


```

SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  SSSSSSSS  000000  5555555555
SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  SSSSSSSS  000000  5555555555
SS        AA      AA      TT        SS        SS        SS        00      00      55
SS        AA      AA      TT        SS        SS        SS        00      00      55
SS        AA      AA      TT        SS        SS        SS        00      0000    555555
SS        AA      AA      TT        SS        SS        SS        00      0000    555555
SSSSSSS   AA      AA      TT        SSSSSSS  SSSSSSS  SSSSSSS  00      00      55
SSSSSSS   AA      AA      TT        SSSSSSS  SSSSSSS  SSSSSSS  00      00      55
SS        AA      AA      TT        SS        SS        SS        0000    00      55
SS        AA      AA      TT        SS        SS        SS        0000    00      55
SS        AA      AA      TT        SS        SS        SS        00      00      55
SS        AA      AA      TT        SSSSSSSS  SSSSSSSS  SSSSSSSS  000000  555555
SSSSSSSS  AA      AA      TT        SSSSSSSS  SSSSSSSS  SSSSSSSS  000000  555555

```

```

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)	57	DECLARATIONS
(1)	236	R/W PSECT
(1)	390	SATSSS05
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(2)	1329	MODE_ID

```
0000 1 .TITLE SATSSS05 - SATS SYSTEM SERVICE TESTS (SUCC 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 SATSSS05 module tests the execution of the following
0000 33 VMS system services:
0000 34
0000 35 $SNDACC
0000 36 $SNDERR
0000 37 $SNDOPR
0000 38 $SNDMSB
0000 39
0000 40
0000 41 ENVIRONMENT: User mode image.
0000 42 Needs CMKRNL privilege and dynamically acquires other
0000 43 privileges, as needed.
0000 44
0000 45 AUTHOR: Larry D. Jones, CREATION DATE: JULY, 1978
0000 46
0000 47 MODIFIED BY:
0000 48
0000 49 V03-002 PCG0001 Peter C. George 16-Feb-1981
0000 50 Add OPCMSG macro expansion
0000 51
0000 52 V03-001 LDJ0001 Larry D. Jones 17-Sep-1980
0000 53 Modified to conform to new build command procedures.
0000 54 **
0000 55 --
```

```
0000 57 .SBTTL DECLARATIONS
0000 58 :
0000 59 : MACRO LIBRARY CALLS
0000 60 :
0000 61 $ACCDEF : accounting definitions
0000 62 $DIBDEF : device info block offsets
0000 63 $EMBDEF : error log buffer definitions
0000 64 $JBCMSGDEF : job controller definitions
0000 65 $OPCDEF : operator communications def.
0000 66 $OPCMG : operator communications messages
0000 67 $OPRDEF : operator message definitions
0000 68 $PHDDEF : process header definitions
0000 69 $PRVDEF : privilege definitions
0000 70 $SHR MESSAGES UETP,116,<<TEXT,INFO>> : UETPS TEXT definition
0000 71 $SMRDEF : symbiot manager definitions
0000 72 $STSDEF : STS definitions
0000 73 $UETPDEF : UETP message definitions
0000 74 :
0000 75 : Equated symbols
0000 76 :
00000000 0000 77 WARNING = 0 : warning severity value for msgs
00000001 0000 78 SUCCESS = 1 : success
00000002 0000 79 ERROR = 2 : error
00000003 0000 80 INFO = 3 : information
00000004 0000 81 SEVERE = 4 : fatal
0000 82 :
0000000D 0000 83 CR = 13 : terminal definitions
0000000A 0000 84 LF = 10
0000 85 :
00000006 0000 86 FIDSIZ = 6 : ID sizes
00000006 0000 87 DIDSIZ = 6
00000014 0000 88 FILNAMSIZ = 20
00000007 0000 89 COM_FIL_SIZ = 7
0000 90 :
00000064 0000 91 BUF_SIZE=100 : buffer size
0000 92 :
0000 93 ALL_OPR = OPCSM_NM_CENTRL!OPCSM_NM_PRINT!-
0000 94 OPCSM_NM_TAPES!OPCSM_NM_DISKS!-
0000 95 OPCSM_NM_DEVICE!OPCSM_NM_OPER1!-
0000 96 OPCSM_NM_OPER2!OPCSM_NM_OPER3!-
0000 97 OPCSM_NM_OPER4!OPCSM_NM_OPER5!-
0000 98 OPCSM_NM_OPER6!OPCSM_NM_OPER7!-
0000 99 OPCSM_NM_OPER8!OPCSM_NM_OPER9!-
00FF01F 0000 100 OPCSM_NM_OPER10!OPCSM_NM_OPER11!-
0000 101 OPCSM_NM_OPER12
0000 102 :
0000 103 : ***** NOTE *****
0000 104 :
0000 105 : THE FOLLOWING DEFINITION IS TO BE REMOVED WHEN VMS RELEASE 2 IS FIXED.
0000 106 :
00000008 0000 107 SNDACCS_CHAN = 8
0000 108 : MACROS
0000 109 :
```

```

00000000 111 .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000 112
35 30 53 53 53 54 41 53 00' 0000 113 TEST_MOD_NAME:
08 0000 114 .ASCIC /SATSSS05/ ; needed for SATSMS message
53 53 53 54 41 53 00000011'010E0000' 0009 115 TEST_MOD_NAME_D:
35 30 0017 116 .ASCIC /SATSSS05/ ; module name
0019 117 TEST_MOD_BEGIN:
6E 75 67 65 62 00' 0019 118 .ASCIC /begun/
05 0019
6C 75 66 73 73 65 63 63 75 73 00' 001F 119 TEST_MOD_SUCC:
0A 001F 120 .ASCIC /successful/
002A 121 TEST_MOD_FAIL:
64 65 6C 69 61 66 00' 002A 122 .ASCIC /failed/
06 002A
43 43 41 44 4E 53 00' 0031 123 SNDACC:
06 0031 124 .ASCIC /SNDACC/
0038 125 SNDERR:
52 52 45 44 4E 53 00' 0038 126 .ASCIC /SNDERR/
06 0038
003F 127 SNDOPR:
52 50 4F 44 4E 53 00' 003F 128 .ASCIC /SNDOPR/
06 003F
0046 129 SNDSMB:
42 4D 53 44 4E 53 00' 0046 130 .ASCIC /SNDSMB/
06 0046
004D 131 CS1:
21 20 74 73 65 54 00000055'010E0000' 004D 132 .ASCIC \Test !AC service name !AC step !UL failed.\
6E 20 65 63 69 76 72 65 73 20 43 41 005B
70 65 74 73 20 43 41 21 20 65 6D 61 0067
2E 64 65 6C 69 61 66 20 4C 55 21 20 0073
007F 133 CS2:
74 63 65 70 78 45 00000087'010E0000' 007F 134 .ASCIC \Expected !AS = !XL received !AS = !XL\
4C 58 21 20 3D 20 53 41 21 20 64 65 008D
41 21 20 64 65 76 69 65 63 65 72 20 0099
4C 58 21 20 3D 20 53 00A5
00AC 135 CS3:
74 63 65 70 78 45 000000B4'010E0000' 00AC 136 .ASCIC \Expected !AS!UB = !XL received !AS!UB = !XL\
20 3D 20 42 55 21 53 41 21 20 64 65 00BA
64 65 76 69 65 63 65 72 20 4C 58 21 00C6
58 21 20 3D 20 42 55 21 53 41 21 20 00D2
4C 00DE
00DF 137 CS5:
77 20 65 64 6F 4D 000000E7'010E0000' 00DF 138 .ASCIC \Mode was !AS.\
2E 53 41 21 20 73 61 00ED
00F4 139 CS6:
74 63 65 70 78 45 000000FC'010E0000' 00F4 140 .ASCIC \Expected byte offset !UB(10) = !XB(16) received !XB(16).\
73 66 66 6F 20 65 74 79 62 20 64 65 0102
3D 20 29 30 31 28 42 55 21 20 74 65 010E
63 65 72 20 29 36 31 28 42 58 21 20 011A
36 31 28 42 58 21 20 64 65 76 69 65 0126
2E 29 0132
72 65 73 75 0000013C'010E0000' 0134 141 UM:
142 .ASCIC \user\

```

```

42 4D 24 54 53 53 00000148'010E0000' 0140 143 MBNAM:
58 0140 144 .ASCID \SST$MBX\
014E
41 54 54 5F 00' 014F 145 TTNAM:
04 014F 146 .ASCIC \_TTA\ ; terminal name to send opr messages to
0001 0154 147 TTUNIT:
0154 148 .WORD 1 ; unit number for above
0156 149 EXP:
73 75 74 61 74 73 0000015E'010E0000' 0156 150 .ASCID \status\
0164 151 BAT_IMP_EXC:
20 68 63 74 61 42 0000016C'010E0000' 0164 152 .ASCID \Batch job improperly executed.\
72 65 70 6F 72 70 6D 69 20 62 6F 6A 0172
2E 64 65 74 75 63 65 78 65 20 79 6C 017E
00000003 018A 153 YES_DESC:
00000192' 018A 154 .LONG 3
018E 155 .ADDRESS SYM_NAME
4D 59 53 0192 156 SYM_NAME: ; batch job symbol name
0192 157 .ASCII \SYM\
0195 158 SYM_DESC:
00000014 0195 159 .LONG 20
0000038A' 0199 160 .ADDRESS SYM
53 45 59 00' 019D 161 YES:
03 019D 162 .ASCIC \YES\ ; parameter for SNDSMB
55 51 5F 54 41 42 5F 50 54 45 55 00' 01A1 163 QUENAM1:
31 45 01A1 164 .ASCIC /UETP_BAT_QUE1/
0D 01A1
0000000E 01AF 165 QUENAM1L=-QUENAM1
55 51 5F 54 41 42 5F 50 54 45 55 00' 01AF 166 QUENAM2:
32 45 01AF 167 .ASCIC /UETP_BAT_QUE2/
0D 01AF
0000000E 01BD 168 QUENAM2L=-QUENAM2
01BD 169 MSGVEC:
00000003 01BD 170 .LONG 3 ; PUTMSG message vector
00741133 01C1 171 .LONG UETPS_TEXT
00000001 01C5 172 .LONG 1
00000169' 01C9 173 .ADDRESS MESSAGEL
01CD 174 TEST_ERROR: ; SNDERR test data
00000064 01CD 175 .LONG BUF_SIZE
000001D5' 01D1 176 .ADDRESS :+4
00000000 01D5 177 A=0
01D5 178 .REPT BUF_SIZE
01D5 179 .BYTE A
01D5 180 A=A+1
00 01D5 181 .ENDR
41 50 4F 5F 00' 0239 182 OPNAME:
04 0239 183 .ASCIC /_OPA/ ; operator console name
023E 184 OP_MSG1:
00000036' 023E 185 .LONG MSG1L ; GENREQ routine OPRMSG buffer
00000246' 0242 186 .ADDRESS :+4
03 0246 187 .BYTE OPC$ RQ RQST
00000001 0247 188 .LONG OPC$M_NM_CENTRL ; request operator type
0000024A 0248 189 .=.-1 ; is only 3 bytes big

```

```

00000000 024A 190
024E 191 OP_MESG: .LONG 0 ; global request ID of 0
52 50 4F 44 4E 53 24 20 50 54 45 55 024E 192
76 72 65 73 20 6D 65 74 73 79 73 20 025A
65 73 75 20 74 73 65 74 20 65 63 69 0266
2E 65 67 61 73 73 65 6D 20 72 0272
0000002E 027C 193 OP_MESG_LEN=-OP_MESG
00000036 027C 194 MSG1L=-OP_MSG1-8 ; message buffer size
4D 4F 43 2E 35 30 53 00' 027C 195 FILE_NAME:
07 027C 196 .ASCIC /S05.COM/
00000008 0284 197 NAME_SIZE=-FILE_NAME
00000290 0284 198 .BLKB <FILNAMSTZ-NAME_SIZE> ; filler for SNDSMB
47 4F 4C 2E 35 30 53 0290 199 FILE_NAME1:
0290 200 .ASCII /S05.LOG/ ; log file name
20 35 30 53 53 53 54 41 53 20 21 24 0297 201 COM_FILE:
20 74 73 65 74 20 42 4D 53 44 4E 53 02A3 202 .ASCII /$! SATSSS05 SNDSMB test batch job/<CR><LF>
0A 0D 62 6F 6A 20 68 63 74 61 62 02AF
21 24 02BA 203 .ASCII /$!/
00000025 02BC 204 RECO_SIZE=-COM_FILE ; record 0 size
27 31 50 27 3D 3A 4D 59 53 20 24 02BC 205 REC1:
02BC 206 .ASCII /$ SYM:='P1'/
0000000B 02C7 207 REC1_SIZE=-REC1 ; record 1 size
02C7 208 REC2:
53 51 45 2E 4D 59 53 20 46 49 20 24 02C7 209 .ASCII \ $ IF SYM.EQS.'YES' THEN DEF/GR SYM 'P1'\<CR><LF>
20 4E 45 48 54 20 22 53 45 59 22 2E 02D3
27 20 4D 59 53 20 52 47 2F 46 45 44 02DF
0A 0D 27 31 50 02EB
00000029 02F0 210 REC2_SIZE=-REC2
07' 02F0 211 OL1:
21 02F1 212 .BYTE OL1S
26 02F2 213 .BYTE SMO$K_HOLD
53 45 59 00' 02F3 214 .BYTE SMO$K_PARAMS
03 02F3 215 .ASCIC /YES/
00 02F7 216 .BYTE 0
00000007 02F8 217 OL1S=-OL1-1
04' 02F8 218 OL2:
22 02F9 219 .BYTE OL2S
03 02FA 220 .BYTE SMO$K_JOBPRI
21 02FB 221 .BYTE 3
00 02FC 222 .BYTE SMO$K_HOLD
00000004 02FD 223 .BYTE 0
31 4D 55 4E 5F 42 4F 4A 00' 02FD 224 OL2S=-OL2-1
08 02FD 225 JN1:
00 0306 226 .ASCIC /JOB_NUM1/
0307 227 .BYTE 0
32 4D 55 4E 5F 42 4F 4A 00' 0307 228 JN2:
08 0307 229 .ASCIC /JOB_NUM2/
00 0310 230 .BYTE 0
33 4D 55 4E 5F 42 4F 4A 00' 0311 231 JN3:
08 0311 232 .ASCIC /JOB_NUM3/
00 031A 233 .BYTE 0

```



```
031B 235 ;
031B 236 .SBTTL R/W PSECT
00000000 237 .PSECT RWDATA, RD, WRT, NOEXE, LONG
0000 238 ;
0000 239 IPID:
00000000 0000 240 .LONG 0 ; PID for this process
00000000 0004 241 CURRENT_IC: ; ptr to current test case
00000000 0004 242 .LONG 0
0008 243 .ALIGN LONG
00000044 0008 244 REG_SAVE_AREA:
0008 245 .BLKL 15 ; register save area
007480D9 0044 246 MOD_MSG_CODE:
0044 247 .LONG UETPS_SATSMS ; test module message code for putmsg
00000000' 0048 248 TMN_ADDR:
0048 249 .ADDRESS TEST_MOD_NAME
00000019' 004C 250 TMD_ADDR:
004C 251 .ADDRESS TEST_MOD_BEGIN
0050 252 PRVPRT:
00 0050 253 .BYTE 0 ; protection return byte for SETPRT
00000000 0051 254 PRIVMASK: ; priv. mask
0051 255 .QUAD 0
0059 256 CHM_CONT:
00000000 0059 257 .LONG 0 ; change mode continue address
005D 258 RETADR:
00000065 005D 259 .BLKL 2 ; returned address's from SETPRT
0065 260 STATUSM:
00000000 0065 261 .LONG 0
0069 262 QIO:
0069 263 $QIO 2, MBCHAN, IOS_READVBLK, ..., BUF, BUF_SIZE+30 ; QIO parameter list
009D 264 SNDA:
009D 265 $SNDACC ACC_DESC, MBCHAN ; SNDACC parameter list
00A9 266 SNDE:
00A9 267 $SNDERR TEST_ERROR ; SNDERR parameter list
00B1 268 SNDO:
00B1 269 $SNDOPR OPMSG_DESC, 0 ; SNDOPR parameter list
00BD 270 SNDS:
00BD 271 $SND SMB MSG_DESC, 0 ; SNDSMB parameter list
00C9 272 REG:
74 73 69 67 65 72 000000D1'010E0000' 00C9 273 .ASCID \register R\
52 20 72 65 00D7
00DB 274 REGNUM:
00000000 00DB 275 .LONG 0 ; register number
00DF 276 MSGL:
00000082 00DF 277 .LONG 130 ; buffer desc.
000000E7' 00E3 278 .ADDRESS BUF
00E7 279 BUF:
00000169 00E7 280 .BLKB 130
0169 281 MESSAGEL:
00000000 0169 282 .LONG 0 ; message desc.
000000E7' 016D 283 .ADDRESS BUF
0171 284 SERV_NAME:
00000000 0171 285 .LONG 0 ; service name pointer
0175 286 MBCHAN:
0000 0175 287 .WORD 0 ; mailbox channel number
0177 288 MODE:
00000000 0177 289 .LONG 0 ; current mode string pointer
017B 290 MBUF:
```

```

000001CB 017B 291 .BLKB 80 ; mailbox buffer
00000003 01CB 292 MSGVEC1: ; PUTMSG message vector
00741133 01CF 293 .LONG 3
00000001 01D3 294 .LONG UETPS_TEXT
00000000 01D7 295 .LONG 1
00000000 01DB 296 .LONG 0
000001E3 01DB 297 STATUS:
000001E3 01E3 298 .BLKL 2 ; mailbox status block
0001 01E3 299 ACC_MSG:
0052 01E5 300 .WORD ACCSK_INSMESG ; starting message code
00000001 01E7 301 .WORD MSG_SIZE ; message size
00000000 01EB 302 .LONG 1 ; final exit status
00000002 01EF 303 .LONG 0 ; PID
00000000 01F3 304 .LONG 2 ; job ID
54 53 00000000 00000000 01FB 305 .QUAD 0 ; system job termination time
72 65 73 20 6D 65 74 73 79 73 20 43 0203 306 .ASCII /SYSTEST/ ; account name
73 75 20 74 73 65 74 20 65 63 69 76 0203 307 .ASCII /UETP $SNDACC system service test user data record/ ; user data
6F 63 65 72 20 61 74 61 64 20 72 65 0203 308 .ASCII
64 72 0233
31 0203
00000052 0235 308 MSG_SIZE=-ACC_MSG
0235 309 ACC_MSG1:
0006 0235 310 .WORD ACCSK_DISASEL ; function code
02 0237 311 .BYTE ACCSK_BATTRM ; batch job type
11 0238 312 .BYTE ACCSK_INSMESG ; arbitrary message type
03 0239 313 .BYTE ACCSK_INTTRM ; interactive job type
04 023A 314 .BYTE ACCSK_LOGTRM ; login failure termination type
01 023B 315 .BYTE ACCSK_PRCTRM ; non-interactive process type
10 023C 316 .BYTE ACCSK_PRTJOB ; print job type
00 023D 317 .BYTE 0 ; terminator byte
00000009 023E 318 MSG1_SIZE=-ACC_MSG1
023E 319 ACC_DESC:
00000052 023E 320 .LONG MSG_SIZE ; descriptor for accounting message
000001E3 0242 321 .ADDRESS ACC_MSG

```

```

01000001 0246 323 OPTYPE:
02000002 024A 324 .LONG OPC$M_NM_CENTRL!<1@24> ; opr type & ID table
03000004 024E 325 .LONG OPC$M_NM_PRINT!<2@24>
04000008 0252 326 .LONG OPC$M_NM_TAPES!<3@24>
05000010 0256 327 .LONG OPC$M_NM_DISKS!<4@24>
06001000 025A 328 .LONG OPC$M_NM_DEVICE!<5@24>
07002000 025E 329 .LONG OPC$M_NM_OPER1!<6@24>
08004000 0262 330 .LONG OPC$M_NM_OPER2!<7@24>
09008000 0266 331 .LONG OPC$M_NM_OPER3!<8@24>
0A010000 026A 332 .LONG OPC$M_NM_OPER4!<9@24>
0B020000 026E 333 .LONG OPC$M_NM_OPER5!<10@24>
0C040000 0272 334 .LONG OPC$M_NM_OPER6!<11@24>
0D080000 0276 335 .LONG OPC$M_NM_OPER7!<12@24>
0E100000 027A 336 .LONG OPC$M_NM_OPER8!<13@24>
0F200000 027E 337 .LONG OPC$M_NM_OPER9!<14@24>
10400000 0282 338 .LONG OPC$M_NM_OPER10!<15@24>
11800000 0286 339 .LONG OPC$M_NM_OPER11!<16@24>
12000001 028A 340 .LONG OPC$M_NM_OPER12!<17@24>
028E 341 .LONG OPC$M_NM_CENTRL!<18@24> ; just to make an even number
00000080' 028E 342 OPMSG_DESC:
00000296' 0292 343 .LONG MSG_LEN ; SNDOPR msg buffer desc
0296 344 .ADDRESS OPMSG
03 0296 345 OPMSG:
0000029A 0297 346 .BYTE OPC$_RQ_RQST ; function code
00000000 029A 347 .BLKB 3 ; operator type
00000316 029E 348 .LONG 0 ; ID
00000080 0316 349 .BLKB 120 ; message or terminal info
0316 350 MSG_LEN=-OPMSG
0000006C' 0316 351 SMSG_DESC:
0000031E' 031A 352 .LONG SMSG_LEN ; SNDSMB msg buffer desc
031E 353 .ADDRESS SMSG
0000 031E 354 SMSG:
00000330 0320 355 .WORD SMR&K_INITIAL ; SNDSMB msg buffer
0330 356 .BLKB 16 ; queue name
00000340 0330 357 SMSG1:
00000346 0340 358 .BLKB 16 ; device name
0000034C 0346 359 .BLKB 6 ; file ID
00000360 034C 360 .BLKB 6 ; directory ID
00000362 0360 361 .BLKB 20 ; filename
0000036A 0362 362 .BLKB 2 ; job ID
0000038A 036A 363 .BLKB 8 ; job name
0000006C 038A 364 .BLKB 32 ; room for options and option data
038A 365 SMSG_LEN=-SMSG
0000039E 038A 366 SYM:
039E 367 .BLKB 20
039E 368 :
03A0 369 .ALIGN LONG
03A0 370 NAMBLK:
0400 371 $NAM
0400 372 FAB:
0400 373 $FAB FAC=PUT,-
0400 374 FNA=FILE_NAME+1,-
0400 375 FNS=COM_FIL_SIZ,-
0400 376 NAM=NAMBLK,-
0400 377 RAT=CR,-
0400 378 RFM=VAR
0450 379 RAB:

```

SATSSS05
V04-000

- SATS SYSTEM SERVICE TESTS (SUCC S.C.) 16-SEP-1984 00:46:10 VAX/VMS Macro V04-00
R/W PSECT 5-SEP-1984 04:29:47 [UETPSY.SRC]SATSSS05.MAR;1

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(1)

0450	380		SRAB	FAB=FAB,-
0450	381			MBF=1,-
0450	382			RBF=COM FILE,-
0450	383			RSZ=RECO_SIZE
0494	384	FAB1:		
0494	385		SFAB	FAC=PUT,-
0494	386			FNA=FILE_NAME1,-
0494	387			FNS=COM_FIL_SIZ

SA
VO

```

00000000 389      .PSECT SATSSS05, RD, WRT, EXE, LONG
0000      390      .SBTTL SATSSS05
0000      391      :++
0000      392      : FUNCTIONAL DESCRIPTION:
0000      393      :
0000      394      :     After performing some initial housekeeping, such as
0000      395      : printing the module begin message and acquiring needed privileges,
0000      396      : the system services are tested in each of their normal conditions.
0000      397      : Detected failures are identified and an error message is printed
0000      398      : on the terminal. Upon completion of the test a success or fail
0000      399      : message is printed on the terminal.
0000      400      :
0000      401      : CALLING SEQUENCE:
0000      402      :
0000      403      :     $ RUN SATSSS05 ... (DCL COMMAND)
0000      404      :
0000      405      : INPUT PARAMETERS:
0000      406      :
0000      407      :     none
0000      408      :
0000      409      : IMPLICIT INPUTS:
0000      410      :
0000      411      :     none
0000      412      :
0000      413      : OUTPUT PARAMETERS:
0000      414      :
0000      415      :     none
0000      416      :
0000      417      : IMPLICIT OUTPUTS:
0000      418      :
0000      419      :     Messages to SYSS$OUTPUT are the only output from SATSSS05.
0000      420      :     They are of the form:
0000      421      :
0000      422      :     %UETP-S-SATSMS, TEST MODULE SATSSS05 BEGUN ... (BEGIN MSG)
0000      423      :     %UETP-S-SATSMS, TEST MODULE SATSSS05 SUCCESSFUL ... (END MSG)
0000      424      :     %UETP-E-SATSMS, TEST MODULE SATSSS05 FAILED ... (END MSG)
0000      425      :     %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000      426      :
0000      427      : COMPLETION CODES:
0000      428      :
0000      429      :     The SATSSS05 routine terminates with a $EXIT to the
0000      430      :     operating system with a status code defined by UETP$_SATSMS.
0000      431      :
0000      432      : SIDE EFFECTS:
0000      433      :
0000      434      :     none
0000      435      :
0000      436      : --
0000      437      :
0000      438      : TEST_START SATSSS05           ; let the test begin

```

```

0000 0000
0004'CF 00 D4 0002
0000'CF 00 DD 0006
00000000'GF 02 DF 0008
00000000'GF 00 FB 000C
0009'CF 7F 001A
00000000'GF 01 FB 001E
0ED4 30 0025
004C'CF 001F'CF DE 0028
0044'CF 03 00 01 FO 002F
0000'CF 00 DD 0036
0AFE'CF 01 FB 0038
003D
003D 439
003D 440 :+
003D 441 :
003D 442 : $SNDACC tests
003D 443 :
003D 444 : test ACC$K_NEWFILE
003D 445 :
003D 446 : This function will not be tested because of the possible interference
003D 447 : that it might cause with the ACCOUNTING.DAT file on a customer's system.
003D 448 :
003D 449 : test ACC$K_INSMESG
003D 450 :
003D 451 :-
003D 452
59 00000000'9F DO 005A 453
0051'CF 69 DE 0061 454
0066 455
0067 456
0171'CF 0031'CF DE 0087 457
0177'CF 0134'CF DE 008E 458
0000'CF 00 DD 0095 459
0AFE'CF 01 FB 0097 460
09 50 EB 009C 461
00AF 462
00B2 463
00BB 464 20$:
00BB 465 $SNDACC_S MSGBUF=W^ACC_DESC,-
00BB 466 CHAN =W^MBCRAN ; try a ACC$K_NEWFILE
00CB 467 FAIL_CHECK $$$_NORMAL ; check for success
00CB 468
0B08'CF 01 FB 00D1
0C0E'CF 00 FB 00D6 468
00DB 469 :+
00DB 470 :
00DB 471 : test ACC$K_DISAACC
00DB 472 :
00DB 473 :-
00DB 474
0004'CF 01 DO 00DB
0000'CF 00 DD 00E0

```

```

.ENTRY SATSSS05,0
CLRL W^CURRENT_TC
PUSHL #0
PUSHAL W^TPID
CALLS #2,G^SYSSWAKE
CALLS #0,G^SYSSHIBER
PUSHAQ W^TEST_MOD_NAME_D
CALLS #1,G^SYSSSETPRN
BSBW W^MOD_MSG_PRINT
MOVAL W^TEST_MOD_SUCC,W^TMD_ADDR
INSV #SUCCESS,#0,#3,W^MOD_MSG_CODE
PUSHL #0
CALLS #1,W^REG_SAVE

STP0:
.SBTTL SNDACC TESTS
439
440 :+
441 :
442 : $SNDACC tests
443 :
444 : test ACC$K_NEWFILE
445 :
446 : This function will not be tested because of the possible interference
447 : that it might cause with the ACCOUNTING.DAT file on a customer's system.
448 :
449 : test ACC$K_INSMESG
450 :
451 :-
452
453
454
455
456
457
458
459
460
461
462
463
464 20$:
465 $SNDACC_S MSGBUF=W^ACC_DESC,-
466 CHAN =W^MBCRAN ; try a ACC$K_NEWFILE
467 FAIL_CHECK $$$_NORMAL ; check for success
468
469 :+
470 :
471 : test ACC$K_DISAACC
472 :
473 :-
474
NEXT_TEST

STP1:
MOVL #1,W^CURRENT_TC
PUSHL #0

```

```

0AFE'CF 01 FB 00E2          CALLS #1,W^REG_SAVE
01E3'CF 04 BO 00E7 475     MOVW #ACCSK_DISAACC,W^ACC_MSG ; set the new function
00A5'CF 0175'CF 3C 00EC 476     MOVZWL W^MBCCHAN,W^SNDA+SNDACCS_CHAN ; set up the channel number
                                $SNDACC_G W^SNDA ; try ACCSK_DISAACC with a little _G
                                FAIL_CHECK SSS_NORMAL ; check for success
                                PUSHL #SS$ NORMAL
                                CALLS #1,W^REG_CHECK
                                CALLS #0,W^READ_CHECK ; check the mailbox

00000000'8F DD 00FC
OB08'CF 01 FB 0102
OC0E'CF 00 FB 0107 479     CALLS #0,W^READ_CHECK ; check the mailbox
                                480 :+
                                481 :+
                                482 :+ test ACCSK_ENABACC
                                483 :+
                                484 :-
                                485 :-
                                NEXT_TEST

0004'CF 02 DO 010C          STP2:
                                010C          MOVL #2,W^CURRENT_TC
                                DD 0111          PUSHL #0
                                0AFE'CF 01 FB 0113          CALLS #1,W^REG_SAVE
                                01E3'CF 03 BO 0118 486     MOVW #ACCSK_ENABACC,W^ACC_MSG ; set function code
                                $SNDACC_S MSGBOF=W^ACC_DESC,=
                                CHAN =W^MBCCHAN ; try ACCSK_ENABACC with a little _S
                                FAIL_CHECK SSS_NORMAL ; check for success
                                PUSHL #SS$ NORMAL
                                CALLS #1,W^REG_CHECK
                                OC0E'CF 00 FB 0138 490     CALLS #0,W^READ_CHECK ; check the mailbox
                                491 :+
                                492 :+
                                493 :+ test ACCSK_DISASEL with all types selected
                                494 :+
                                495 :-
                                496 :-
                                NEXT_TEST

0004'CF 03 DO 013D          STP3:
                                013D          MOVL #3,W^CURRENT_TC
                                DD 0142          PUSHL #0
                                0AFE'CF 01 FB 0144          CALLS #1,W^REG_SAVE
                                0242'CF 0235'CF DE 0149 497     MOVAL W^ACC_MSG1,W^ACC_DESC+4 ; set new message address
                                023E'CF 09 DO 0150 498     MOVL #MSG1_SIZE,W^ACC_DESC ; set new message size
                                $SNDACC_G W^SNDA ; try ACCSK_DISASEL
                                FAIL_CHECK SSS_NORMAL ; check for success
                                PUSHL #SS$ NORMAL
                                CALLS #1,W^REG_CHECK
                                OC0E'CF 00 FB 0169 501     CALLS #0,W^READ_CHECK ; check the mailbox
                                502 :+
                                503 :+
                                504 :+ test ACCSK_ENABSEL
                                505 :+
                                506 :-
                                507 :-
                                NEXT_TEST

0004'CF 04 DO 016E          STP4:
                                016E          MOVL #4,W^CURRENT_TC
                                DD 0173          PUSHL #0
                                0AFE'CF 01 FB 0175          CALLS #1,W^REG_SAVE
                                0235'CF 05 BO 017A 508     MOVW #ACCSK_ENABSEL,W^ACC_MSG1 ; set new function
                                $SNDACC_S MSGBOF=W^ACC_DESC,=
                                017F 509

```

SATSSS05
V04-000

- SATS SYSTEM SERVICE TESTS (SUCC S.C.) 16-SEP-1984 00:46:10
SNDACC TESTS 5-SEP-1984 04:29:47

VAX/VMS Macro V04-00
[UETPSY.SRC]SATSSS05.MAR;1

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SAT
V04

00000000'8F	DD	017F	510
0B08'CF 01	FB	018F	511
0C0E'CF 00	FB	018F	
	FB	0195	
	FB	019A	512

CHAN =W^MBCHAN
FAIL_CHECK SSS_NORMAL
PUSHL #SSS_NORMAL
CALLS #1,W^REG_CHECK
CALLS #0,W^READ_CHECK

; try ACCSK_ENABSEL
; check for success

; check the mailbox


```

019F 514 .SBTTL SNDERR_S TESTS
019F 515 :+
019F 516 :
019F 517 : $SNDERR_S tests
019F 518 :
019F 519 :-
019F 520 NEXT_TEST
019F
019F STP5:
0004'CF 05 DO 019F MOVL #5,W^CURRENT_TC
OAFE'CF 00 DD 01A4 PUSHL #0
OAFE'CF 01 FB 01A6 CALLS #1,W^REG_SAVE
0171'CF 0038'CF DE 01AB 521 PRIV ADD,BUGCHK ; add the BUGCHK priv.
01CB 522 MOVAL W^SNDERR,W^SERV_NAME ; set service name
01D2 523 $CREMBX_S CHAN=W^MBCHAN,-
01D2 524 LOGNAM=W^MBNAM,-
01D2 525 PRMFLG=#0 ; make a mailbox
01E9 526 $GETCHN_S CHAN=W^MBCHAN,-
01E9 527 PRIBUF=W^MSG_L ; get the unit number
7E 00F3'CF 3C 01FF 528 MOVZWL W^BUF+DIB$W_UNIT,-(SP) ; push the MBX unit #
00000000'GF 01 FB 0204 529 CALLS #1,G^SYSSDERLMB ; declare errorlog MBX
020B 530 $SNDERR_S MSGBUF=W^TEST_ERROR ; try S form
0216 531 FAIL_CHECK SSS_NORMAL ; check for success
00000000'8F DD 0216 PUSHL #SS$ NORMAL
0B08'CF 01 FB 021C CALLS #1,W^REG_CHECK
0071'CF 0175'CF BO 0221 532 GET1:
0221 533 MOVW W^MBCHAN,W^QIO+QIOS_CHAN ; get the channel number
0228 534 $QIO G W^QIO ; do a read
0231 535 $WAITFR_S EFN=#2 ; wait for it to complete
0075'CF 00'8F 88 023A 536 BISB2 #IOSM_NOW,W^QIO+QIOS_FUNC ; set the NOW modifier
00EB'CF 27 B1 0240 537 CMPW #EMB$C_SS,W^BUF+EMB$Q_HD_ENTRY ; is this the right entry?
56 00F9'CF DA 12 0245 538 BNEQ GET1 ; br if not
57 01D5'CF DE 0247 539 MOVAL W^BUF+18,R6 ; set buffer address
58 00000064'8F DE 024C 540 MOVAL W^TEST_ERROR+8,R7 ; set good data address
0E1A'CF 00 FB 0251 541 MOVL #BUF_SIZE,R8 ; set byte count
0258 542 CALLS #0,W^BUF_CHECK ; check results
025D 543 :+
025D 544 :
025D 545 : $SNDERR_G tests
025D 546 :
025D 547 :-
025D 548 NEXT_TEST
025D
025D STP6:
0004'CF 06 DO 025D MOVL #6,W^CURRENT_TC
OAFE'CF 00 DD 0262 PUSHL #0
O0E7'CF 00 FB 0264 CALLS #1,W^REG_SAVE
00E7'CF 00 2C 0269 549 MOVCS #0,W^BUF,#0,#BUF_SIZE,W^BUF ; zero the buffer
OAFE'CF 00 DD 0275 550 PUSHL #0 ; push a dummy parameter
OAFE'CF 01 FB 0277 551 CALLS #1,W^REG_SAVE ; save a reg snapshot
027C 552 $SNDERR G W^SNDE ; try G
0285 553 FAIL_CHECK SSS_NORMAL ; check for success
00000000'8F DD 0285 PUSHL #SS$ NORMAL
0B08'CF 01 FB 028B CALLS #1,W^REG_CHECK
0075'CF 00000000'8F CA 0290 554 BICL2 #IOSM_NOW,W^QIO+QIOS_FUNC ; set to wait for mailbox
0299 555 GET2:

```

0075'CF	00'8F	88	0299	556	\$QIO G W^QIO	; read the mailbox
00EB'CF	27	B1	02A2	557	\$WAITFR_S EFN=#2	; wait for completion
	E1	12	02AB	558	BISB2 #IOSM NOW.W^QIO+QIOS FUNC	; set to read it until found
0E1A'CF	00	FB	02B1	559	CMPW #EMBSC_SS,W^BUF+EMB\$Q_HD_ENTRY	; the right entry?
	7E	D4	02B6	560	BNEQ GET2	; br if not
0000000'GF	01	FB	02B8	561	CALLS #0,W^BUF_CHECK	; check results
			02BD	562	CLRL -(SP)	; set channel to 0
			02BF	563	CALLS #1,G^SYSS\$DERLMB	; reset the error logger

.SBTTL SNDOPR TESTS

02C6 565
02C6 566 :+
02C6 567 :
02C6 568 :
02C6 569 :\$SNDOPR tests
02C6 570 :
02C6 571 : DISABLE tests with _S
02C6 572 :
02C6 573 :-
02C6 574

NEXT_TEST

STP7:

0004'CF 07 DO
0000'CF 00 DD
0AFE'CF 01 FB
0171'CF 003F'CF DE
0296'CF 01 90
0297'CF D4
029A'CF FFFFFFFF 8F DO
029E'CF 84
02A0'CF 0239'CF 90
02A1'CF 023A'CF DO

02C6
02CB
02CD
02D2 575
02D9 576
02DE 577
02E2 578
02EB 579
02EF 580
02F6 581
02FD 582
02FD 583
030D 584

MOVL #7,W^CURRENT_TC
PUSHL #0
CALLS #1,W^REG_SAVE
MOVAL W^SNDOPR,W^SERV_NAME ; set service name
MOVW #OPC\$ RQ_TERME,W^OPMSG ; set the function code
CLRL W^OPMSG+OPC\$B MS_ENAB ; set disable ID mask
MOVL #-1,W^OPMSG+OPC\$C MS_MASK ; set operators to be disabled
CLRW W^OPMSG+OPC\$W MS_OUNIT ; set unit to zero
MOVW W^OPNAME,W^OPMSG+OPC\$T MS_ONAME ; set operator name size
MOVL W^OPNAME+1,W^OPMSG+OPC\$T MS_ONAME+1 ; set operator device name
\$SNDOPR_S MSGBUF=W^OPMSG_DESC,-
CHAN=W^MBCHAR ; try _S
FAIL_CHECK \$\$\$_NORMAL ; check success
PUSHL \$\$\$_NORMAL
CALLS #1,W^REG_CHECK

0318 585 :+
0318 586 :
0318 587 : ENABLE tests with _S
0318 588 :
0318 589 :-
0318 590

NEXT_TEST

STP8:

0004'CF 08 DO
0000'CF 00 DD
0AFE'CF 01 FB
0297'CF 00FFF01F 8F DO
029A'CF FFFFFFFF 8F DO
029E'CF 0154'CF 80
02A0'CF 014F'CF 90
02A1'CF 0150'CF DO

0318
031D
031F
0324 591
032D 592
0336 593
033D 594
0344 595
034B 596
034B 597
035B 598

MOVL #8,W^CURRENT_TC
PUSHL #0
CALLS #1,W^REG_SAVE
MOVL #ALL_OPR,W^OPMSG+OPC\$B MS_ENAB ; set operators to enable
MOVW #-1,W^OPMSG+OPC\$L MS_MASK ; set enableable bits
MOVW W^TTUNIT,W^OPMSG+OPC\$W MS_OUNIT ; set the terminal unit number
MOVW W^TTNAM,W^OPMSG+OPC\$T MS_ONAME ; set the terminal name size
MOVL W^TTNAM+1,W^OPMSG+OPC\$T MS_ONAME+1 ; set the terminal name
\$SNDOPR_S MSGBUF=W^OPMSG_DESC,-
CHAN=W^MBCHAR ; enable the alternate terminal
FAIL_CHECK \$\$\$_NORMAL ; check for success
PUSHL \$\$\$_NORMAL
CALLS #1,W^REG_CHECK

0366 599 :+
0366 600 :
0366 601 : RQST tests to make a request with ID = 1-18
0366 602 :
0366 603 :-
0366 604

NEXT_TEST

STP9:

0004'CF 09 DO

0366

MOVL #9,W^CURRENT_TC

OB08'CF	01	FB	0442		CALLS	#1,W^REG_CHECK	
OE59'CF	00	FB	0447	648	CALLS	#0,W^SND_CHECK	; check the results
AB 57	09	F2	044C	649	AOBLSS	#9,R7,10\$; do all opr types
			0450	650	:	+	
			0450	651	:	:	
			0450	652	:	REPLY tests to respond to requests	
			0450	653	:	:	
			0450	654	:	:-	
			0450	655		NEXT_TEST	
			0450			STP11:	
0004'CF	08	DO	0450		MOVL	#11,W^CURRENT_TC	
	00	DD	0455		PUSHL	#0	
0AFE'CF	01	FB	0457		CALLS	#1,W^REG_SAVE	
56 00008029	8F	DO	045C	656	MOVL	#<OPCS RQSTCPLTE&^XFFFF>,R6	; set expected status return
0296'CF	04	90	0463	657	MOVB	#OPCS RQ REPLY,W^OPMSG	; set the function
0298'CF	56	BO	0468	658	MOVW	R6,W^OPMSG+OPC\$W_MS_STATUS	; set status reply return
	029A'CF	D4	046D	659	CLRL	W^OPMSG+OPC\$L_MS_RPLYID	; set the message ID
029E'CF	0154'CF	BO	0471	660	MOVW	W^TTUNIT,W^OPMSG+OPC\$W_MS_OUNIT	; set the unit number
02A0'CF	014F'CF	28	0478	661	MOVC3	#5,W^TTNAM,W^OPMSG+OPC\$T_MS_ONAME	; set the device name
	024E'CF	28	0480	662	MOVC3	#OP MSG LEN,W^OP MSG,-	
	02B0'CF		0485	663		W^OPMSG+OPC\$L_MS_0TEXT	; set the message text
		DD	0488	664	PUSHL	#0	; push a dummy parameter
0AFE'CF	01	FB	048A	665	CALLS	#1,W^REG_SAVE	; save a reg snapshot
0EB1'CF	00	FB	048F	666	CALLS	#0,W^GENREQ	; generate a pending request
			0494	667	\$SNDOPR_S	MSGBUF=W^OPMSG_DESC,-	
			0494	668		CHAN=W^MBCHAN	; try_S
			04A4	669	FAIL_CHECK	SS\$_NORMAL	; check success
00000000'8F	DD	04A4			PUSHL	#SS\$ NORMAL	
OB08'CF	01	FB	04AA		CALLS	#1,W^REG_CHECK	
OE59'CF	00	FB	04AF	670	CALLS	#0,W^SND_CHECK	; check results
56 801C	8F	BO	04B4	671	MOVW	#<OPCS RQSTABORT&^XFFFF>,R6	; set expected status return
0298'CF	56	BO	04B9	672	MOVW	R6,W^OPMSG+OPC\$W_MS_STATUS	; set reply status code
	00	DD	04BE	673	PUSHL	#0	; push a dummy parameter
0AFE'CF	01	FB	04C0	674	CALLS	#1,W^REG_SAVE	; save a reg snapshot
0EB1'CF	00	FB	04C5	675	CALLS	#0,W^GENREQ	; generate a pending request
			04CA	676	\$SNDOPR_G	W^SND0	; try_G
			04D3	677	FAIL_CHECK	SS\$_NORMAL	; check success
00000000'8F	DD	04D3			PUSHL	#SS\$ NORMAL	
OB08'CF	01	FB	04D9		CALLS	#1,W^REG_CHECK	
OE59'CF	00	FB	04DE	678	CALLS	#0,W^SND_CHECK	; check results
56 8021	8F	BO	04E3	679	MOVW	#<OPCS RQSTPEND&^XFFFF>,R6	; set expected st.us return
0298'CF	56	BO	04E8	680	MOVW	R6,W^OPMSG+OPC\$W_MS_STATUS	; set the reply status code
	00	DD	04ED	681	PUSHL	#0	; push a dummy parameter
0AFE'CF	01	FB	04EF	682	CALLS	#1,W^REG_SAVE	; save a reg snapshot
0EB1'CF	00	FB	04F4	683	CALLS	#0,W^GENREQ	; generate a pending request
			04F9	684	\$SNDOPR_S	MSGBUF=W^OPMSG_DESC,-	
			04F9	685		CHAN=W^MBCHAN	; try_S and leave the request pendi
			0509	686	FAIL_CHECK	SS\$_NORMAL	; check success
00000000'8F	DD	0509			PUSHL	#SS\$ NORMAL	
OB08'CF	01	FB	050F		CALLS	#1,W^REG_CHECK	
OE59'CF	00	FB	0514	687	CALLS	#0,W^SND_CHECK	; check results
56 8084	8F	BO	0519	688	MOVW	#<OPCS RQSTCAN&^XFFFF>,R6	; set expected status return
0298'CF	56	BO	051E	689	MOVW	R6,W^OPMSG+OPC\$W_MS_STATUS	; set reply status
	00	DD	0523	690	PUSHL	#0	; push a dummy parameter
0AFE'CF	01	FB	0525	691	CALLS	#1,W^REG_SAVE	; save a reg snapshot
			052A	692	\$SNDOPR_G	W^SND0	; try_G

```

00000000'8F DD 0533 693 FAIL_CHECK SSS_NORMAL ; check success
0B08'CF 01 FB 0533 PUSHL #SS$ NORMAL
0E59'CF 00 FB 0539 CALLS #1,W*REG_CHECK
053E 694 CALLS #0,W^SND_CHECK ; check results
0543 695 :+
0543 696 :
0543 697 : DISABLE tests with _G
0543 698 :
0543 699 :-
0543 700 NEXT_TEST
0543
0004'CF 0C DO 0543 STP12:
0000'CF 00 DD 0548 MOVL #12,W^CURRENT_TC
0AFE'CF 01 FB 054A PUSHL #0
0296'CF 01 90 054F 701 CALLS #1,W^REG_SAVE
0297'CF 01 D4 0554 702 MOVB #OPC$ RQ TERME,W^OPMSG ; set the function code
029A'CF FFFFFFFF 8F DO 0558 703 CLRL W^OPMSG+OPCSB MS_ENAB ; set disable ID mask
0561 704 MOVL #-1,W^OPMSG+OPCSL MS_MASK ; set operators to disable
056A 705 $SNDOPR G W^SNDO ; disable the alternate TTY
056A 705 FAIL_CHECK SSS_NORMAL ; check for success
0B08'CF 01 FB 0570 PUSHL #SS$ NORMAL
0575 706 CALLS #1,W^REG_CHECK
0575 707 :+
0575 708 : ENABLE tests with _G
0575 709 :
0575 710 :-
0575 711 NEXT_TEST
0575
0004'CF 0D DO 0575 STP13:
0000'CF 00 DD 057A MOVL #13,W^CURRENT_TC
0AFE'CF 01 FB 057C PUSHL #0
0297'CF 00FFF01F 8F DO 0581 712 CALLS #1,W^REG_SAVE ; set enable ID mask
029A'CF FFFFFFFF 8F DO 058A 713 MOVL #ALL OPR,W^OPMSG+OPCSB MS_ENAB ; set all enables
02A0'CF 029E'CF B4 0593 714 CLRW W^OPMSG+OPCSW MS_DUNIT ; set unit number
02A1'CF 023A'CF 90 0597 715 MOVB W^OPNAME,W^OPMSG+OPCST MS_ONAME ; set name size
05A5 716 MOVL W^OPNAME+1,W^OPMSG+OPCST MS_ONAME+1 ; set name
05AE 717 $SNDOPR G W^SNDO ; enable the console again
05AE 718 FAIL_CHECK SSS_NORMAL ; check for failure
0B08'CF 01 FB 05B4 PUSHL #SS$ NORMAL
CALLS #1,W^REG_CHECK

```

```

0589 720 .SBTTL SNDSMB TESTS
0589 721 :+
0589 722 :
0589 723 : $SNDSMB tests
0589 724 :
0589 725 : The following request types cannot be tested because of the lack of a
0589 726 : queueable device in the minimum configuration.
0589 727 :
0589 728 : SMR&K_ABORT, SMR&K_ASSIGN, SMR&K_JUSTIFY, SMR&K_ENTER
0589 729 :
0589 730 : test SMR&K_INITIAL by creating que1 and que2
0589 731 :
0589 732 :-
0589 733

```

NEXT_TEST

STP14:

```

0004'CF 0E DD 0589
0AFE'CF 01 FB 058E
0171'CF 0046'CF DE 05C0
00C5'CF 0175'CF BO 05C5 734
53 0320'CF DE 05D3 735
63 01A1'CF 0E 28 05D8 736
53 0330'CF DE 05DE 737
83 43 8F 90 05E3 738
63 94 05E7 739
0AFE'CF 01 FB 05E9 740
05F0 741
05F0 742
0600 743
00000000'8F DD 0600
0B08'CF 01 FB 0606
56 00040001 8F DD 060B 746
0E59'CF 00 FB 0612 747
83 4E 8F 90 0617 748
83 4D 8F 90 061B 749
83 02 90 061F 750
83 4C 8F 90 0622 751
83 02 90 0626 752
0320'CF 01AF'CF 0E 28 0629 753
0AFE'CF 01 FB 062B 754
0633 755
063A 756
0643 757
00000000'8F DD 0643
0B08'CF 01 FB 0649
0E59'CF 00 FB 064E 759
0653 760
0653 761
0653 762 :+
0653 763 : test SMR&K_START by starting que1 and que2
0653 764 :-
0653 765

```

```

MOV#L #14,W^CURRENT_TC
PUSHL #0
CALLS #1,W^REG_SAVE
MOVAL W^SNDSMB,W^SERV_NAME ; set service name
MOVW W^MBCHAN,W^SNDS^SNDSMBS_CHAN ; set the mailbox channel #
MOVAL W^SMSG+2,R3 ; set argument pointer
MOVCS #QUENAM1L,W^QUENAM1,(R3) ; set the queue name
MOVAL W^SMSG1,R3 ; set to proper end of que name
MOVB #SMOSK_DETJOB,(R3)+ ; set to BATCH
CLRB (R3) ; set option terminator
PUSHL #0 ; push a dummy parameter
CALLS #1,W^REG_SAVE ; save a reg snapshot
$SNDSMB_S MSGBUF = W^SMSG_DESC,-
CHAN = W^MBCHAN ; try S INITIAL
FAIL_CHECK SS$ NORMAL ; check failure
PUSHL #SS$ NORMAL
CALLS #1,W^REG_CHECK
MOVL #JBC$ NORMAL,R6 ; set expected return status
CALLS #0,W^SND_CHECK ; check results
MOVB #SMOSK_DSWAP,(R3)+ ; set to disable swapping
MOVB #SMOSK_INIPRI,(R3)+ ; set a new job priority
MOVB #2,(R3)+ ; by default of 2
MOVB #SMOSK_JOBLIM,(R3)+ ; set a job limit of
MOVB #2,(R3)+ ; 2
CLRB (R3) ; set the terminator
MOVCS #QUENAM2L,W^QUENAM2,W^SMSG+2 ; set new que name
PUSHL #0 ; push a dummy parameter
CALLS #1,W^REG_SAVE ; save a register snapshot
$SNDSMB_G W^SNDS ; init the next que
FAIL_CHECK SS$ NORMAL ; check for failure
PUSHL #SS$ NORMAL
CALLS #1,W^REG_CHECK
CALLS #0,W^SND_CHECK ; check the results

```

STP15:

```

0004'CF 0F DO 0653          MOVL #15,W^CURRENT_TC
0000'CF 00 DD 0658          PUSHL #0
0AFE'CF 01 FB 065A          CALLS #1,W^REG_SAVE
031E'CF 02 BO 065F 766     MOVW #SMR$K_START,W^SM$G ; set request code
0330'CF 94 0664 767     CLR B W^SM$GT ; set for no start options
0668 768     $$SNDSMB G W^SNDS ; try G START
0671 769     FAIL_CHECK $$$_NORMAL ; check failure
00000000'8F DD 0671          PUSHL #$$$_NORMAL
0B08'CF 01 FB 0677          CALLS #1,W^REG_CHECK
0E59'CF 00 FB 067C 770     CALLS #0,W^SND_CHECK ; check results
0320'CF 01A1'CF 0E 28 0681 771     MOV C3 #QUENAM1,W^QUENAM1,W^SM$G+2 ; set que name
0000'CF 00 DD 0689 772     PUSHL #0 ; push a dummy param
0AFE'CF 01 FB 068B 773     CALLS #1,W^REG_SAVE ; save a reg snapshot
0690 774     $$SNDSMB G W^SNDS ; start the next que
0699 775     FAIL_CHECK $$$_NORMAL ; check for failures
00000000'8F DD 0699          PUSHL #$$$_NORMAL
0B08'CF 01 FB 069F          CALLS #1,W^REG_CHECK
0E59'CF 00 FB 06A4 776     CALLS #0,W^SND_CHECK ; check the results
06A9 777 :+
06A9 778 :
06A9 779 : test SMR$K_STOP
06A9 780 :
06A9 781 :-
06A9 782 :
NEXT_TEST
06A9
STP16:
0004'CF 10 DO 06A9          MOVL #16,W^CURRENT_TC
0000'CF 00 DD 06AE          PUSHL #0
0AFE'CF 01 FB 06B0          CALLS #1,W^REG_SAVE
031E'CF 07 BO 06B5 783     MOVW #SMR$K_STOP,W^SM$G ; set request code
06BA 784     $$SNDSMB_S MSGBOF = W^SM$G_DESC,- ; try S STOP
06BA 785     CHAN = W^MBCHAN ; check failure
06CA 786     FAIL_CHECK $$$_NORMAL
00000000'8F DD 06CA          PUSHL #$$$_NORMAL
0B08'CF 01 FB 06C9          CALLS #1,W^REG_CHECK
0E59'CF 00 FB 06D5 787     CALLS #0,W^SND_CHECK ; check results
031E'CF 02 BO 06DA 788     MOVW #SMR$K_START,W^SM$G ; reset request code
06DF 789     $$SNDSMB G W^SNDS ; restart the queue
06E8 790     FAIL_CHECK $$$_NORMAL ; check failure
00000000'8F DD 06E8          PUSHL #$$$_NORMAL
0B08'CF 01 FB 06EE          CALLS #1,W^REG_CHECK
0E59'CF 00 FB 06F3 791     CALLS #0,W^SND_CHECK ; check results
06F8 792 :+
06F8 793 :
06F8 794 : test SMR$K_PAUSE
06F8 795 :
06F8 796 :-
06F8 797 :
NEXT_TEST
06F8
STP17:
0004'CF 11 DO 06F8          MOVL #17,W^CURRENT_TC
0000'CF 00 DD 06FD          PUSHL #0
0AFE'CF 01 FB 06FF          CALLS #1,W^REG_SAVE
031E'CF 03 BO 0704 798     MOVW #SMR$K_PAUSE,W^SM$G ; set request code
0709 799     $$SNDSMB_S MSGBOF = W^SM$G_DESC,- ; try S PAUSE
0709 800     CHAN = W^MBCHAN ; check failure
0719 801     FAIL_CHECK $$$_NORMAL

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00000000'8F DD 0719          PUSHL  #SS$ NORMAL
0B08'CF 01 FB 071F          CALLS  #1,W^REG_CHECK
0E59'CF 00 FB 0724 802     CALLS  #0,W^SND_CHECK      ; check results
031E'CF 02 BO 0729 803     MOVW  #SMR$K START,W^SMSG ; reset the request code
                                $SNDSMB G W^SNDS          ; reset the queue state
                                072E 804          FAIL_CHECK SSS_NORMAL ; check failure
                                0737 805          PUSHL  #SS$ NORMAL
                                0737 DD 0737          CALLS  #1,W^REG_CHECK
00000000'8F DD 0737          CALLS  #0,W^SND_CHECK      ; check results
0B08'CF 01 FB 073D          :+
0E59'CF 00 FB 0742 806     :+
                                0747 807     :-
                                0747 808     :-
                                0747 809     test SMR$K_CREJOB, SMR$K_ADDFIL, SMR$K_CLSJOB
                                0747 810     :-
                                0747 811     :-
                                0747 812     NEXT_TEST
                                0747 STP18:
0004'CF 12 DO 0747          MOVL  #18,W^CURRENT_TC
                                00 DD 074C          PUSHL  #0
0AFE'CF 01 FB 074E          CALLS  #1,W^REG_SAVE
                                0753 813     $CREATE FAB = W^FAB      ; open the command file
                                075E 814     $CONNECT RAB = W^RAB    ; connect up
                                0769 815     $PUT RAB = W^RAB      ; write the command file
0478'CF 02BC'CF DE 0774 816     MOVAL  W^REC1,W^RAB+RAB$RBF ; set rec #1 address
0472'CF 0B BO 077B 817     MOVW  #REC1 SIZE,W^RAB+RAB$W_RSZ ; set rec #1 size
                                0780 818     $PUT RAB = W^RAB      ; write record #1
0478'CF 02C7'CF DE 078B 819     MOVAL  W^REC2,W^RAB+RAB$RBF ; set rec #2 address
0472'CF 29 BO 0792 820     MOVW  #REC2 SIZE,W^RAB+RAB$W_RSZ ; set rec #2 size
                                0797 821     $PUT RAB = W^RAB      ; write record #2
                                07A2 822     $DISCONNECT RAB = W^RAB ; disconnect
                                07AD 823     $CLOSE FAB = W^FAB    ; file S05.COM now exists
                                07B8 824     PUSHAL W^OL1          ; set option list #1
                                07BC 825     PUSHAL W^JN1          ; set job name #1
                                07C0 826     CALLS  #2,W^CRE_JOB    ; put a job in the que
                                07C5 827     :+
                                07C5 828     :-
                                07C5 829     test SMR$K_ALTER on job #1 to release it
                                07C5 830     :-
                                07C5 831     :-
                                07C5 832     NEXT_TEST
                                07C5 STP19:
0004'CF 13 DO 07C5          MOVL  #19,W^CURRENT_TC
                                00 DD 07CA          PUSHL  #0
0AFE'CF 01 FB 07CC          CALLS  #1,W^REG_SAVE
031E'CF 0D BO 07D1 833     MOVW  #SMR$K ALTER,W^SMSG ; set request code
63 53 0320'CF DE 07D6 834     MOVAL  W^MSGF2,R3        ; set message buffer pointer
01A1'CF 0E 28 07DB 835     MOVCS  #QUENAM1,W^QUENAM1,(R3) ; set the que name
53 0330'CF DE 07E1 836     MOVAL  W^MSG1,R3        ; set to correct end of que name
83 0CE7'CF BO 07E6 837     MOVW  W^JOBID,(R3)+     ; set job ID
                                83 22 90 07EB 838     MOVW  #SMO$K_JOBPRI,(R3)+ ; set option code
                                83 01 90 07EE 839     MOVW  #1,(R3)+         ; set the job priority
                                63 94 07F1 840     CLRB  (R3)             ; terminate the option list
                                00 DD 07F3 841     PUSHL  #0              ; push a dummy parameter
0AFE'CF 01 FB 07F5 842     CALLS  #1,W^REG_SAVE    ; save a register snapshot
                                07FA 843     $SNDSMB G W^SNDS      ; try G ALTER
                                0803 844     FAIL_CHECK SSS_NORMAL ; check failure

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08CE 886 :-
08CE 887 NEXT_TEST
08CE
08CE STP22:
0004'CF 16 DO 08CE MOVL #22,W^CURRENT_TC
00 DD 08D3 PUSHL #0
OAFE'CF 01 FB 08D5 CALLS #1,W^REG_SAVE
02F8'CF DF 08DA 888 PUSHAL W^OL2 ; set option list #2
0307'CF DF 08DE 889 PUSHAL W^JN2 ; set job name #2
OCFD'CF 02 FB 08E2 890 CALLS #2,W^CRE_JOB ; put job #2 in the que
031E'CF 0C BO 08E7 891 MOVW #SMR$K RMVJOB,W^MSG ; set request code
0330'CF OCE7'CF BO 08EC 892 MOVW W^JOBID,W^MSG1 ; set job ID
0332'CF 94 08F3 893 CLRB W^MSG1+2 ; set no options
OAFE'CF 00 DD 08F7 894 PUSHL #0 ; push a dummy parameter
OAFE'CF 01 FB 08F9 895 CALLS #1,W^REG_SAVE ; save a reg snapshot
08FE 896 $SNDSMB G W^SNDS ; try G and nail the last job
0907 897 FAIL_CHECK SSS_NORMAL ; check failure
0907
00000000'8F DD 0907 PUSHL #SS$ NORMAL
0B08'CF 01 FB 090D CALLS #1,W^REG_CHECK
0E59'CF 00 FB 0912 898 CALLS #0,W^SND_CHECK ; check results
0917 899 :+
0917 900 :
0917 901 : test SMR$K_MERGE on job #3
0917 902 :
0917 903 :-
0917 904 NEXT_TEST
0917
0917 STP23:
0004'CF 17 DO 0917 MOVL #23,W^CURRENT_TC
OAFE'CF 00 DD 091C PUSHL #0
OAFE'CF 01 FB 091E CALLS #1,W^REG_SAVE
02F0'CF DF 0923 905 PUSHAL W^OL1 ; set option list #3
0311'CF DF 0927 906 PUSHAL W^JN3 ; set job name #3
OCFD'CF 02 FB 092B 907 CALLS #2,W^CRE_JOB ; put job 3 in the que
53 031E'CF DE 0930 908 MOVAL W^MSG,R3 ; set address
83 04 BO 0935 909 MOVW #SMR$K_MERGE,(R3)+ ; set request code
63 01AF'CF OE 28 0938 910 MOV C3 #QUENAM2L,W^QUENAM2,(R3) ; set queue name 1
53 0330'CF DE 093E 911 MOVAL W^MSG1,R3 ; get to correct end of name
63 01A1'CF OE 28 0943 912 MOV C3 #QUENAM1L,W^QUENAM1,(R3) ; set queue name 2
02 A3 94 0949 913 CLRB 2(R3) ; set no options(*watch que name len)
OAFE'CF 00 DD 094C 914 PUSHL #0 ; push a dummy parameter
OAFE'CF 01 FB 094E 915 CALLS #1,W^REG_SAVE ; save a reg snapshot
0953 916 $SNDSMB G W^SNDS ; try G MERGE
095C 917 FAIL_CHECK SSS_NORMAL ; check failure
095C
00000000'8F DD 095C PUSHL #SS$ NORMAL
0B08'CF 01 FB 0962 CALLS #1,W^REG_CHECK
0E59'CF 00 FB 0967 918 CALLS #0,W^SND_CHECK ; check results
53 031E'CF DE 096C 919 MOVAL W^MSG,R3 ; set message address
83 0F BO 0971 920 MOVW #SMR$K_RELEASE,(R3)+ ; set request code
63 01AF'CF OE 28 0974 921 MOV C3 #QUENAM2L,W^QUENAM2,(R3) ; set the que name
53 0330'CF DE 097A 922 MOVAL W^MSG1,R3 ; get to the end of the quenam
83 OCE7'CF BO 097F 923 MOVW W^JOBID,(R3)+ ; set the job ID
63 94 0984 924 CLRB (R3) ; set no options
00 DD 0986 925 PUSHL #0 ; push a dummy parameter
OAFE'CF 01 FB 0988 926 CALLS #1,W^REG_SAVE ; save a register snapshot
098D 927 $SNDSMB G W^SNDS ; release the job
0996 928 FAIL_CHECK SSS_NORMAL ; check for failures

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00000000'8F DD 0996          PUSHL  #SS$ NORMAL
0B08'CF 01 FB 099C          CALLS  #1,W^REG_CHECK
0E59'CF 00 FB 09A1 929     CALLS  #0,W^SND_CHECK      ; check the results
031E'CF 11 BO 09A6 930     MOVW  #SMR$K SYNCJOB,W^MSG ; set request code
                                $SNDSMB G W^SNDS      ; sync on the job
                                FAIL_CHECK SSS_NORMAL ; check for failures
                                PUSHL  #SS$ NORMAL
                                CALLS  #1,W^REG_CHECK
56 00000000'8F DD 0984          PUSHL  #SS$ NORMAL
0B08'CF 01 FB 098A          CALLS  #1,W^REG_CHECK
56 00000000'8F DO 09BF 933     MOVL  #SS$ NORMAL,R6      ; set the expected status return
0E59'CF 00 FB 09C6 934     CALLS  #0,W^SND_CHECK      ; check the results
56 00040001 8F DO 09CB 935     MOVL  #JBC$ NORMAL,R6      ; set the expected status return
                                $STRNLOG_S LOGNAM = W^YES_DESC,-
                                RSLBUF = W^SYM_DESC,-
                                DSBMSK = #5
                                ; look for the group symbol
50 00000000'8F D1 09E9 939     CMPL  #SS$_NORMAL,R0      ; is it there?
                                BEQL  10$,          ; br if OK
                                0164'CF DF 09F2 941     PUSHAL W^BAT IMP_EXC      ; push error message address
0B4A'CF 01 FB 09F6 942     CALLS  #1,W^PRINT_FAIL    ; print the failure
                                09FB 943 10$:
                                09FB 944     $DELLOG_S LOGNAM = W^YES_DESC ; dump the logical name
                                OAOA 945 :+
                                OAOA 946 :
                                OAOA 947 : test SMR$K_DELETE
                                OAOA 948 :
                                OAOA 949 :-
                                OAOA 950     NEXT_TEST
                                STP24:
                                MOVL  #24,W^CURRENT_TC
                                PUSHL  #0
                                CALLS  #1,W^REG_SAVE
                                MOVW  #SMR$K STOP,W^MSG
                                MOVCS #QUENAM1L,W^QUENAM1,W^MSG+2 ; set request code
                                CLRB  W^MSG1          ; set the que name
                                PUSHL  #0          ; set no options
                                CALLS  #1,W^REG_SAVE ; push a dummy parameter
                                $SNDSMB G W^SNDS      ; save a reg snapshot
                                FAIL_CHECK SSS_NORMAL ; stop que 1
                                PUSHL  #SS$ NORMAL ; check for failures
                                CALLS  #1,W^REG_CHECK
0320'CF 01AF'CF 0E 28 0A47 959     CALLS  #0,W^SND_CHECK      ; check the results
                                MOVCS #QUENAM2C,W^QUENAM2,W^MSG+2 ; set the que name
                                PUSHL  #0          ; push a dummy param
                                CALLS  #1,W^REG_SAVE ; save a reg snapshot
                                $SNDSMB G W^SNDS      ; stop que 2
                                FAIL_CHECK SSS_NORMAL ; check for failures
                                PUSHL  #SS$ NORMAL
                                CALLS  #1,W^REG_CHECK
0320'CF 01AF'CF 0E 28 0A47 959     CALLS  #0,W^SND_CHECK      ; check the results
                                MOVW  #SMR$K DELETE,W^MSG ; set the request code
                                $SNDSMB G W^SNDS      ; delete the que
                                FAIL_CHECK SSS_NORMAL ; check for failures
                                PUSHL  #SS$ NORMAL
                                CALLS  #1,W^REG_CHECK
0320'CF 01A1'CF 0E 28 0A8D 969     CALLS  #0,W^SND_CHECK      ; check the results
                                MOVCS #QUENAM1C,W^QUENAM1,W^MSG+2 ; set the new que name
                                PUSHL  #0          ; push a dummy parameter

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OAFE 980 .SBTTL REG_SAVE
OAFE 981 :++
OAFE 982 : FUNCTIONAL DESCRIPTION:
OAFE 983 : Subroutine to save R2-R11 in the register save location.
OAFE 984 :
OAFE 985 : CALLING SEQUENCE:
OAFE 986 : PUSHL #0 ; save a dummy parameter
OAFE 987 : CALLS #1,W^REG_SAVE ; save R2-R11
OAFE 988 :
OAFE 989 : INPUT PARAMETERS:
OAFE 990 : NONE
OAFE 991 :
OAFE 992 : OUTPUT PARAMETERS:
OAFE 993 : NONE
OAFE 994 :
OAFE 995 : --
OAFE 996 :
OAFE 997 REG_SAVE:
0008'CF 14 AD 28 OFFC OAFE 998 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
28 28 OB00 999 MOVC3 #4*10,^X14(FP),W^REG_SAVE_AREA ; save the registers in the program
04 OB07 1000 RET
OB08 1001 .SBTTL REG_CHECK
OB08 1002 :++
OB08 1003 : FUNCTIONAL DESCRIPTION:
OB08 1004 : Subroutine to test R0 & R2-R11 for proper content after a service
OB08 1005 : execution. A snapshot is taken by the REG_SAVE routine at the
OB08 1006 : beginning of each step and this routine is executed after the
OB08 1007 : services have been executed.
OB08 1008 :
OB08 1009 : CALLING SEQUENCE:
OB08 1010 : PUSHL #SS$ XXXXXX ; push expected R0 contents
OB08 1011 : CALLS #1,W^REG_CHECK ; execute this routine
OB08 1012 :
OB08 1013 : INPUT PARAMETERS:
OB08 1014 : expected R0 contents on the stack
OB08 1015 :
OB08 1016 : OUTPUT PARAMETERS:
OB08 1017 : possible error messages printed using $PUTMSG
OB08 1018 :
OB08 1019 : --
OB08 1020 :
OB08 1021 REG_CHECK:
50 04 AC D1 OFFC OB08 1022 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
OE 13 OB0A 1023 CMPL 4(AP),R0 ; is this the right fail code?
50 DD OB0E 1024 BEQL 10$ ; br if yes
04 AC DD OB10 1025 PUSHL R0 ; push received data
0156'CF DF OB12 1026 PUSHL 4(AP) ; push expected data
OB4A'CF 03 FB OB15 1027 PUSHAL W^EXP ; push the string variable
OB1E 1028 CALLS #3,W^PRINT_FAIL ; print the error message
10$:
0008'CF 14 AD 28 29 OB1E 1029 CMPC3 #4*10,^X14(FP),W^REG_SAVE_AREA ; check all but R0
22 13 OB25 1031 BEQL 20$ ; br if O.K.
56 53 00000008'8F C3 OB27 1032 SUBL3 #REG_SAVE_AREA,R3,R6 ; calculate the register number
56 04 C6 OB2F 1033 DIVL2 #4,R6
7E 56 02 81 OB32 1034 ADDB3 #^X2,R6,-(SP) ; set number past R0-R1 and save
51 03 CA OB36 1035 BICL2 #3,R1 ; backup to register boundrys
53 03 CA OB39 1036 BICL2 #3,R3

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61 DD OB3C 1037 PUSHL (R1) ; push received data
63 DD OB3E 1038 PUSHL (R3) ; push expected data
00C9'CF DF OB40 1039 PUSHAL W^REG ; set string pntr param.
OB4A'CF 04 FB OB44 1040 CALLS #4,W^PRINT_FAIL ; print the error message
04 OB49 1041 20$:
OB49 1042 RET
OB4A 1043 .SBTTL PRINT_FAIL
OB4A 1044 :++
OB4A 1045 : FUNCTIONAL DESCRIPTION:
OB4A 1046 : Subroutine to report failures using $PUTMSG
OB4A 1047 :
OB4A 1048 : CALLING SEQUENCE:
OB4A 1049 : Mode #1 PUSHL EXPECTED Mode #2 PUSHL REG NUMBER
OB4A 1050 : PUSHL RECEIVED PUSHL EXPECTED
OB4A 1051 : PUSHAL STRING VAR PUSHL RECEIVED
OB4A 1052 : CALLS #3,W^PRINT_FAIL PUSHAL STRING VAR
OB4A 1053 : CALLS #4,W^PRINT_FAIL
OB4A 1054 : Mode #3 PUSHAL STRING VAR
OB4A 1055 : CALLS #1,W^PRINT_FAIL
OB4A 1056 :
OB4A 1057 : INPUT PARAMETERS:
OB4A 1058 : Listed above
OB4A 1059 :
OB4A 1060 : OUTPUT PARAMETERS:
OB4A 1061 : an error message is printed using $PUTMSG
OB4A 1062 :
OB4A 1063 :--
OB4A 1064 :
003C OB4A 1065 PRINT_FAIL:
OB4A 1066 .WORD ^M<R2,R3,R4,R5>
OB4C 1067 $FAO_S W^CS1,W^MESSAGEL,W^MSGL,#TEST_MOD_NAME,W^SERV_NAME,W^CURRENT_TC
OB6D 1068 $PUTMSG_S W^MSGVEC ; print the message
04 6C 91 OB7E 1069 CMPB (AP),#4 ; is this a register message?
26 13 OB81 1070 BEQL 10$ ; br if yes
01 6C 91 OB83 1071 CMPB (AP),#1 ; is this just a message?
48 13 OB86 1072 BEQL 20$ ; br if yes
40 11 OB88 1073 $FAO_S W^CS2,W^MESSAGEL,W^MSGL,4(AP),8(AP),4(AP),12(AP)
19 11 OB89 1074 BRB 30$ ; goto output message
OB89 1075 10$:
OB89 1076 $FAO_S W^CS3,W^MESSAGEL,W^MSGL,4(AP),16(AP),8(AP),4(AP),16(AP),12(AP)
OBCE 1077 BRB 30$ ; goto output message
01D7'CF 04 AC D0 OBDO 1078 20$:
OBDO 1079 MOVL 4(AP),W^MSGVEC1+12 ; save string address
OBDO 1080 $PUTMSG_S W^MSGVEC1 ; print the message
11 11 OBE7 1081 BRB -40$ ; skip the other message
OBE9 1082 30$:
OBE9 1083 $PUTMSG_S W^MSGVEC ; print the message
OBE9 1084 40$:
OBFA 1085 CALLS #0,W^MODE_ID ; identify the mode
0044'CF 004C'CF 002A'CF 00 FB OBFA 1086 MOVAL W^TEST_MOD_FAIL,W^TMD_ADDR ; set failure message address
0044'CF 03 00 02 FO OC06 1087 INSV #ERROR,#0,#3,W^MOD_MSG_CODE ; set severity code
04 OC0D 1088 RET
OC0E 1089 .SBTTL READ_CHECK
OC0E 1090 :++
OC0E 1091 : FUNCTIONAL DESCRIPTION:
OC0E 1092 : Subroutine to read a mailbox and check the status returned
OC0E 1093 : from the $SNDACC system service.

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    OC72 1129      .SBTTL CRE_JOB
    OC72 1130      :++
    OC72 1131      : FUNCTIONAL DESCRIPTION:
    OC72 1132      : Routine to enter a job in queue #1
    OC72 1133      :
    OC72 1134      : CALLING SEQUENCE:
    OC72 1135      : PUSHAL W^OPTION_LIST           ; counted option list ending with a
    OC72 1136      :                               ; byte of 0
    OC72 1137      : PUSHAL W^JOB_NAME             ; counted job name ending with a byte of 0
    OC72 1138      : CALLS #0,W^CRE_JOB                 ; check buffer
    OC72 1139      :
    OC72 1140      : INPUT PARAMETERS:
    OC72 1141      : Listed above plus inited NAMBLK to proper command file and
    OC72 1142      : location MBCHAN inited to the mailbox channel.
    OC72 1143      :
    OC72 1144      : OUTPUT PARAMETERS:
    OC72 1145      : Location JOBID contains the job ID of the created job and
    OC72 1146      : the job is placed in QUE #1
    OC72 1147      :
    OC72 1148      :--
    OC72 1149      :
    OC72 1150      : CREATE:                               ; create a job message buffer
00000032' OC72 1151      .LONG CR_MSGSIZ
0000007A' OC76 1152      .ADDRESS .F4
    0009 OC7A 1153      .WORD SMR&K_CREJOB
55 51 5F 54 41 42 5F 50 54 45 55 00' OC7C 1154      .ASCIC /UETP_BAT_QUE1/
    31 45 OC88
    OD OC7C
0000008C OC8A 1155      .BLKB 2
    OC8C 1156      OPTIONS:
000000AC OC8C 1157      .BLKB 32
00000032 OCAC 1158      CR_MSGSIZ=-CREATE-8
    OCAC 1159      ADDFILE:                               ; add a file message buffer
0000003E' OCAC 1160      .LONG AD_MSGSIZ
000000B4' OC80 1161      .ADDRESS .F4
    000A OCB4 1162      .WORD SMR&K_ADDFIL
    OCB6 1163      DEVICE:
000000C6 OCB6 1164      .BLKB 16
    OCC6 1165      FID:
000000CC OCC6 1166      .BLKB 6
    OCCC 1167      DID:
000000D2 OCCC 1168      .BLKB 6
4D 4F 43 2E 35 30 53 00' OCD2 1169      .ASCIC /S05.COM/
    07 OCD2
000000E7 OCDA 1170      .BLKB 13
    OCE7 1171      JOBID:
    0000 OCE7 1172      .WORD 0
    OCE9 1173      JOB_NAME:
000000F1 OCE9 1174      .BLKB 8
    00 OCF1 1175      .BYTE 0
0000003E OCF2 1176      AD_MSGSIZ=-ADDFILE-8
    OCF2 1177      CLOSE:                               ; close a job message buffer
00000003' OCF2 1178      .LONG CL_MSGSIZ
000000FA' OCF6 1179      .ADDRESS .F4
    000B OCF6 1180      .WORD SMR&K_CLSJOB
    00 OCF6 1181      .BYTE 0
00000003 OCFD 1182      CL_MSGSIZ=-CLOSE-8
  
```

				OCFD	1183	:	CRE_JOB:	.WORD	^M<R2,R3,R4,R5,R6,R7,R8,R9,R10>	
				OCFD	1184			MOVL	8(AP),R6	; get the option list pointer
			07FC	OCFD	1185			MOVZBL	(R6)+,R7	; get the option list size
	56	08	AC	DO	OCFF	1186		MOVCS	R7,(R6),W^OPTIONS	; set the option list
		57	86	9A	OD03	1187		MOVL	4(AP),R6	; get the name pointer
FFB0	CF	66	57	28	OD06	1188		MOVZBL	(R6)+,R7	; get the job name size
		56	04	AC	DO	OD0C	1189	MOVCS	R7,(R6),W^JOB NAME	; set the job name
		57	86	9A	OD10	1190		MOVCS	#FIDSIZ,W^NAMBLK+NAMSW_FID,W^FID	; set the FID
FFD0	CF	66	57	28	OD13	1191		MOVCS	#DIDSIZ,W^NAMBLK+NAMSW_DID,W^DID	; set the DID
FFA5	CF	03C4	CF	06	28	OD19	1192	MOVZBL	W^NAMBLK+NAMST_DVI,R6	; get device name size
FFA3	CF	03CA	CF	06	28	OD21	1193	INCL	R6	; include the count byte
		56	03B4	CF	9A	OD29	1194	MOVCS	R6,W^NAMBLK+NAMST_DVI,W^DEVICE	; set the device name
			56	D6	OD2E	1195		MOVL	#JBC\$_NORMAL,R6	; set expected status return
FF7E	CF	03B4	CF	56	28	OD30	1196	PUSHL	#0	; set a dummy parameter
	56	00040001	8F	DO	OD38	1197		CALLS	#1,W^REG_SAVE	; save a reg snapshot
			00	DD	OD3F	1198		\$SNDSMB_S MSGBUF = W^CREATE,-		
			01	FB	OD41	1199		CHAN = W^MBCHAN		; create a job
					OD46	1200		FAIL_CHECK SSS_NORMAL		; check for failure
					OD46	1201		PUSHL #SS\$_NORMAL		
					OD56	1202		CALLS #1,W^REG_CHECK		
			00000000	8F	DD	OD56		CALLS #0,W^SND_CHECK		; check the results
			FDA7	CF	01	FB	OD5C	MOVW W^MBUF+2,W^JOBID		; save the job ID
			OE59	CF	00	FB	OD61	\$SNDSMB_S MSGBUF = W^ADDFILE,-		
FF7A	CF	017D	CF	BO	OD66	1204		CHAN = W^MBCHAN		; add the file
					OD6D	1205		FAIL_CHECK SSS_NORMAL		; check for failure
					OD7D	1207		PUSHL #SS\$_NORMAL		
					OD7D			CALLS #1,W^REG_CHECK		
			00000000	8F	DD	OD7D		CALLS #0,W^SND_CHECK		; check the results
			FD80	CF	01	FB	OD83	\$SNDSMB_S MSGBUF = W^CLOSE,-		
			OE59	CF	00	FB	OD88	CHAN = W^MBCHAN		; close the job
					OD8D	1209		FAIL_CHECK SSS_NORMAL		; check for failures
					OD8D	1209		PUSHL #SS\$_NORMAL		
					OD9D	1211		CALLS #1,W^REG_CHECK		
					OD9D			CALLS #0,W^SND_CHECK		; check the results
			00000000	8F	DD	OD9D		RET		; thats all folks
			FD60	CF	01	FB	ODA3			
			OE59	CF	00	FB	ODAB			
					04	ODAD	1213			

```

ODAE 1215      .SBTTL BUF_CHECK
ODAE 1216      :++
ODAE 1217      : FUNCTIONAL DESCRIPTION:
ODAE 1218      : Routine to check the contents of a buffer against known good
ODAE 1219      : data.
ODAE 1220      :
ODAE 1221      : CALLING SEQUENCE:
ODAE 1222      : CALLS #0,W^BUF_CHECK           ; check buffer
ODAE 1223      :
ODAE 1224      : INPUT PARAMETERS:
ODAE 1225      : R6 = buffer address
ODAE 1226      : R7 = good data address
ODAE 1227      : R8 = byte count
ODAE 1228      :
ODAE 1229      : OUTPUT PARAMETERS:
ODAE 1230      : NONE
ODAE 1231      :
ODAE 1232      :--
ODAE 1233      :
ODAE 1234      BCSD:
00000050 ODAE 1235      .LONG      80
00000DB6 ODB2 1236      .ADDRESS BCBUF
ODAE 1237      BCBUF:
00000E06 ODB6 1238      .BLKB      80
ODAE 1239      BCOSD:
00000000 OE06 1240      .LONG      0
00000DB6 OE0A 1241      .ADDRESS BCBUF
ODAE 1242      PARAM1:
00000E1A OE0E 1243      .BLKL      3
ODAE 1244      :
ODAE 1245      : BUF_CHECK:
ODAE 1246      .WORD      ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10>
66 59 56 07FC OE1A 1247      MOVL      R6,R9           ; save a copy of the buffer address
67 67 58 29 OE1C 1248      MOVZBL   R8,(R7),(R6)       ; check the buffer
5A E6 AF DE OE23 1249      BEQL      10$           ; br if good
8A 8A 63 9A OE25 1250      MOVAL    B^PARAM1,R10      ; set parameter pointer
8A 8A 61 9A OE29 1251      MOVZBL   (R3),(R10)+       ; save bad data
8A 53 59 C3 OE2C 1252      MOVZBL   (R1),(R10)+       ; save good data
5A DB AF DE OE2F 1253      SUBL3    R9,R3,(R10)+     ; save byte offset
ODAE 1254      MOVAL    B^PARAM1,R10      ; reset address pointer
ODAE 1255      $FAO_S   CTRSTR = W^CS6,-
ODAE 1256      OUTLEN = W^BCOSD,-
ODAE 1257      OUTBUF = W^BCSD,-
ODAE 1258      P1 = (R10)+,-
ODAE 1259      P2 = (R10)+,-
ODAE 1260      P3 = (R10)+,-
FCF2 CF B3 AF DF OE50 1261      PUSHAL   B^BCOSD         ; make the string
ODAE 1262      CALLS    #1,W^PRINT_FAIL      ; push the string variable
ODAE 1263      10$:
ODAE 1264      RET                               ; return

```

```

OE59 1266 .SBTTL SND_CHECK
OE59 1267 :++
OE59 1268 : FUNCTIONAL DESCRIPTION:
OE59 1269 : Routine to check the contents of a buffer against known good
OE59 1270 : data.
OE59 1271 :
OE59 1272 : CALLING SEQUENCE:
OE59 1273 : CALLS #0,W^SND_CHECK ; check buffer
OE59 1274 :
OE59 1275 : INPUT PARAMETERS:
OE59 1276 : R6 = expected status code
OE59 1277 :
OE59 1278 : OUTPUT PARAMETERS:
OE59 1279 : NONE
OE59 1280 :
OE59 1281 :--

```

003C

```

OE59 1283 SND_CHECK:
OE59 1284 .WORD ^M<R2,R3,R4,R5>
OE5B 1285 $QIOW_S FUNC=#IOS$ READVBLK,-
OE5B 1286 CHAN=W^MBCHAN,-
OE5B 1287 IOSB=W^STATUSM,-
OE5B 1288 P1 =W^MBUF,-
OE5B 1289 P2 =#80 ; read the mail
OE82 1290 CMPL W^SERV_NAME,#SNDSMB ; SNDSMB or SNDOPR
OE8B 1291 BEQL 10$ ; br if SNDSMB
56 017D'CF B1 OE8D 1292 CMPW W^MBUF+OPC$W_MS_STATUS,R6 ; correct response type?
OE92 1293 BEQL 30$ ; br if yes
OE94 1294 PUSHL W^MBUF+OPC$W_MS_STATUS ; push received
OE98 1295 BRB 20$ ; br to common code
OE9A 1296 10$:
OE9A 1297 CMPL W^MBUF+4,R6 ; correct status return?
OE9F 1298 BEQL 30$ ; br if yes
017F'CF DD OEA1 1299 PUSHL W^MBUF+4 ; push received
OEAS 1300 20$:
OEAS 1301 PUSHL R6 ; push expected
0156'CF DF OEA7 1302 PUSHAL W^EXP ; push string variable
FC9A CF 03 FB OEAB 1303 CALLS #3,W^PRINT_FAIL ; print the failure
OE80 1304 30$:
OE80 1305 RET
OE81 1306 .SBTTL GENREQ
OE81 1307 :++
OE81 1308 : FUNCTIONAL DESCRIPTION:
OE81 1309 : routine to generate a pending request for $SNDOPR
OE81 1310 :
OE81 1311 : CALLING SEQUENCE:
OE81 1312 : CALLS #0,W^GENREQ ; generate a pending request
OE81 1313 :
OE81 1314 : INPUT PARAMETERS:
OE81 1315 : NONE
OE81 1316 :
OE81 1317 : OUTPUT PARAMETERS:
OE81 1318 : NONE
OE81 1319 :
OE81 1320 :--
OE81 1321 :
OE81 1322 GENREQ:

```

```

00000046'8F 0171'CF D1
OD 13
56 017D'CF B1
1C 13
017D'CF DD
OB 11
56 017F'CF D1
OF 13
017F'CF DD
56 DD
0156'CF DF
FC9A CF 03 FB
04

```

SA
V0
37
37
59
4F
4E
5F
49
41
41
41
41
41
41
41
41
41
41

SATSSS05
V04-000

- SATS SYSTEM SERVICE TESTS (SUCC S.C.) 16-SEP-1984 00:46:10 VAX/VMS Macro V04-00
GENREQ 5-SEP-1984 04:29:47 [UETPSY.SRC]SATSSS05.MAR;1

```
OFFC OEB1 1323 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
      OEB3 1324 $SENDOPR_S MSGBUF = W^OP MSG1,-
      OEB3 1325 CHAN = W^MBCHAN ; generate a request
      OEC3 1326 FAIL_CHECK SSS_NORMAL ; check for failure
      DD OEC3 PUSHL #SS$ NORMAL
      FB OEC9 CALLS #1,W^REG_CHECK
      O4 OECE 1327 RET
```

00000000'8F
FC3A CF 01

SA
V0
41
41
41

65
61
6E

4B

53

```
OEFC 1329 .SBTTL MODE_ID
OEFC 1330 :++
OEFC 1331 : FUNCTIONAL DESCRIPTION:
OEFC 1332 : Subroutine to identify the mode that an exit handler is in.
OEFC 1333 :
OEFC 1334 : CALLING SEQUENCE:
OEFC 1335 : CALLS #0,W^MODE_ID
OEFC 1336 :
OEFC 1337 : INPUT PARAMETERS:
OEFC 1338 : MODE contains an address pointing to an ascii string desc.
OEFC 1339 : of the current CPU mode.
OEFC 1340 :
OEFC 1341 : OUTPUT PARAMETERS:
OEFC 1342 : NONE
OEFC 1343 :
OEFC 1344 :--
OEFC 1345 :
003C OEFC 1346 MODE_ID:
OEFC 1347 .WORD ^M<R2,R3,R4,R5>
OED1 1348 $FAO S W^CS5,W^MESSAGEL,W^MSGL,MODE ; format the error message
OEEA 1349 $PUTMSG_S W^MSGVEC ; print the mode message
04 OEFC 1350 RET
```

```

OEFC 1352 MOD_MSG_PRINT:
OEFC 1353 :
OEFC 1354 :*****
OEFC 1355 :*
OEFC 1356 :* PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES *
OEFC 1357 :* (USING THE PUTMSG MACRO). *
OEFC 1358 :*
OEFC 1359 :*****
OEFC 1360 :
05 OEFC 1361 PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> ; PRINT MSG
OF17 1362 RSB ; ... AND RETURN TO CALLER
OF18 1363 :
OF18 1364 CHMRTN:
OF18 1365 :*****
OF18 1366 :*
OF18 1367 :* CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER *
OF18 1368 :* A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED *
OF18 1369 :* BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES *
OF18 1370 :* A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS *
OF18 1371 :* THE EFFECT OF RETURNING TO THE END OF THE MODE *
OF18 1372 :* MACRO EXPANSION. *
OF18 1373 :*
OF18 1374 :*****
OF18 1375 :
00000059'FF 0000 OF18 1376 .WORD 0 ; ENTRY MASK
17 OF1A 1377 JMP @CHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
OF20 1378 :
OF20 1379 :* RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
OF20 1380 :
OF20 1381 :.END SATSSS05
```

SATSSS05
Symbol table

SS.TAB	= 00000494	R	03	EXP	00000156	R	02
SS.TABEND	= 000004E4	R	03	FAB	00000400	R	03
SS.TMP	= 00000000			FAB\$C_BID	= 00000003		
SS.TMP1	= 00000001			FAB\$C_BLN	= 00000050		
SS.TMP2	= 000000CF			FAB\$C_SEQ	= 00000000		
SSARGS	= 00000002			FAB\$C_VAR	= 00000002		
SST1	= 00000004			FAB\$S_ALQ	= 00000010		
SST2	= 00000004			FAB\$S_FOP	= 00000004		
A	= 00000064			FAB\$V_CHAN_MODE	= 00000002		
ACCSK_BATRM	= 00000002			FAB\$V_CR	= 00000001		
ACCSK_DISAACC	= 00000004			FAB\$V_FILE_MODE	= 00000004		
ACCSK_DISASEL	= 00000006			FAB\$V_LNM_MODE	= 00000000		
ACCSK_ENABACC	= 00000003			FAB\$V_PUT	= 00000000		
ACCSK_ENABSEL	= 00000005			FAB\$W_GBC	= 00000048		
ACCSK_INSMESG	= 00000001			FAB1	00000494	R	03
ACCSK_INSMMSG	= 00000011			FID	00000CC6	R	04
ACCSK_INTTRM	= 00000003			FIDSIZ	= 00000006		
ACCSK_LOGTRM	= 00000004			FILE_NAME	0000027C	R	02
ACCSK_PRCTRM	= 00000001			FILE_NAME1	00000290	R	02
ACCSK_PRTJOB	= 00000010			FILNAMSIZ	= 00000014		
ACC_DESC	0000023E	R	03	GENREQ	00000EB1	R	04
ACC_MSG	000001E3	R	03	GET1	00000221	R	04
ACC_MSG1	00000235	R	03	GET2	00000299	R	04
ADDFILE	00000CAC	R	04	INFO	= 00000003		
AD_MSGSIZ	= 0000003E			IOSM_NOW	*****	X	04
ALC_OPR	= 00FFFF01F			IOS_READVBLK	*****	X	03
BAT_IMP_EXC	00000164	R	02	JBC\$_NORMAL	= 00040001		
BCBUF	00000DB6	R	04	JN1	000002FD	R	02
BCOSD	00000E06	R	04	JN2	00000307	R	02
BCSD	00000DAE	R	04	JN3	00000311	R	02
BUF	000000E7	R	03	JOBID	00000CE7	R	04
BUF_CHECK	00000E1A	R	04	JOB_NAME	00000CE9	R	04
BUF_SIZE	= 00000064			LF	= 0000000A		
CHMRTN	00000F18	R	04	LIB\$SIGNAL	*****	X	04
CHM_CONT	00000059	R	03	MBCHAN	00000175	R	03
CLOSE	00000CF2	R	04	MBNAM	00000140	R	02
CL_MSGSIZ	= 00000003			MBUF	0000017B	R	03
COM_FILE	00000297	R	02	MESSAGEL	00000169	R	03
COM_FIL_SIZ	= 00000007			MODE	00000177	R	03
CR	= 0000000D			MODE_ID	00000ECF	R	04
CREATE	00000C72	R	04	MOD_MSG_CODE	00000044	R	03
CRE_JOB	00000CFD	R	04	MOD_MSG_PRINT	00000EFC	R	04
CR_MSGSIZ	= 00000032			MSG\$ ACCRSP	*****	X	04
CST	0000004D	R	02	MSG1C	= 00000036		
CS2	0000007F	R	02	MSG1_SIZE	= 00000009		
CS3	000000AC	R	02	MSGL	000000DF	R	03
CS5	000000DF	R	02	MSGVEC	000001BD	R	02
CS6	000000F4	R	02	MSGVEC1	000001CB	R	03
CTL\$GL_PHD	*****	X	04	MSG_LEN	= 00000080		
CURRENT_TC	00000004	R	03	MSG_SIZE	= 00000052		
DEVICE	00000CB6	R	04	NAM\$B_ESS	= 0000000A		
DIB\$W_UNIT	= 0000000C			NAM\$B_NOP	= 00000008		
DID	00000CCC	R	04	NAM\$B_RSS	= 00000002		
DIDSIZ	= 00000006			NAM\$C_BID	= 00000002		
EMB\$C_SS	= 00000027			NAM\$C_BLN	= 00000060		
EMB\$W_HD_ENTRY	= 00000004			NAM\$S_ESA	= 0000000C		
ERROR	= 00000002			NAM\$S_RSA	= 00000004		

SATSSS05
Symbol table

NAMST_DVI	=	00000014		PRVSV_OPER	=	00000012	
NAMSW_DID	=	0000002A		PRVPRT	=	00000050	R 03
NAMSW_FID	=	00000024		QIO	=	00000069	R 03
NAMBLR	=	000003A0	R 03	QIOS_ASTADR	=	00000014	
NAME_SIZE	=	00000008		QIOS_ASTPRM	=	00000018	
OL1	=	000002F0	R 02	QIOS_CHAN	=	00000008	
OL1S	=	00000007		QIOS_EFN	=	00000004	
OL2	=	000002F8	R 02	QIOS_FUNC	=	0000000C	
OL2S	=	00000004		QIOS_IOSB	=	00000010	
OPCSB_MS_ENAB	=	00000001		QIOS_NARGS	=	0000000C	
OPCSL_MS_MASK	=	00000004		QIOS_P1	=	0000001C	
OPCSL_MS_OTEXT	=	0000001A		QIOS_P2	=	00000020	
OPCSL_MS_RPLYID	=	00000004		QIOS_P3	=	00000024	
OPCSL_MS_RQSTID	=	00000004		QIOS_P4	=	00000028	
OPCSL_MS_TEXT	=	00000008		QIOS_P5	=	0000002C	
OPCSM_NM_CENTRL	=	00000001		QIOS_P6	=	00000030	
OPCSM_NM_DEVICE	=	00000010		QUENAM1	=	000001A1	R 02
OPCSM_NM_DISKS	=	00000008		QUENAM1L	=	0000000E	
OPCSM_NM_OPER1	=	00001000		QUENAM2	=	000001AF	R 02
OPCSM_NM_OPER10	=	00200000		QUENAM2L	=	0000000E	
OPCSM_NM_OPER11	=	00400000		RAB	=	00000450	R 03
OPCSM_NM_OPER12	=	00800000		RABSB_RAC	=	0000001E	
OPCSM_NM_OPER2	=	00002000		RABSC_BID	=	00000001	
OPCSM_NM_OPER3	=	00004000		RABSC_BLN	=	00000044	
OPCSM_NM_OPER4	=	00008000		RABSC_SEQ	=	00000000	
OPCSM_NM_OPER5	=	00010000		RABSL_CTX	=	00000018	
OPCSM_NM_OPER6	=	00020000		RABSL_RBF	=	00000028	
OPCSM_NM_OPER7	=	00040000		RABSL_ROP	=	00000004	
OPCSM_NM_OPER8	=	00080000		RABSW_RSZ	=	00000022	
OPCSM_NM_OPER9	=	00100000		READ_CHECK	=	00000C0E	R 04
OPCSM_NM_PRINT	=	00000002		RECO_SIZE	=	00000025	
OPCSM_NM_TAPES	=	00000004		REC1	=	000002BC	R 02
OPCST_MS_ONAME	=	0000000A		REC1_SIZE	=	0000000B	
OPCSW_MS_OUNIT	=	00000008		REC2	=	000002C7	R 02
OPCSW_MS_STATUS	=	00000002		REC2_SIZE	=	00000029	
OPCS_RQSTABORT	=	0005801C		REG	=	000000C9	R 03
OPCS_RQSTCAN	=	00058084		REGNUM	=	000000DB	R 03
OPCS_RQSTCMLTE	=	00058029		REG_CHECK	=	00000B08	R 04
OPCS_RQSTPEND	=	00058021		REG_SAVE	=	00000AFE	R 04
OPCS_RQ_CANCEL	=	00000005		REG_SAVE_AREA	=	00000008	R 03
OPCS_RQ_REPLY	=	00000004		RETADR	=	0000005D	R 03
OPCS_RQ_RQST	=	00000003		SATSSS05	=	00000000	RG 04
OPCS_RQ_TERME	=	00000001		SERV_NAME	=	00000171	R 03
OPMSG	=	00000296	R 03	SEVERE	=	00000004	
OPMSG_DESC	=	0000028E	R 03	SHRSK_SHRDEF	=	00000001	
OPNAME	=	00000239	R 02	SHRS TEXT	=	00001130	
OPTIONS	=	00000C8C	R 04	SMOSK_DETJOB	=	00C00043	
OPTYPE	=	00000246	R 03	SMOSK_DISWAP	=	0000004E	
OP_MSG	=	0000024E	R 02	SMOSK_HOLD	=	00000021	
OP_MSG_LEN	=	0000002E		SMOSK_INIPRI	=	0000004D	
OP_MSG1	=	0000023E	R 02	SMOSK_JOBLIM	=	0000004C	
PARAM1	=	00000E0E	R 04	SMOSK_JOBPRI	=	00000022	
PHDSQ_PRIVMSK	=	00000000		SMOSK_PARAMS	=	00000026	
PRINT_FAIL	=	00000B4A	R 04	SMRSK_ADDFIL	=	0000000A	
PRIVMSK	=	00000051	R 03	SMRSK_ALTER	=	0000000D	
PRIV_ARGS	=	00000002		SMRSK_CLSJOB	=	0000000B	
PRVSV_BUGCHK	=	00000017		SMRSK_CREJOB	=	00000009	

SATSSS05
Symbol table

SMR\$K_DELETE	=	00000001		
SMR\$K_INITIAL	=	00000000		
SMR\$K_MERGE	=	00000004		
SMR\$K_PAUSE	=	00000003		
SMR\$K_RELEASE	=	0000000F		
SMR\$K_RMVJOB	=	0000000C		
SMR\$K_START	=	00000002		
SMR\$K_STOP	=	00000007		
SMR\$K_SYNCJOB	=	00000011		
SMSG		0000031E	R	03
SMSG1		00000330	R	03
SMSG_DESC		00000316	R	03
SMSG_LEN	=	0000006C		
SNDA		0000009D	R	03
SNDACC		00000031	R	02
SNDACC\$_CHAN	=	00000008		
SNDACC\$_MSGBUF	=	00000004		
SNDACC\$_NARGS	=	00000002		
SNDE		000000A9	R	03
SNDERR		00000038	R	02
SNDERR\$_MSGBUF	=	00000004		
SNDERR\$_NARGS	=	00000001		
SNDO		000000B1	R	03
SNDOPR		0000003F	R	02
SNDOPR\$_CHAN	=	00000008		
SNDOPR\$_MSGBUF	=	00000004		
SNDOPR\$_NARGS	=	00000002		
SNDS		000000BD	R	03
SNDSMB		00000046	R	02
SNDSMB\$_CHAN	=	00000008		
SNDSMB\$_MSGBUF	=	00000004		
SNDSMB\$_NARGS	=	00000002		
SND_CHECK		00000E59	R	04
SS\$NORMAL		*****	X	04
STATUS		000001DB	R	03
STATUSM		00000065	R	03
STEP	=	00000018		
STP0		0000003D	R	04
STP1		000000DB	R	04
STP10		000003DC	R	04
STP11		00000450	R	04
STP12		00000543	R	04
STP13		00000575	R	04
STP14		00000589	R	04
STP15		00000653	R	04
STP16		000006A9	R	04
STP17		000006F8	R	04
STP18		00000747	R	04
STP19		000007C5	R	04
STP2		0000010C	R	04
STP20		00000813	R	04
STP21		00000848	R	04
STP22		000008CE	R	04
STP23		00000917	R	04
STP24		00000A0A	R	04
STP3		0000013D	R	04
STP4		0000016E	R	04

STP5		0000019F	R	04
STP6		0000025D	R	04
STP7		000002C6	R	04
STP8		00000318	R	04
STP9		00000366	R	04
ST\$SV_INHIB_MSG	=	0000001C		
SUCCESS	=	00000001		
SYM		0000038A	R	03
SYM_DESC		00000195	R	02
SYM_NAME		00000192	R	02
SY\$CLOSE		*****	GX	04
SY\$CMKRNL		*****	GX	04
SY\$CONNECT		*****	GX	04
SY\$CREATE		*****	GX	04
SY\$CREMBX		*****	GX	04
SY\$DASSGN		*****	GX	04
SY\$DELLOG		*****	GX	04
SY\$DERLMB		*****	X	04
SY\$DISCONNECT		*****	GX	04
SY\$ERASE		*****	GX	04
SY\$EXIT		*****	GX	04
SY\$FAO		*****	X	04
SY\$GETCHN		*****	GX	04
SY\$HIBER		*****	GX	04
SY\$PUT		*****	GX	04
SY\$PUTMSG		*****	GX	04
SY\$QIO		*****	GX	04
SY\$QIOW		*****	GX	04
SY\$SETPRN		*****	GX	04
SY\$SETPRV		*****	GX	04
SY\$SNDACC		*****	GX	04
SY\$SNDERR		*****	GX	04
SY\$SNDOPR		*****	GX	04
SY\$SNDSMB		*****	GX	04
SY\$TRNLOG		*****	GX	04
SY\$WAITFR		*****	GX	04
SY\$WAKE		*****	GX	04
TEST_ERROR		000001CD	R	02
TEST_MOD_BEGIN		00000019	R	02
TEST_MOD_FAIL		0000002A	R	02
TEST_MOD_NAME		00000000	R	02
TEST_MOD_NAME_D		00000009	R	02
TEST_MOD_SUCC		0000001F	R	02
TMD_ADDR		0000004C	R	03
TMN_ADDR		00000048	R	03
TPID		00000000	R	03
TTNAM		0000014F	R	02
TTUNIT		00000154	R	02
UETP\$SATSMS	=	007480D9		
UETP\$_TEXT	=	00741133		
UM		00000134	R	02
WARNING	=	00000000		
YES		0000019D	R	02
YES_DESC		0000018A	R	02

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

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	0000031B (795.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	000004E4 (1252.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SATSSS05	00000F20 (3872.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.08	00:00:00.43
Command processing	152	00:00:00.73	00:00:03.13
Pass 1	589	00:00:24.73	00:00:38.18
Symbol table sort	0	00:00:02.46	00:00:02.81
Pass 2	297	00:00:05.77	00:00:07.90
Symbol table output	39	00:00:00.27	00:00:00.28
Psect synopsis output	3	00:00:00.02	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	1119	00:00:34.06	00:00:52.76

The working set limit was 2000 pages.
144825 bytes (283 pages) of virtual memory were used to buffer the intermediate code.
There were 90 pages of symbol table space allocated to hold 1646 non-local and 19 local symbols.
1381 source lines were read in Pass 1, producing 40 object records in Pass 2.
98 pages of virtual memory were used to define 88 macros.

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

Macro library name	Macros defined
_\$255\$DUA28:[SHRLIB]UETP.MLB;1	12
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	6
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	67
TOTALS (all libraries)	85

2203 GETS were required to define 85 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSS05/OBJ=OBJ\$:SATSSS05 MSRC\$:SATSSS05/UPDATE=(ENH\$:SATSSS05)+EXECMLS/LIB+SHRLIB\$:UETP/LIB

The image displays a grid of 15 columns and 15 rows of small, illegible text fragments. These fragments appear to be individual data records or small documents, possibly representing a large table or a series of small documents. Some fragments are more legible than others, showing headers and data fields. The overall appearance is that of a dense, multi-page document where the individual pages are too small to read clearly.

Some legible fragments include:

- SATSSS08 LIS
- SATSSS05 LIS
- SATSSS22 LIS
- SATSSS07 LIS
- SATSSS01 LIS