TEST_CASE  SFFEX27
```



```

041D 626 :
041D 627 :++
041D 628 :*****
041D 629 :*
041D 630 :* TEST CASE NAME:          SFFEX27
041D 631 :*
041D 632 :* SYSTEM SERVICE:         FORCEX
041D 633 :*
041D 634 :* ARGUMENT UNDER TEST:   PRCNAM_FEX27
041D 635 :*
041D 636 :* INPUT CONDITIONS:
041D 637 :*   INVALID PROCESS NAME (LENGTH 0)
041D 638 :*
041D 639 :* EXPECTED RESULTS:
041D 640 :*   1) SYSTEM STATUS CODE:  IVLOGNAM
041D 641 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
041D 642 :*
041D 643 :*****
041D 644 :--
041D 645 :
00000170'EF D4 041D 646 :   CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCEX
0423 647 :
0423 648 :   NEXT_TEST_CASE  SFFEX28

```

```
042F 649 :  
042F 650 : ++  
042F 651 : *****  
042F 652 : *  
042F 653 : * TEST CASE NAME: SFFEX28  
042F 654 : *  
042F 655 : * SYSTEM SERVICE: FORCEX
```

```
042F 657 : *
042F 658 : * ARGUMENT UNDER TEST:      PRCNAM_FEX28
042F 659 : *
042F 660 : * INPUT CONDITIONS:
042F 661 : *   INVALID PROCESS NAME (LENGTH 16)
042F 662 : *
042F 663 : * EXPECTED RESULTS:
042F 664 : *   1) SYSTEM STATUS CODE:  IVLOGNAM
042F 665 : *   2) REGISTERS R2 THROUGH FP UNCHANGED
042F 666 : *
042F 667 : *-----*
042F 668 : *
00000170'EF  D4 042F 669 : *
042F 670 : *   CLRL  PIDADR_FEX      ; MAKE SURE PRCNAM IS USED BY FORCECX
0435 671 : *
0435 672 : *   NEXT_TEST_CASE  SFFEX29
0435 673 : *
0435 674 : *++-----*
0435 675 : *
0435 676 : *
0435 677 : * TEST CASE NAME:      SFFEX29
0435 678 : *
0435 679 : * SYSTEM SERVICE:     FORCECX
0435 680 : *
0435 681 : * ARGUMENT UNDER TEST:  PRCNAM_FEX29
0435 682 : *
0435 683 : * INPUT CONDITIONS:
0435 684 : *   FORCECX ISSUED FOR EXISTING PROCESS WHICH IS NOT A
0435 685 : *   SUBPROCESS OF THIS PROCESS, AND THIS PROCESS HAS
0435 686 : *   NO GROUP OR WORLD PRIVILEGE.
0435 687 : *
0435 688 : * EXPECTED RESULTS:
0435 689 : *   1) SYSTEM STATUS CODE:  NOPRIV
0435 690 : *   2) REGISTERS R2 THROUGH FP UNCHANGED
0435 691 : *
0435 692 : *-----*
0435 693 : *
0435 694 : *
0435 695 : *   PRIV  REM,GROUP      ; REMOVE GROUP PRIVILEGE
00000170'EF  D4 0455 696 : *   PRIV  REM,WORLD     ; REMOVE WORLD PRIVILEGE
0475 697 : *   CLRL  PIDADR_FEX    ; MAKE SURE PRCNAM IS USED BY FORCECX
0478 698 : *
0478 699 : *   TCEND
```

SATSSF06
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:34:55 VAX/VMS Macro V04-00
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047C	700	:		
047C	701	:	TC_GROUP	DEH,1,TS3
04A3	702	:		
04A3	703	:	NEXT_TEST_CASE	SFDEH10

```
04A3 704 :  
04A3 705 :++  
04A3 706 :*****  
04A3 707 :*  
04A3 708 :* TEST CASE NAME: SFDEH10  
04A3 709 :*  
04A3 710 :* SYSTEM SERVICE: DCLEXH  
04A3 711 :*  
04A3 712 :* ARGUMENT UNDER TEST: DESBLK_DEH10  
04A3 713 :*  
04A3 714 :* INPUT CONDITIONS:  
04A3 715 :* EXIT CONTROL BLOCK AT LOCATION 0  
04A3 716 :*  
04A3 717 :* EXPECTED RESULT :  
04A3 718 :* 1) SYSTEM STATUS CODE: NOHANDLER  
04A3 719 :* 2) REGISTER R2 THROUGH FP UNCHANGED  
04A3 720 :*  
04A3 721 :*****  
04A3 722 :--  
04A3 723 :  
04A3 724 : PRIV ADD,ALL ; GET BACK SOME PRIVS REMOVED BY PRIOR T.C.  
04C3 725 :  
04C3 726 : NEXT_TEST_CASE SFDEH11
```

```
04CF 727 :  
04CF 728 :++  
04CF 729 :*****  
04CF 730 :*  
04CF 731 :* TEST CASE NAME: SFDEH11  
04CF 732 :*  
04CF 733 :* SYSTEM SERVICE: DCLEXH  
04CF 734 :*  
04CF 735 :* ARGUMENT UNDER TEST: DESBLK_DEH11  
04CF 736 :*  
04CF 737 :* INPUT CONDITIONS:  
04CF 738 :* EXIT CONTROL BLOCK IN NON-ACCESSIBLE PSECT  
04CF 739 :*  
04CF 740 :* EXPECTED RESULTS:  
04CF 741 :* 1) SYSTEM STATUS CODE: ACCVJO  
04CF 742 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
04CF 743 :*  
04CF 744 :*****  
04CF 745 :--  
04CF 746 :  
04CF 747 :  
04CF 748 : NEXT_TEST_CASE SFDEH12
```

0

```
04DB 749 :  
04DB 750 :++  
04DB 751 :*****  
04DB 752 :*  
04DB 753 :* TEST CASE NAME: SFDEH12  
04DB 754 :*  
04DB 755 :* SYSTEM SERVICE: DCLEXH  
04DB 756 :*  
04DB 757 :* ARGUMENT UNDER TEST: DESBLK_DEH12  
04DB 758 :*  
04DB 759 :* INPUT CONDITIONS:  
04DB 760 :* EXIT CONTROL BLOCK BEGINS IN ACCESSIBLE  
04DB 761 :* PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
04DB 762 :*  
04DB 763 :* EXPECTED RESULTS:  
04DB 764 :* 1) SYSTEM STATUS CODE: ACCVIO  
04DB 765 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
04DB 766 :*  
04DB 767 :*****  
04DB 768 :--  
04DB 769 :  
04DB 770 :  
04DB 771 : TCEND
```

SATSSF06
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{D 9} 16-SEP-1984 00:34:55 VAX/VMS Macro V04-00
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04DC	772	:		
04DC	773	:	TC_GROUP	SPN,1,TS4
0503	774	:		
0503	775	:	NEXT_TEST_CASE	SFSPN10


```
0503 776 :  
0503 777 :++  
0503 778 :*****  
0503 779 :*  
0503 780 :* TEST CASE NAME: SFSPN10  
0503 781 :*  
0503 782 :* SYSTEM SERVICE: SETPRN  
0503 783 :*  
0503 784 :* ARGUMENT UNDER TEST: PRCNAM_SPN10  
0503 785 :*  
0503 786 :* INPUT CONDITIONS:  
0503 787 :* PRCNAM STRING DESCRIPTOR LENGTH FIELD IN  
0503 788 :* NON-ACCESSIBLE PSECT.  
0503 789 :*  
0503 790 :* EXPECTED RESULTS:  
0503 791 :* 1) SYSTEM STATUS CODE: ACCVIO  
0503 792 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0503 793 :*  
0503 794 :*****  
0503 795 :--  
0503 796 :  
0503 797 :  
0503 798 : NEXT_TEST_CASE SFSPN11
```

```
050F 799 :  
050F 800 :++  
050F 801 :*****  
050F 802 :*  
050F 803 :* TEST CASE NAME: SFSPN11  
050F 804 :*  
050F 805 :* SYSTEM SERVICE: SETPRN  
050F 806 :*  
050F 807 :* ARGUMENT UNDER TEST: PRCNAM_SPN11  
050F 808 :*  
050F 809 :* INPUT CONDITIONS:  
050F 810 :* PRCNAM STRING DESCRIPTOR LENGTH FIELD BEGINS IN  
050F 811 :* ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
050F 812 :*  
050F 813 :* EXPECTED RESULTS:  
050F 814 :* 1) SYSTEM STATUS CODE: ACCVIO  
050F 815 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
050F 816 :*  
050F 817 :*  
050F 818 :*  
050F 819 :*  
050F 820 :*  
050F 821 :*  
NEXT_TEST_CASE SFSPN12
```

```
051B 822 :  
051B 823 :++  
051B 824 :*****  
051B 825 :*  
051B 826 :* TEST CASE NAME: SFSPN12  
051B 827 :*  
051B 828 :* SYSTEM SERVICE: SETPRN  
051B 829 :*  
051B 830 :* ARGUMENT UNDER TEST: PRCNAM_SPN12  
051B 831 :*  
051B 832 :* INPUT CONDITIONS:  
051B 833 :* PRCNAM STRING DESCRIPTOR ADDRESS FIELD IN  
051B 834 :* NON-ACCESSIBLE PSECT.  
051B 835 :*  
051B 836 :* EXPECTED RESULTS:  
051B 837 :* 1) SYSTEM STATUS CODE: ACCVIO  
051B 838 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
051B 839 :*  
051B 840 :*****  
051B 841 :--  
051B 842 :  
00001FC'EF 03 9A 051B 843 : MOVZBL #3,PRCNAM_SPN12 ; ESTABLISH STRING LENGTH  
0522 844 :  
0522 845 : NEXT_TEST_CASE SFSPN13
```

```
052E 846 :  
052E 847 :++  
052E 848 :*****  
052E 849 :*  
052E 850 :* TEST CASE NAME: SFSPN13  
052E 851 :*  
052E 852 :* SYSTEM SERVICE: SETPRN  
052E 853 :*  
052E 854 :* ARGUMENT UNDER TEST: PRCNAM_SPN13  
052E 855 :*  
052E 856 :* INPUT CONDITIONS:  
052E 857 :* PRCNAM STRING DESCRIPTOR ADDRESS FIELD BEGINS IN  
052E 858 :* ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
052E 859 :*  
052E 860 :* EXPECTED RESULTS:  
052E 861 :* 1) SYSTEM STATUS CODE: ACCVIO  
052E 862 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
052E 863 :*  
052E 864 :* *****  
052E 865 :*  
052E 866 :*  
052E 867 :*  
0535 868 :  
0535 869 :
```

000001FB'EF 03 9A

```
MOVZBL #3,PRCNAM_SPN13 ; ESTABLISH STRING LENGTH  
NEXT_TEST_CASE SFSPN14
```

```
0541 870 :  
0541 871 :++  
0541 872 :*****  
0541 873 :*  
0541 874 :* TEST CASE NAME: SFSPN14  
0541 875 :*  
0541 876 :* SYSTEM SERVICE: SETPRN  
0541 877 :*  
0541 878 :* ARGUMENT UNDER TEST: PRCNAM_SPN14  
0541 879 :*  
0541 880 :* INPUT CONDITIONS:  
0541 881 :* PRCNAM STRING IN NON-ACCESSIBLE PSECT  
0541 882 :*  
0541 883 :* EXPECTED RESULTS:  
0541 884 :* 1) SYSTEM STATUS CODE: ACCVIO  
0541 885 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0541 886 :*  
0541 887 :*****  
0541 888 :--  
0541 889 :  
0541 890 :  
0541 891 : TCEND
```

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V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:34:55 VAX/VMS Macro V04-00
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0542	892	TC_GROUP	SPN,2,TSS
0569	893		
0569	894	NEXT_TEST_CASE	SFSPN15

```
0569 895 :  
0569 896 :++  
0569 897 :*****  
0569 898 :*  
0569 899 :* TEST CASE NAME: SFSPN15  
0569 900 :*  
0569 901 :* SYSTEM SERVICE: SETPRN  
0569 902 :*  
0569 903 :* ARGUMENT UNDER TEST: PRCNAM_SPN15  
0569 904 :*  
0569 905 :* INPUT CONDITIONS:  
0569 906 :* PRCNAM STRING BEGINS IN ACCESSIBLE PSECT,  
0569 907 :* ENDS IN NON-ACCESSIBLE PSECT.  
0569 908 :*  
0569 909 :* EXPECTED RESULTS:  
0569 910 :* 1) SYSTEM STATUS CODE: ACCVIO  
0569 911 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0569 912 :*  
0569 913 :*****  
0569 914 :--  
0569 915 :  
0569 916 :  
0569 917 : NEXT_TEST_CASE SFSPN16
```

```
0575 918 :
0575 919 :++
0575 920 :*****
0575 921 :*
0575 922 :* TEST CASE NAME: SFSPN16
0575 923 :*
0575 924 :* SYSTEM SERVICE: SETPRN
0575 925 :*
0575 926 :* ARGUMENT UNDER TEST: PRCNAM_SPN16
0575 927 :*
0575 928 :* INPUT CONDITIONS:
0575 929 :* SET PROCESS NAME TO THAT ALREADY IN EXISTENCE
0575 930 :* FOR ANOTHER PROCESS WITHIN THIS GROUP.
0575 931 :*
0575 932 :* EXPECTED RESULTS:
0575 933 :* 1) SYSTEM STATUS CODE: DUPLNAM
0575 934 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0575 935 :*
0575 936 :*****
0575 937 :--
0575 938 :
0575 939 :
0575 940 : NEXT_TEST_CASE SFSPN17
```



```
0581 941 :  
0581 942 :++  
0581 943 :*****  
0581 944 :*  
0581 945 :* TEST CASE NAME: SFSPN17  
0581 946 :*  
0581 947 :* SYSTEM SERVICE: SETPRN  
0581 948 :*  
0581 949 :* ARGUMENT UNDER TEST: PRCNAM_SPN17  
0581 950 :*  
0581 951 :* INPUT CONDITIONS:  
0581 952 :* INVALID PROCESS NAME (LENGTH 0)  
0581 953 :*  
0581 954 :* EXPECTED RESULTS:  
0581 955 :* 1) SYSTEM STATUS CODE: IVLOGNAM  
0581 956 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0581 957 :*  
0581 958 :*****  
0581 959 :--  
0581 960 :  
0581 961 :  
0581 962 : NEXT_TEST_CASE SFSPN18
```

```
058D 963 :
058D 964 :++
058D 965 :*****
058D 966 :*
058D 967 :* TEST CASE NAME: SFSPN18
058D 968 :*
058D 969 :* SYSTEM SERVICE: SETPRN
058D 970 :*
058D 971 :* ARGUMENT UNDER TEST: PRCNAM_SPN18
058D 972 :*
058D 973 :* INPUT CONDITIONS:
058D 974 :* INVALID PROCESS NAME (LENGTH 16)
058D 975 :*
058D 976 :* EXPECTED RESULTS:
058D 977 :* 1) SYSTEM STATUS CODE: IVLOGNAM
058D 978 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
058D 979 :*
058D 980 :*****
058D 981 :--
058D 982 :
058D 983 :
058D 984 : TCEND
```

SATSSF06
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{B 10} 16-SEP-1984 00:34:55 VAX/VMS Macro V04-00
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058E	985	TC_GROUP	SPR,1,TS6
05B5	986		
05B5	987	NEXT_TEST_CASE	SFSPR10

```
05B5 988 :
05B5 989 :++
05B5 990 :*****
05B5 991 :*
05B5 992 :* TEST CASE NAME: SFSPR10
05B5 993 :*
05B5 994 :* SYSTEM SERVICE: SETPRI
05B5 995 :*
05B5 996 :* ARGUMENT UNDER TEST: PIDADR_SPR10
05B5 997 :*
05B5 998 :* INPUT CONDITIONS:
05B5 999 :* PIDADR FIELD AT LOCATION 1
05B5 1000 :*
05B5 1001 :* EXPECTED RESULTS:
05B5 1002 :* 1) SYSTEM STATUS CODE: ACCVIO
05B5 1003 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
05B5 1004 :*
05B5 1005 :*****
05B5 1006 :--
05B5 1007 :
05B5 1008 :
05B5 1009 : NEXT_TEST_CASE SFSPR11
```

```
05C1 1010 :
05C1 1011 :++
05C1 1012 :*****
05C1 1013 :*
05C1 1014 :* TEST CASE NAME: SFSPR11
05C1 1015 :*
05C1 1016 :* SYSTEM SERVICE: SETPRI
05C1 1017 :*
05C1 1018 :* ARGUMENT UNDER TEST: PIDADR_SPR11
05C1 1019 :*
05C1 1020 :* INPUT CONDITIONS:
05C1 1021 :* PIDADR FIELD IN NON-ACCESSIBLE PSECT
05C1 1022 :*
05C1 1023 :* EXPECTED RESULTS:
05C1 1024 :* 1) SYSTEM STATUS CODE: ACCVIO
05C1 1025 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
05C1 1026 :*
05C1 1027 :*****
05C1 1028 :--
05C1 1029 :
05C1 1030 :
05C1 1031 : NEXT_TEST_CASE SFSPR12
```

```
05CD 1032 :  
05CD 1033 :++  
05CD 1034 :*****  
05CD 1035 :*  
05CD 1036 :* TEST CASE NAME: SFSPR12  
05CD 1037 :*  
05CD 1038 :* SYSTEM SERVICE: SETPRI  
05CD 1039 :*  
05CD 1040 :* ARGUMENT UNDER TEST: PIDADR_SPR12  
05CD 1041 :*  
05CD 1042 :* INPUT CONDITIONS:  
05CD 1043 :* PIDADR FIELD BEGINS IN ACCESSIBLE PSECT, ENDS  
05CD 1044 :* IN NON-ACCESSIBLE PSECT.  
05CD 1045 :*  
05CD 1046 :* EXPECTED RESULTS:  
05CD 1047 :* 1) SYSTEM STATUS CODE: ACCVIO  
05CD 1048 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
05CD 1049 :*  
05CD 1050 :*****  
05CD 1051 :--  
05CD 1052 :  
05CD 1053 :  
05CD 1054 : NEXT_TEST_CASE SFSPR13
```

```

05D9 1055 :
05D9 1056 :++
05D9 1057 :*****
05D9 1058 :*
05D9 1059 :* TEST CASE NAME: SFSPR13
05D9 1060 :*
05D9 1061 :* SYSTEM SERVICE: SETPRI
05D9 1062 :*
05D9 1063 :* ARGUMENT UNDER TEST: PIDADR_SPR13
05D9 1064 :*
05D9 1065 :* INPUT CONDITIONS:
05D9 1066 :* INVALID PROCESS ID
05D9 1067 :*
05D9 1068 :* EXPECTED RESULTS:
05D9 1069 :* 1) SYSTEM STATUS CODE: NONEXPR
05D9 1070 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
05D9 1071 :*
05D9 1072 :*****
05D9 1073 :--
05D9 1074 :
05D9 1075 :
05E4 1076 :
05EC 1077 :
05EC 1078 :

```

```

00000190'EF 00000000'EF D0
00000190'EF FF 8F 99

```

```

MOVL TPID,PIDADR_SPR13 ; GET A VALID PID
CVTBW #-1,PIDADR_SPR13 ; MAKE IT INVALID
NEXT_TEST_CASE SFSPR14

```

```

05F8 1079 :
05F8 1080 :++
05F8 1081 :*****
05F8 1082 :*
05F8 1083 :* TEST CASE NAME:          SFSPR14
05F8 1084 :*
05F8 1085 :* SYSTEM SERVICE:         SETPRI
05F8 1086 :*
05F8 1087 :* ARGUMENT UNDER TEST:   PIDADR_SPR14
05F8 1088 :*
05F8 1089 :* INPUT CONDITIONS:
05F8 1090 :*   VALID, NON-EXISTENT PROCESS ID
05F8 1091 :*
05F8 1092 :* EXPECTED RESULTS:
05F8 1093 :*   1) SYSTEM STATUS CODE: NONEXPR
05F8 1094 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
05F8 1095 :*
05F8 1096 :*****
05F8 1097 :--
05F8 1098 :
05F8 1099 :   MOVL   TPID,PIDADR_SPR14 ; GET AN EXISTENT PID
0603 1100 :   MOVW   #6000,PIDADR_SPR14+2 ; MAKE IT NON-EXISTENT
060C 1101 :
060C 1102 :   NEXT_TEST_CASE SFSPR20

```

```

00000194'EF  00000000'EF  D0
00000196'EF  1770 8F    B0

```



```
0618 1103 :  
0618 1104 :++  
0618 1105 :*****  
0618 1106 :*  
0618 1107 :* TEST CASE NAME: SFSPR20  
0618 1108 :*  
0618 1109 :* SYSTEM SERVICE: SETPRI  
0618 1110 :*  
0618 1111 :* ARGUMENT UNDER TEST: PRCNAM_SPR20  
0618 1112 :*  
0618 1113 :* INPUT CONDITIONS:  
0618 1114 :* PRCNAM STRING DESCRIPTOR LENGTH FIELD IN  
0618 1115 :* NON-ACCESSIBLE PSECT.  
0618 1116 :*  
0618 1117 :* EXPECTED RESULTS:  
0618 1118 :* 1) SYSTEM STATUS CODE: ACCVIO  
0618 1119 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0618 1120 :*  
0618 1121 :*****  
0618 1122 :--  
0618 1123 :  
00G0018C'EF D4 0618 1124 : CLRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI  
061E 1125 :  
061E 1126 : NEXT_TEST_CASE SFSPR21
```

```
062A 1127 :  
062A 1128 :++  
062A 1129 :*****  
062A 1130 :*  
062A 1131 :* TEST CASE NAME: SFSPR21  
062A 1132 :*  
062A 1133 :* SYSTEM SERVICE: SETPRI  
062A 1134 :*  
062A 1135 :* ARGUMENT UNDER TEST: PRCNAM_SPR21  
062A 1136 :*  
062A 1137 :* INPUT CONDITIONS:  
062A 1138 :* PRCNAM STRING DESCRIPTOR LENGTH FIELD BEGINS IN  
062A 1139 :* ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
062A 1140 :*  
062A 1141 :* EXPECTED RESULTS:  
062A 1142 :* 1) SYSTEM STATUS CODE: ACCVIO  
062A 1143 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
062A 1144 :*  
062A 1145 :*****  
062A 1146 :--  
062A 1147 :  
0000018C'EF D4 062A 1148 : CLRRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI  
0630 1149 :  
0630 1150 : NEXT_TEST_CASE SFSPR22
```

```

063C 1151 :
063C 1152 :++
063C 1153 :*****
063C 1154 :*
063C 1155 :* TEST CASE NAME: SFSPR22
063C 1156 :*
063C 1157 :* SYSTEM SERVICE: SETPRI
063C 1158 :*
063C 1159 :* ARGUMENT UNDER TEST: PRCNAM_SPR22
063C 1160 :*
063C 1161 :* INPUT CONDITIONS:
063C 1162 :* PRCNAM STRING DESCRIPTOR ADDRESS FIELD IN
063C 1163 :* NON-ACCESSIBLE PSECT.
063C 1164 :*
063C 1165 :* EXPECTED RESULTS:
063C 1166 :* 1) SYSTEM STATUS CODE: ACCVIO
063C 1167 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
063C 1168 :*
063C 1169 :*****
063C 1170 :--
063C 1171 :
063C 1172 :
0642 1173 : CLRL PIDADR SPR ; MAKE SURE PRCNAM IS USED BY SETPRI
0649 1174 : MOVZBL #3,PRCNAM_SPR22 ; ESTABLISH PRCNAM STRING LENGTH
0649 1175 : NEXT_TEST_CASE SFSPR23

```

```

0000018C'EF D4
000001FC'EF 03 9A

```

```

0655 1176 :
0655 1177 :++
0655 1178 :*****
0655 1179 :*
0655 1180 :* TEST CASE NAME: SFSPR23
0655 1181 :*
0655 1182 :* SYSTEM SERVICE: SETPRI
0655 1183 :*
0655 1184 :* ARGUMENT UNDER TEST: PRCNAM_SPR23
0655 1185 :*
0655 1186 :* INPUT CONDITIONS:
0655 1187 :* PRCNAM STRING DESCRIPTOR ADDRESS FIELD BEGINS IN
0655 1188 :* ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
0655 1189 :*
0655 1190 :* EXPECTED RESULTS:
0655 1191 :* 1) SYSTEM STATUS CODE: ACCVIO
0655 1192 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0655 1193 :*
0655 1194 :*****
0655 1195 :--
0655 1196 :
0655 1197 :
0655 1198 :
0662 1199 :
0662 1200 :

```

```

0000018C'EF D4
000001FB'EF 03 9A

```

```

CLRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI
MOVZBL #3,PRCNAM_SPR23 ; ESTABLISH PRCNAM STRING LENGTH
NEXT_TEST_CASE SFSPR24

```

```
066E 1201 :  
066E 1202 :++  
066E 1203 :*****  
066E 1204 :*  
066E 1205 :* TEST CASE NAME: SFSPR24  
066E 1206 :*  
066E 1207 :* SYSTEM SERVICE: SETPRI  
066E 1208 :*  
066E 1209 :* ARGUMENT UNDER TEST: PRCNAM_SPR24  
066E 1210 :*  
066E 1211 :* INPUT CONDITIONS:  
066E 1212 :* PRCNAM STRING IN NON-ACCESSIBLE PSECT  
066E 1213 :*  
066E 1214 :* EXPECTED RESULTS:  
066E 1215 :* 1) SYSTEM STATUS CODE: ACCVIO  
066E 1216 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
066E 1217 :*  
066E 1218 :******  
066E 1219 :*--  
066E 1220 :*  
000018C'EF D4 066E 1221 : CLRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI  
0674 1222 :  
0674 1223 : NEXT_TEST_CASE SFSPR40
```

```
0680 1224 :  
0680 1225 :++  
0680 1226 :*****  
0680 1227 :*  
0680 1228 :* TEST CASE NAME: SFSPR40  
0680 1229 :*  
0680 1230 :* SYSTEM SERVICE: SETPRI  
0680 1231 :*  
0680 1232 :* ARGUMENT UNDER TEST: PRVPRI_SPR40  
0680 1233 :*  
0680 1234 :* INPUT CONDITIONS:  
0680 1235 :* PREVIOUS PRIORITY FIELD AT LOCATION 1  
0680 1236 :*  
0680 1237 :* EXPECTED RESULTS:  
0680 1238 :* 1) SYSTEM STATUS CODE: ACCVIO  
0680 1239 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0680 1240 :*  
0680 1241 :*****  
0680 1242 :--  
0680 1243 :  
0680 1244 :* PRIV ADD,SETPRI ; GET SETPRI PRIVILEGE BACK (FROM PREV T.C.)  
06A0 1245 :  
06A0 1246 :* NEXT_TEST_CASE SFSPR41
```

```
06AC 1247 :  
06AC 1248 :++  
06AC 1249 :*****  
06AC 1250 :*  
06AC 1251 :* TEST CASE NAME: SFSPR41  
06AC 1252 :*  
06AC 1253 :* SYSTEM SERVICE: SETPRI  
06AC 1254 :*  
06AC 1255 :* ARGUMENT UNDER TEST: PRVPRI_SPR41  
06AC 1256 :*  
06AC 1257 :* INPUT CONDITIONS:  
06AC 1258 :* PREVIOUS PRIORITY FIELD IN  
06AC 1259 :* NON-ACCESSIBLE PSECT.  
06AC 1260 :*  
06AC 1261 :* EXPECTED RESULTS:  
06AC 1262 :* 1) SYSTEM STATUS CODE: ACCVIO  
06AC 1263 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
06AC 1264 :*  
06AC 1265 :*****  
06AC 1266 :--  
06AC 1267 :  
06AC 1268 :  
06AC 1269 : NEXT_TEST_CASE SFSPR42
```

```
0688 1270 :  
0688 1271 :++  
0688 1272 :*****  
0688 1273 :*  
0688 1274 :* TEST CASE NAME: - SFSPR42  
0688 1275 :*  
0688 1276 :* SYSTEM SERVICE: SETPRI  
0688 1277 :*  
0688 1278 :* ARGUMENT UNDER TEST: PRVPRI_SPR42  
0688 1279 :*  
0688 1280 :* INPUT CONDITIONS:  
0688 1281 :* PREVIOUS PRIORITY FIELD BEGINS IN ACCESSIBLE  
0688 1282 :* PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
0688 1283 :*  
0688 1284 :* EXPECTED RESULTS:  
0688 1285 :* 1) SYSTEM STATUS CODE: ACCVIO  
0688 1286 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0688 1287 :*  
0688 1288 :*****  
0688 1289 :--  
0688 1290 :  
0688 1291 :  
0688 1292 : TCEND
```


SATSSF06
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{C 11} 16-SEP-1984 00:34:55 VAX/VMS Macro V04-00
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06B9	1293	TC_GROUP	SPR,2,TS7
06E0	1294		
06E0	1295	NEXT_TEST_CASE	SFSPR25

```
06E0 1296 :  
06E0 1297 :++  
06E0 1298 :*****  
06E0 1299 :*  
06E0 1300 :* TEST CASE NAME: SFSPR25  
06E0 1301 :*  
06E0 1302 :* SYSTEM SERVICE: SETPRI  
06E0 1303 :*  
06E0 1304 :* ARGUMENT UNDER TEST: PRCNAM_SPR25  
06E0 1305 :*  
06E0 1306 :* INPUT CONDITIONS:  
06E0 1307 :* PRCNAM STRING BEGINS IN ACCESSIBLE PSECT,  
06E0 1308 :* ENDS IN NON-ACCESSIBLE PSECT.  
06E0 1309 :*  
06E0 1310 :* EXPECTED RESULTS:  
06E0 1311 :* 1) SYSTEM STATUS CODE: ACCVIO
```

```
06E0 1313 : *      2) REGISTERS R2 THROUGH FP UNCHANGED
06E0 1314 : *
06E0 1315 : *****
06E0 1316 : --
06E0 1317 :
0000018C'EF D4 06E0 1318 : CLRL  PIDADR_SPR      ; MAKE SURE PRCNAM IS USED BY SETPRI
06E6 1319 :
06E6 1320 : NEXT_TEST_CASE SFSPR26
```

```
06F2 1321 :  
06F2 1322 :++  
06F2 1323 :*****  
06F2 1324 :*  
06F2 1325 :* TEST CASE NAME: SFSPR26  
06F2 1326 :*  
06F2 1327 :* SYSTEM SERVICE: SETPRI  
06F2 1328 :*  
06F2 1329 :* ARGUMENT UNDER TEST: PRCNAM_SPR26  
06F2 1330 :*  
06F2 1331 :* INPUT CONDITIONS:  
06F2 1332 :* NON-EXISTENT PROCESS NAME  
06F2 1333 :*  
06F2 1334 :* EXPECTED RESULTS:  
06F2 1335 :* 1) SYSTEM STATUS CODE: NONEXPR  
06F2 1336 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
06F2 1337 :*  
06F2 1338 :* *****  
06F2 1339 :--  
000018C'EF D4 06F2 1340 :  
06F2 1341 : CLRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI  
06F8 1342 :  
06F8 1343 : NEXT_TEST_CASE SFSPR27
```

```
0704 1344 :
0704 1345 :++
0704 1346 :*****
0704 1347 :*
0704 1348 :* TEST CASE NAME:          SFSPR27
0704 1349 :*
0704 1350 :* SYSTEM SERVICE:         SETPRI
0704 1351 :*
0704 1352 :* ARGUMENT UNDER TEST:    PRCNAM_SPR27
0704 1353 :*
0704 1354 :* INPUT CONDITIONS:
0704 1355 :*   INVALID PROCESS NAME (LENGTH 0)
0704 1356 :*
0704 1357 :* EXPECTED RESULTS:
0704 1358 :*   1) SYSTEM STATUS CODE:  IVLOGNAM
0704 1359 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
0704 1360 :*
0704 1361 :*****
0704 1362 :--
0704 1363 :
0000018C'EF D4 0704 1364 :   CLRL  PIDADR_SPR      ; MAKE SURE PRCNAM IS USED BY SETPRI
070A 1365 :
070A 1366 :   NEXT_TEST_CASE  SFSPR28
```

```
0716 1367 :
0716 1368 :++
0716 1369 :*****
0716 1370 :*
0716 1371 :* TEST CASE NAME: SFSPR28
0716 1372 :*
0716 1373 :* SYSTEM SERVICE: SETPRI
0716 1374 :*
0716 1375 :* ARGUMENT UNDER TEST: PRCNAM_SPR28
0716 1376 :*
0716 1377 :* INPUT CONDITIONS:
0716 1378 :* INVALID PROCESS NAME (LENGTH 16)
0716 1379 :*
0716 1380 :* EXPECTED RESULTS:
0716 1381 :* 1) SYSTEM STATUS CODE: IVLOGNAM
0716 1382 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0716 1383 :*
0716 1384 :*****
0716 1385 :--
0716 1386 :
000018C'EF D4 0716 1387 : CLRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI
071C 1388 :
071C 1389 : NEXT_TEST_CASE SFSPR29
071C 1390 :
071C 1391 :++
071C 1392 :*****
071C 1393 :*
071C 1394 :* TEST CASE NAME: SFSPR29
071C 1395 :*
071C 1396 :* SYSTEM SERVICE: SETPRI
071C 1397 :*
071C 1398 :* ARGUMENT UNDER TEST: PRCNAM_SPR29
071C 1399 :*
071C 1400 :* INPUT CONDITIONS:
071C 1401 :* SETPRI ISSUED FOR EXISTING PROCESS WHICH IS NOT A
071C 1402 :* SUBPROCESS OF THIS PROCESS, AND THIS PROCESS HAS
071C 1403 :* NO GROUP OR WORLD PRIVILEGE.
071C 1404 :*
071C 1405 :* EXPECTED RESULTS:
071C 1406 :* 1) SYSTEM STATUS CODE: NOPRIV
071C 1407 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
071C 1408 :*
071C 1409 :*****
071C 1410 :--
071C 1411 :
071C 1412 : PRIV REM,GROUP ; REMOVE GROUP PRIVILEGE
071C 1413 : PRIV REM,WORLD ; REMOVE WORLD PRIVILEGE
071C 1414 : CLRL PIDADR_SPR ; MAKE SURE PRCNAM IS USED BY SETPRI
071C 1415 :
071C 1416 : TCEND
```

```
071D 1417 TS1:
071D 1418 TESTSERV FORCEX,ERR,SATS,
071D 1419
071D 1420 <1,PIDADR_FEX,
071D 1421 PIDADR_FEX10,ACCVIO, - : SFFEX10
071D 1422 PIDADR_FEX11,ACCVIO, - : SFFEX11
071D 1423 PIDADR_FEX12,ACCVIO, - : SFFEX12
071D 1424 PIDADR_FEX13,NONEXPR, - : SFFEX13
071D 1425 PIDADR_FEX14,NONEXPR, - : SFFEX14
071D 1426 >,
071D 1427
071D 1428 <1,PRCNAM_FEX,
071D 1429 PRCNAM_FEX20,ACCVIO, - : SFFEX20
071D 1430 PRCNAM_FEX21,ACCVIO, - : SFFEX21
071D 1431 PRCNAM_FEX22,ACCVIO, - : SFFEX22
071D 1432 PRCNAM_FEX23,ACCVIO, - : SFFEX23
071D 1433 PRCNAM_FEX24,ACCVIO, - : SFFEX24
071D 1434 >,
071D 1435
071D 1436 <1.CODE_FEX,
071D 1437 >,
071D 1438
093F 1439 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```



```
OB71 1458 TS3:
OB71 1459 TESTSERV DCLEXH,ERR,SATS, -
OB71 1460 <1,DESBLK_DEH, -
OB71 1461 DESBLK_DEH10,NOHANDLER, - ; SFDEH10
OB71 1462 DESBLK_DEH11,ACCVIO, - ; SFDEH11
OB71 1463 DESBLK_DEH12,ACCVIO, - ; SFDEH12
OB71 1464 >, -
OB71 1465
OB71 1466
OC44 1467 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
OC64 1468 TS4:
OC64 1469 TESTSERV SETPRN,ERR,SATS, -
OC64 1470 <1,PRCNAM_SPN, -
OC64 1471 PRCNAM_SPN10,ACCVIO, - : SFSPN10
OC64 1472 PRCNAM_SPN11,ACCVIO, - : SFSPN11
OC64 1473 PRCNAM_SPN12,ACCVIO, - : SFSPN12
OC64 1474 PRCNAM_SPN13,ACCVIO, - : SFSPN13
OC64 1475 PRCNAM_SPN14,ACCVIO, - : SFSPN14
OC64 1476 >, -
OC64 1477
OC64 1478
OD47 1479 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
0D67 1480 TSS:
0D67 1481 TESTSERV SETPRN,ERR,SATS, -
0D67 1482
0D67 1483 <1,PRCNAM_SPN, -
0D67 1484 PRCNAM_SPN15,ACCVIO, - : SFSPN15
0D67 1485 PRCNAM_SPN16,DUPLNAM, - : SFSPN16
0D67 1486 PRCNAM_SPN17,IVLOGNAM, - : SFSPN17
0D67 1487 PRCNAM_SPN18,IVLOGNAM, - : SFSPN18
0D67 1488 >, -
0D67 1489
0E42 1490 TS_CLEANUP : CLEAN UP & RETJRN TO TEST_SERV_EXEC
```

```
OE62 1491 TS6:
OE62 1492 TESTSERV SETPRI,ERR,SATS,
OE62 1493
OE62 1494 <1,PIDADR_SPR,
OE62 1495 PIDADR_SPR10,ACCVIO, - : SFSPR10
OE62 1496 PIDADR_SPR11,ACCVIO, - : SFSPR11
OE62 1497 PIDADR_SPR12,ACCVIO, - : SFSPR12
OE62 1498 PIDADR_SPR13,NONEXPR, - : SFSPR13
OE62 1499 PIDADR_SPR14,NONEXPR, - : SFSPR14
OE62 1500 >,
OE62 1501
OE62 1502 <1,PRCNAM_SPR,
OE62 1503 PRCNAM_SPR20,ACCVIO, - : SFSPR20
OE62 1504 PRCNAM_SPR21,ACCVIO, - : SFSPR21
OE62 1505 PRCNAM_SPR22,ACCVIO, - : SFSPR22
OE62 1506 PRCNAM_SPR23,ACCVIO, - : SFSPR23
OE62 1507 PRCNAM_SPR24,ACCVIO, - : SFSPR24
OE62 1508 >,
OE62 1509
OE62 1510 <1,PRI_SPR,
OE62 1511 >,
OE62 1512
OE62 1513 <1,PRVPRI_SPR,
OE62 1514 PRVPRI_SPR40,ACCVIO, - : SFSPR40
OE62 1515 PRVPRI_SPR41,ACCVIO, - : SFSPR41
OE62 1516 PRVPRI_SPR42,ACCVIO, - : SFSPR42
OE62 1517 >,
OE62 1518
1130 1519 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
1150 1520 TS7:
1150 1521 TESTSERV SETPRI,ERR,SATS,
1150 1522
1150 1523 <1,PIDADR_SPR,
1150 1524 >,
1150 1525
1150 1526 <1,PRCNAM_SPR,
1150 1527 PRCNAM_SPR25,ACCVIO, - : SFSPR25
1150 1528 PRCNAM_SPR26,NONEXPR, - : SFSPR26
1150 1529 PRCNAM_SPR27,IVLOGNAM, - : SFSPR27
1150 1530 PRCNAM_SPR28,IVLOGNAM, - : SFSPR28
1150 1531 PRCNAM_SPR29,NOPRIV, - : SFSPR29
1150 1532 :
1150 1533 >,
1150 1534 <1,PRI_SPR,
1150 1535 >,
1150 1536
1150 1537 <1,PRVPRI_SPR,
1150 1538 >,
1150 1539
13D6 1540 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

0000044'EF C' 1C 0138 30
01 FO

```

13F6 1541 .SBTTL EXECUTE & CLEANUP
13F6 1542 EXECUTE:
13F6 1543 TEST_SERV_EXEC ; EXECUTE ALL T. CASES IN ALL GROUPS
143C 1544 CLEANUP:
143C 1545 PRIV ADD,ALL ; ENSURE THAT ALL PRIVS ARE PRESENT
145C 1546 $WAKE_S PRCNAM=DETNAME ; WAKE DETACHED PROCESS ...
146B 1547 ; ... TO ALLOW HIS EXIT
146B 1548 $QIOW_S CHAN=MBXCHAN, FUNC=#IOS READVBLK, -
146B 1549 P1=MBXBUFF+8, P2=MBXBUFF
1494 1550 ; ... AND WAIT 4 PROC TO BE DELETED
1494 1551 $DELMBX_S MBXCHAN ; DELETE TERMINATION MAILBOX
14A2 1552 BSBW MOD_MSG PRINT ; PRINT TEST MODULE END MSG
14A5 1553 INSV #1, #STSSV_INHIB_MSG, #1, MOD_MSG_CODE
14AE 1554 ; INHIBIT PRINTING
14AE 1555 $EXIT_S MOD_MSG_CODE ; EXIT TO OP SYS WITH MSG CODE

```

```
1488 1557 .SBTTL TC_CONTROL
1488 1558 :++
1488 1559 : FUNCTIONAL DESCRIPTION:
1488 1560 :
1488 1561 : THE TC CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
1488 1562 : MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
1488 1563 : MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV MACRO.
1488 1564 : TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
1488 1565 : STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
1488 1566 : SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
1488 1567 : DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC CONTROL USES A
1488 1568 : CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV MACRO
1488 1569 : IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
1488 1570 : TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
1488 1571 : THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE.
1488 1572 : THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED
1488 1573 : STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
1488 1574 : IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC CONTROL)
1488 1575 : RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP MACRO)
1488 1576 : FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC_CONTROL WHICH
1488 1577 : IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
1488 1578 : TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
1488 1579 :
1488 1580 : CALLING SEQUENCE:
1488 1581 :
1488 1582 : BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC MACRO)
1488 1583 : (RSB IS ISSUED WITHIN THE TS_CLEANUP MACRO)
1488 1584 :
1488 1585 : INPUT PARAMETERS:
1488 1586 :
1488 1587 : NONE
1488 1588 :
1488 1589 : IMPLICIT INPUTS:
1488 1590 :
1488 1591 : ARGUMENTS SPECIFIED ON EACH TESTSERV MACRO MAY BE VIEWED AS
1488 1592 : INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.
1488 1593 :
1488 1594 : OUTPUT PARAMETERS:
1488 1595 :
1488 1596 : SEVERITY CODE FIELD OF MOD MSG CODE (BITS 0,1,2) IS SET TO ERROR
1488 1597 : IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
1488 1598 : SET TO SUCCESSFUL.
1488 1599 :
1488 1600 : IMPLICIT OUTPUTS:
1488 1601 :
1488 1602 : XUETP-I-TEXT, ERROR MESSAGES ARE WRITTEN TO SYSS$OUTPUT BY
1488 1603 : THE TESTSERV MACRO (CO-ROUTINE WITH TC_CONTROL)
1488 1604 :
1488 1605 : COMPLETION CODES:
1488 1606 :
1488 1607 : NONE
1488 1608 :
1488 1609 : SIDE EFFECTS:
1488 1610 :
1488 1611 : NONE
1488 1612 :
1488 1613 :--
```

```

14BB 1614
14BB 1615
14BB 1616
14BB 1617 TC_CONTROL:
00000064'EF DD 14BB 1618 PUSHL TS_EP ; PUSH TESTSERV ENTRY POINT
          9E 16 14C1 1619 JSB @ (SP)+ ; ENTER TESTSERV INITIALIZATION
00000056'EF 20 90 14C3 1620 10$: MOV B #^A/ /,$$STN$$+2 ; PROCESS NEXT TEST CASE
          002F 30 14CA 1622 BSBW REG SAVE ; MAKE SURE T.C. NAME HAS A BLANK
00000004'FF 16 14CD 1623 JSB @CURRENT_TC ; SAVE REGISTERS
          0037 30 14D3 1624 BSBW REG REST ; JUMP TO CURRENT TEST CASE
          9E 16 14D6 1625 JSB @ (SP)+ ; RESTORE REGS FOR TESTSERV
          0042 30 14D8 1626 BSBW REG_COMP ; LET TESTSERV ISSUE SYSTEM SERVICE
          9E 16 14DB 1627 ; COMPARE REGS TO SEE IF
00000056'EF 2A 91 14DD 1629 JSB @ (SP)+ ; ... SYSTEM SERVICE CHANGED ANY
          DD 12 14E4 1630 CMPB #^A/*/,$$STN$$+2 ; LET TESTSERV CHEK S.S. STATUS CODE
00000060'EF 00000088'EF DE 14E6 1631 BNEQU 10$ ; HAS TESTSERV INDICATED FAILURE ?
00000044'EF 03 00 02 FO 14F1 1632 MOVAL TEST MOD FAIL,TMD_ADDR ; NO -- PROCESS NEXT TEST CASE
          C7 11 14FA 1633 INSV #ERROR,#0,#3,MOD_MSG_CODE ; YES -- INDICATE FAILED IN END MSG
          ; ADJUST STATUS CODE FOR ERROR
          ; LOOP BAK TO PROCESS NEXT TEST CASE
14FC 1634 ;
14FC 1635 ; TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)
14FC 1636 ;

```



```

14FC 1638 .SBTTL SUBROUTINES
14FC 1639 REG_SAVE:
14FC 1640 :
14FC 1641 : *****
14FC 1642 : *
14FC 1643 : * SAVES R0 THRU SP IN REG_SAVE_AREA
14FC 1644 : *
14FC 1645 : *****
14FC 1646 :
00000008'EF 7FFF 8F BB 14FC 1647 PUSHR #R0_THRU_SP ; SAVE ALL REGS ON STACK
6E 3C 28 1500 1648 MOVCL #60,(SP),REG_SAVE_AREA ; SAVE REGS (BEFORE S.S.)
7FFF 8F BA 1508 1649 POPR #R0_THRU_SP ; CLEAN UP STACK
05 150C 1650 RSB ; .... AND RETURN
150D 1651 :
150D 1652 :
150D 1653 :
150D 1654 :
150D 1655 REG_REST:
150D 1656 :
150D 1657 : *****
150D 1658 : *
150D 1659 : * RESTORES R0 THRU SP FROM REG_SAVE_AREA
150D 1660 : *
150D 1661 : *****
150D 1662 :
6E 00000008'EF 5E 3C C2 150D 1664 SUBL2 #60,SP ; MOVE SP TO MAKE ROOM FOR REGS
EF 3C 28 1510 1665 MOVCL #60,REG_SAVE_AREA,(SP) ; MOVE REGS ONTO STACK FOR POP
7FFF 8F BA 1518 1666 POPR #R0_THRU_SP ; RESTORE ALL REGS FOR TESTSERV
05 151C 1667 RSB ; ... AND RETURN

```

```

151D 1669 REG_COMP:
151D 1670 :
151D 1671 : *****
151D 1672 : *
151D 1673 : * 1) PUSHES ALL REGS ONTO STACK *
151D 1674 : * 2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING *
151D 1675 : * IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED *
151D 1676 : * IN REG_COMP_MASK. *
151D 1677 : * 3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED *
151D 1678 : * (USING $FAO AND $OUTPUT SYSTEM SERVICES). *
151D 1679 : * 4) POPS ALL REGS OFF OF STACK *
151D 1680 : *
151D 1681 : *****
151D 1682 :
56 7FFF 8F BB 151D 1683 PUSHR #R0_THRU_SP ; SAVE ALL REGISTERS ON STACK
00000008'EF DE 1521 1684 MOVAL REG_SAVE_AREA,R6 ; POINT R6 TO BEG OF
54 5E D0 1528 1685 ; ; REGS (BEFORE S.S.)
009F 31 1536 1693 BRW REG_COMP_RSB ; POINT R4 TO BEG OF
53 FF 8F 98 152B 1687 ; ; REGS (AFTER S.S.)
152B 1688 CVTBL #-1,R3 ; INITIALIZE REG_COMP_MASK INDEX
152F 1689 REG_COMP_NEXT:
53 53 D6 152F 1690 INCL R3 ; POINT TO NEXT BIT IN MASK
53 0F 91 1531 1691 CMPB #15,R3 ; END OF THE MASK ?
03 1A 1534 1692 BGTRU REG_COMP_CONT ; NO -- CONTINUE
009F 31 1536 1693 BRW REG_COMP_RSB ; YES -- GO TO COMMON RETURN
84 86 D1 1539 1694 REG_COMP_CONT:
E9 00000000'EF 53 E1 153E 1697 BEQLU REG_COMP_NEXT ; REG BEFORE = REG AFTER ?
00000048'EF 53 D0 1546 1698 BBC R3,REG_COMP_MASK,REG_COMP_NEXT ; YES -- LOOK FOR NEXT REG
0000004C'EF FC A6 D0 154D 1700 MOVL R3,CLOB_REG_NO ; NO -- GET NEXT IF BIT NOT SET
00000050'EF FC A4 D0 1555 1701 MOVL -4(R6),REG_BEFORE_SS ; NO -- GIVE REG NUMBER TO FAO
00000056'EF 2A 90 155D 1702 MOVL -4(R4),REG_AFTER_SS ; GIVE 'BEFORE' CONTENTS TO FAO
MOV B #^A/^/, $$TSTN$$+2 ; GIVE 'AFTER' CONTENTS TO FAO
; GIVE FAILURE INDIC'N IN ERROR MSG
1564 1703 :
1564 1704 : $FAO_S ERR_MSG FAOCTL,OUTL,OUTD,$$SNAD$$, -
1564 1705 : $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
1597 1706 :
EC20 CF EBEA CF B0 1597 1707 MOVW OUTL,OUTD ; ACTUAL OUTPUT LEN IN STRING DESC'R
159E 1708 PUTMSG <#UETPS TEXT,#1,#OUTD> ; PRINT THE MSG
EC04 CF 0084 8F B0 15B3 1709 MOVW #OUTE-00TB,OUTD ; GET MAX LEN BACK INTO DESCRIPTOR
00000056'EF 20 90 15BA 1710 MOV B #^A/ /,$$TSTN$$+2 ; REMOVE FAIL INDIC'N FOR NEXT MSG
00000060'EF 00000088'EF DE 15C1 1711 MOVAL TEST_MOD_FAIL,TMD_ADDR ; INDICATE FAILED IN END MSG
00000044'EF 03 00 02 FO 15CC 1712 INSV #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
FF57 31 15D5 1713 BRW REG_COMP_NEXT ; GO LOOK FOR NEXT REG TO COMPARE
15D8 1714 REG_COMP_RSB:
7FFF 8F BA 15D8 1715 POPR #R0_THRU_SP ; CLEAN UP STACK
05 15DC 1716 RSB ; RETURN TO CALLER

```

```

15DD 1718 MOD_MSG_PRINT:
15DD 1719 :
15DD 1720 : *****
15DD 1721 : *
15DD 1722 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES *
15DD 1723 : * (USING THE PUTMSG MACRO). *
15DD 1724 : *
15DD 1725 : *****
15DD 1726 :
05 15DD 1727 PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> : PRINT MSG
15F8 1728 RSB ; ... AND RETURN TO CALLER
15F9 1729 :
15F9 1730 CHMRTN:
15F9 1731 : *****
15F9 1732 : *
15F9 1733 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
15F9 1734 : * A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
15F9 1735 : * BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES
15F9 1736 : * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
15F9 1737 : * THE EFFECT OF RETURNING TO THE END OF THE MODE
15F9 1738 : * MACRO EXPANSION.
15F9 1739 : *
15F9 1740 : *****
00000079'FF 0000 15F9 1741 :
15F9 1742 .WORD 0 ; ENTRY MASK
15FB 1743 JMP @CHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
1601 1744 :
1601 1745 : * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
1601 1746 :
1601 1747 .END SATSSF06

```

```

$$$CHARS          = 00000048
$$$FIRSTTC$$$    = 00000000
$$$STRINGS       = 00000000
SSACT$$          = 0000019D R    06
SSARG$$          = 000001A5 R R   06
SSASEQ$$        = 00000195 R R   06
SSCALL$$        = 00000189 R R   06
SSDISP$$        = 00000290 R R   06
SSERR$$         = 0000024A R R   06
SSEXP$$         = 000001A1 R R   06
SSINIT$$        = 0000018D R R   06
SSMAXP$$        = 00000005
SSPSEQ$$        = 00000199 R R   06
SSSNAD$$        = 00000191 R R   06
$$T1            = 00000004
$$T2            = 00000009
$$TSTN$$        = 00000054 R    03
CHMRTN          = 000015F9 R R   06
CHM_CONT        = 00000079 R R   03
CLEANUP         = 0000143C R R   06
CLOB_REG_NO     = 00000048 R R   03
CODE_FEX        = 00000133 R R   02
CTL$GL_PHD     = ***** X    06
CURRENT_TC      = 00000004 R X   03
DESBK_DEH      = 0000017C R R   03
DESBK_DEH10    = 00000000
DESBK_DEH11    = 00000137 R R   02
DESBK_DEH12    = 000001FF R R   04
DETFLAG        = 00000040
DETIMAGE       = 000000BD R R   02
DETNAME        = 000000DC R R   02
DETUIC         = 00000091 R R   03
DIBSW_UNIT     = 0000000C
EMPTY          = 00000000 R R   04
ERROR          = 00000002
ERR_MSG_FAOCTL = 00000002 R R   02
EXECUTE        = 000013F6 R R   06
GRP_TOTAL      = 0000C007
INADR          = 000000A9 R R   02
INFO           = 00000003
IOS_READVBLK   = ***** X    06
LIB$SIGNAL     = ***** X    06
MBXBUF         = 000000F0 R X   03
MBXCHAN        = 00000095 R R   03
MBXCHAN:INFO   = 00000099 R R   03
MBXUNIT        = 000000EC R R   03
MEXIT         = 00000000
MOD_MSG_CODE   = 00000044 R R   03
MOD_MSG_PRINT  = 000015DD R R   06
NARGS         = 0000000E
NOACCESS       = 00C00000 R R   05
NSSARGS        = 00000004
ONES           = 000000B5 R R   02
OUTB           = 000001C6 R R   06
OUTD           = 000001BE R R   06
OUTE           = 0000024A R R   06
OUTL           = 00000185 R R   06
    
```

```

PCBSL_UIC
PHDSQ_PRIVMSK
PIDADR_FEX
PIDADR_FEX10
PIDADR_FEX11
PIDADR_FEX12
PIDADR_FEX13
PIDADR_FEX14
PIDADR_SPR
PIDADR_SPR10
PIDADR_SPR11
PIDADR_SPR12
PIDADR_SPR13
PIDADR_SPR14
PRCNAM_FEX
PRCNAM_FEX20
PRCNAM_FEX21
PRCNAM_FEX22
PRCNAM_FEX23
PRCNAM_FEX24
PRCNAM_FEX25
PRCNAM_FEX26
PRCNAM_FEX27
PRCNAM_FEX28
PRCNAM_SPN
PRCNAM_SPN10
PRCNAM_SPN11
PRCNAM_SPN12
PRCNAM_SPN13
PRCNAM_SPN14
PRCNAM_SPN15
PRCNAM_SPN16
PRCNAM_SPN17
PRCNAM_SPN18
PRCNAM_SPR
PRCNAM_SPR20
PRCNAM_SPR21
PRCNAM_SPR22
PRCNAM_SPR23
PRCNAM_SPR24
PRCNAM_SPR25
PRCNAM_SPR26
PRCNAM_SPR27
PRCNAM_SPR28
PRIVMSK
PRIV_ARGS
PRI_SPR
PROT
PRT$C_NA
PRVSV_GROUP
PRVSV_SETPRI
PRVSV_WORLD
PRVPRI_SPR
PRVPRI_SPR40
PRVPRI_SPR41
PRVPRI_SPR42
PRVPRT
    
```

```

= 000000BC
= 00000000
00000170 R    03
= 00000001
00000008 R    05
= 000001FF R R   04
00000174 R R   03
00000178 R R   03
0000018C R R   03
= 00000001
0000002A R    05
= 000001FF R R   04
00000190 R R   03
00000194 R R   03
000000F0 R R   02
0000000C R R   05
= 000001FF R R   04
000001FC R R   04
000001FB R R   04
00000100 R R   02
000001F3 R R   04
00000108 R R   02
00000117 R R   02
0000011B R R   02
00000147 R R   02
00000018 R R   05
= 000001FF R R   04
000001FC R R   04
000001FB R R   04
00000159 R R   02
000001F3 R R   04
= 000000DC R R   02
00000161 R R   02
00000165 R R   02
0000017D R R   02
0000002E R R   05
= 000001FF R R   04
000001FC R R   04
000001FB R R   04
0000018D R R   02
000001F3 R R   04
00000195 R R   02
000001A4 R R   02
000001A8 R R   02
00000071 R R   03
= 00000002
000001C0 R R   02
000000B1 R R   02
***** X    02
= 00000008
= 0000000D
= 00000010
00000198 R R   03
= 00000001
000001C4 R R   02
= 000001FF R R   04
00000070 R R   03
    
```

SATSSF06
Symbol table

RO_THRU_SP	= 00007FFF		
REGS	0000007D	R	03
REG_AFTER_SS	00000050	R R	03
REG_BEFORE_SS	0000004C	R R	03
REG_COMP	0000151D	R R	06
REG_COMP_CONT	00001539	R R	06
REG_COMP_MASK	00000000	R	02
REG_COMP_NEXT	0000152F	R R	06
REG_COMP_RSB	000015D8	R R	06
REG_REST	0000150D	R R	06
REG_SAVE	000014FC	R R	06
REG_SAVE_AREA	00000008	R R	03
RETADR	00000068	R R	03
SATSSF06	00000000	R	06
SCH\$GL_CURPCB	*****	X	06
SEVERE	= 00000004		
SHR\$K_SHRDEF	= 00000001		
SHR\$ TEXT	= 00001130		
SS\$ ACCVIO	*****	X	06
SS\$ DUPLNAM	*****	X	06
SS\$ IVLOGNAM	*****	X	06
SS\$ NOHANDLER	*****	X	06
SS\$ NONEXPR	*****	X	06
ST\$V INHIB_MSG	= 0000001C		
SUCCESS	= 00000001		
SY\$CMKRNL	*****	GX	06
SY\$CREMBX	*****	GX	06
SY\$CREPRC	*****	GX	06
SY\$DCLEXH	*****	GX	06
SY\$DELMBX	*****	GX	06
SY\$EXIT	*****	GX	06
SY\$FAO	*****	X	06
SY\$FAOL	*****	GX	06
SY\$FORCEX	*****	GX	06
SY\$GETCHN	*****	GX	06
SY\$HIBER	*****	GX	06
SY\$QIOW	*****	GX	06
SY\$SETPRI	*****	GX	06
SY\$SETPRN	*****	GX	06
SY\$SETPRT	*****	GX	06
SY\$SETPRV	*****	GX	06
SY\$WAKE	*****	GX	06
TC1	000002EB	R	06
TC2	000003D2	R	06
TC3	0000047C	R	06
TC4	000004DC	R	06
TC5	00000542	R	06
TC6	0000058E	R	03
TC7	00000689	R	03
TCG_NO	= 00000007		
TC CONTROL	0000148B	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	0000071D	R	06
TS2	0000095F	R	06
TS3	00000871	R	06
TS4	00000C64	R	06
TS5	00000D67	R	06
TS6	00000E62	R	06
TS7	00001150	R	06
TS_EP	00000064	R	03
TTRNAME	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
\$AB\$\$	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	000001C8 (456.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	0000019C (412.)	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
SATSSF06	00001601 (5633.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	39	00:00:00.10	00:00:00.47
Command processing	144	00:00:00.68	00:00:03.16
Pass 1	485	00:00:22.68	00:00:46.24
Symbol table sort	0	00:00:01.39	00:00:03.02
Pass 2	377	00:00:06.20	00:00:13.90
Symbol table output	36	00:00:00.20	00:00:00.42
Psect synopsis output	7	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	1090	00:00:31.29	00:01:07.25

The working set limit was 900 pages.
125576 bytes (246 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 684 non-local and 224 local symbols.
1747 source lines were read in Pass 1, producing 37 object records in Pass 2.
72 pages of virtual memory were used to define 55 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	28
TOTALS (all libraries)	49

1342 GETS were required to define 49 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSF06/OBJ=OBJ\$:SATSSF06 MSRC\$:SATSSF06/UPDATE=(ENH\$:SATSSF06)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

