

[illegible]


```
SSSSSSSS  UU    UU    CCCCCCCC  CCCCCCCC  000000  MM    MM    MM    MM    000000  NN    NN
SSSSSSSS  UU    UU    CCCCCCCC  CCCCCCCC  000000  MM    MM    MM    MM    000000  NN    NN
SS    SS    UU    UU    CC    CC    00    00  MMMM  MMMM  MMMM  MMMM  00    00  NN    NN
SS    SS    UU    UU    CC    CC    00    00  MM  MM  MM    MM    MM    MM  00    00  NN    NN
SS    SS    UU    UU    CC    CC    00    00  MM    MM    MM    MM    MM    MM  00    00  NN    NN
SSSSSSS    UU    UU    CC    CC    00    00  MM    MM    MM    MM    MM    MM  00    00  NN    NN
SSSSSSS    UU    UU    CC    CC    00    00  MM    MM    MM    MM    MM    MM  00    00  NN    NN
SS    SS    UU    UU    CC    CC    00    00  MM    MM    MM    MM    MM    MM  00    00  NN    NN
SS    SS    UU    UU    CC    CC    00    00  MM    MM    MM    MM    MM    MM  00    00  NN    NN
SS    SS    UU    UU    CC    CC    00    00  MM    MM    MM    MM    MM    MM  00    00  NN    NN
SSSSSSSS  UUUUUUUUUU  CCCCCCCC  CCCCCCCC  000000  MM    MM    MM    MM    000000  NN    NN
SSSSSSSS  UUUUUUUUUU  CCCCCCCC  CCCCCCCC  000000  MM    MM    MM    MM    000000  NN    NN
                                     . . . .
                                     . . . .
                                     . . . .
                                     . . . .

LL    LL    I I I I I  SSSSSSSS
LL    LL    I I I I I  SSSSSSSS
LL    LL    I I      SS
LL    LL    I I      SS
LL    LL    I I      SS
LL    LL    I I      SSSSSS
LL    LL    I I      SSSSSS
LL    LL    I I      SS
LL    LL    I I      SS
LL    LL    I I      SS
LL    LL    I I      SS
LLLLLLLLLL  I I I I I  SSSSSSSS
LLLLLLLLLL  I I I I I  SSSSSSSS
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SUCCESS
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SATS SYSTEM SERVICE TESTS

COMMON (SUCC 16-SEP-1984 00:44:29 VAX/VMS Macro V04-00

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DECLARATIONS
SUCCESS
SUBROUTINES


```

0000 1 .TITLE SUCCESSFUL SATS SYSTEM SERVICE TESTS COMMON (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: SYSTST (SATS SYSTEM SERVICE TESTS)
0000 31
0000 32 ABSTRACT:
0000 33
0000 34 THE SUCCESSFUL MODULE CONTAINS SUBROUTINES WHICH, WHEN
0000 35 LINKED WITH EACH OF THE OBJECT MODULES SATSSS .OBJ, FORM THE TEST
0000 36 MODULES SATSSS .EXE TO TEST SUCCESSFUL OPERATION OF THE VMS SYSTEM
0000 37 SERVICES. THE SUCCESSFUL MODULE CONTAINS SEVERAL COMMON SUBROUTINES
0000 38 USED BY EACH OF THE SATSSS MODULES PLUS THE SUCCESSFUL ROUTINE,
0000 39 WHICH DISTRIBUTES CONTROL TO ALL SUBROUTINES.
0000 40
0000 41 ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 42 DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 43
0000 44 AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: APR, 1977
0000 45
0000 46 MODIFIED BY:
0000 47
0000 48 : VERSION
0000 49 01 -
0000 50 --

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0000 52 .SBTTL DECLARATIONS
0000 53 :
0000 54 : INCLUDE FILES:
0000 55 :
0000 56 $STSDEF ; DEFINE MSG CODE SYMBOLS
0000 57 $UETPDEF ; GENERATE UETP MESSAGE DEFS
0000 58 $SHR_MESSAGES UETP,116,<<TEXT,INFO>> ; DEFINE UETP$_TEXT MSG
0000 59 :
0000 60 : MACROS:
0000 61 :
0000 62 :
0000 63 : EQUATED SYMBOLS:
0000 64 :
00000000 0000 65 WARNING = 0 ; WARNING SEVERITY VALUE
00000001 0000 66 SUCCESS == 1 ; SUCCESS SEVERITY VALUE
00000002 0000 67 ERROR = 2 ; ERROR SEVERITY VALUE
00000003 0000 68 INFO = 3 ; INFORMATIONAL SEVERITY VALUE
00000004 0000 69 SEVERE = 4 ; SEVERE (FATAL) SEVERITY VALUE
00000082 0000 70 BUFFL = 130 ; LENGTH OF FAO OUTPUT BUFFER
0000000C 0000 71 CMPC_SAV == ^M<R2,R3> ; REGISTER SAVE MASK FOR CMPC INSTRUCTION
00007FFF 0000 72 RO_THRU_SP == ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP,SP>
0000 73 :
0000 74 : OWN STORAGE:
0000 75 :

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00000000 77 .PSECT ROD COMM,RD,NOWRT,NOEXE, LONG
FFFFFFFF FFFFFFFF 0000 78 ONES:: .LONG -1,-1 ; A QUADWORD OF 1 BITS
0008 79 TEST_MOD_BEG: STRING C,<begun> ; DISPOSITION FIELD OF TEST MOD MSG
000E 80 TEST_MOD_SUCC:: STRING C,<successful> ; DISPOSITION FIELD OF TEST MOD MSG
0019 81 TEST_MOD_FAIL: STRING C,<failed> ; DISPOSITION FIELD OF TEST MOD MSG
0020 82 MSG2_CND_CTL1: STRING I,<!15* !AC: !AC> ; FIRST FORM OF MSG2
0035 83 MSG2_CND_CTL2: STRING I,<!15* !AC ARGUMENT: !AC: !AS>
0058 84 ; SECOND FORM OF MSG2
0058 85 MSG2_CND_CTL3: STRING I,<!15* !AC ARGUMENT: !AC: !#(NXL)>
007F 86 ; THIRD FORM OF MSG2
007F 87 ; NOTE MSG3_ERR_CTL IS IN A DIFF PSECT
007F 88 MSG4_ERR_CTL1: STRING I,<!15* !AC VALUE: !AS>
009A 89 ; FIRST FORM FOR MSG4
009A 90 MSG4_ERR_CTL2: STRING I,<!15* !AC VALUE: !#(NXL)>
00B9 91 ; 2ND FORM FOR MSG4
00B9 92 EXP: STRING C,<EXPECTED> ; COUNTED STRING FOR MSG4
00C2 93 REC: STRING C,<RECEIVED> ; COUNTED STRING FOR MSG4
00CB 94 APC: STRING C,<APPROXIMATE PC> ; COUNTED STRING FOR MSG 4

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00000000 96 .PSECT RWD COMM, RD, WRT, NOEXE, LONG
0000003C 0000 97 REG_SAVE_AREA: .BLKL 15 ; SAVE AREA FOR ALL REGS (SANS PC)
0000 003C 98 TESTNUM: .WORD 0 ; SEQUENTIAL TEST NUMBER
00000042 003E 99 CHM_CONT: .BLKL 1 ; CHANGE MODE CONTINUE ADDRESS
007480D9 0042 100 MOD_MSG_CODE: .LONG UETPS_SATSMS ; TEST MODULE MSG CODE FOR PUTMSG
00000000 0046 101 TMN_ADDR: .ADDRESS TEST_MOD_NAME ; ADDR OF TEST MOD NAME FOR FAO
00000008 004A 102 TMD_ADDR: .ADDRESS TEST_MOD_BEG ; ADDR OF T.M. DISP FIELD FOR FAO
00000052 004E 103 FAO_LEN: .BLKL 1 ; ACTUAL LENGTH RETURNED BY FAO
0052 104 FAO_DESC: STRING 0, BUFFL ; BUFFER INTO WHICH FAO CREATES STRING
000000DD 00DC 105 MSG_CTXT: .BLKB 1 ; CONTEXT VALUE FOR ITEMS IN MESSAGES
000000E1 00DD 106 MSG_DATA1: .BLKL 1 ; INPUT PARAMETER FOR VARIOUS MSG WRITE RTNS
000000E5 00E1 107 MSG_A: .BLKL 1 ; LONGWORD PARAMETER USED BY FAO
000000E9 00E5 108 MSG_B: .BLKL 1 ; LONGWORD PARAMETER USED BY FAO
000000ED 00E9 109 MSG_C: .BLKL 1 ; LONGWORD PARAMETER USED BY FAO
000000F1 00ED 110 MSG_D: .BLKL 1 ; LONGWORD PARAMETER USED BY FAO
00F1 111 ;
00F1 112 ; NOTE -- FOLLOWING TWO PARAMETERS ARE INITIALIZED TO ENSURE
00F1 113 ; ACCESSIBILITY WHEN FAO SYSTEM SERVICE REFERENCES
00F1 114 ; THEIR CONTENTS.
00F1 115 ;
000000F1 00F1 116 MSG_E: .ADDRESS MSG_E ; LONGWORD PARAMETER USED BY FAO
000000F5 00F5 117 MSG_F: .ADDRESS MSG_F ; LONGWORD PARAMETER USED BY FAO
00000101 00F9 118 EXPV: .BLKB 1 ; EXPECTED VALUE FOR VERIFY ROUTINE
00000109 0101 119 RECV: .BLKB 1 ; RECEIVED VALUE FOR VERIFY ROUTINE
0000010D 0109 120 PCV: .BLKL 1 ; SAVE AREA FOR PC VALUE
00 010D 121 CFLAG: .BYTE 0 ; CONDITIONS FLAG: ZERO MEANS NO CONDS MSG
00 010E 122 EFLAG: .BYTE 0 ; ERROR FLAG: ZERO MEANS NO ERRORS YET
00000110 010F 123 CONFLICT: .BLKB 1 ; CONFLICT INDICATOR ; 0 MEANS ...
0110 124 ; ... NO CONDITION TABLE CONFLICT
00000000 125 .PSECT SUCCESSCOMMON, RD, WRT, EXE

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0000 127 .SBTTL SUCCOMMON
0000 128 :++
0000 129 : FUNCTIONAL DESCRIPTION:
0000 130 :
0000 131 : THE SUCCOMMON ROUTINE IS ENTERED WHENEVER A SATS TEST
0000 132 : MODULE IS RUN TO TEST ONE OR MORE SYSTEM SERVICE(S), EXPECTING SUCCESS
0000 133 : STATUS CODES. THE BASIC FUNCTION OF THE ROUTINE IS TO CAUSE MULTIPLE
0000 134 : INVOCATIONS OF THE VERIFY SUBROUTINE, WHICH ISSUES AND VERIFIES THE
0000 135 : SUBJECT SYSTEM SERVICE(S). FOLLOWING THE INVOCATIONS, THE ROUTINE EXITS
0000 136 : TO THE OPERATING SYSTEM WITH A STATUS CODE INDICATING SUCCESS OR FAILURE
0000 137 : OF THE TEST MODULE. VERIFY IS CALLED ONCE FOR EACH COMBINATION OF
0000 138 : VALUES IN THE CONDITION TABLES. THERE MAY BE FROM ONE TO FIVE CONDITION
0000 139 : TABLES, WITH FROM ONE TO FIVE ENTRIES EACH. THEREFORE VERIFY MAY BE
0000 140 : CALLED FROM 1 TO 3125 TIMES, DEPENDING ON THE QUANTITY AND SIZES OF
0000 141 : THE CONDITION TABLES. EACH TABLE REPRESENTS A VARIABLE IN SYSTEM
0000 142 : SERVICE SPECIFICATION OR SYSTEM ENVIRONMENT; A TYPICAL EXAMPLE OF
0000 143 : A VARIABLE IS ONE OF THE SYSTEM SERVICE INPUT ARGUMENTS. EACH TABLE
0000 144 : ENTRY (ELEMENT) REPRESENTS A VALUE FOR THE VARIABLE REPRESENTED BY
0000 145 : THE TABLE. THE CURRENTLY SELECTED ELEMENT FOR EACH TABLE IS REPRESENTED
0000 146 : BY A VALUE (FROM 1 TO 5) IN AN INDEX REGISTER (R2-R6 FOR CONDITION
0000 147 : TABLES 1-5, RESPECTIVELY). SUCCOMMON CONTAINS A CALL TO THE VERIFY
0000 148 : SUBROUTINE AT THE CENTER OF A GROUP OF NESTED LOOPS, ONE LOOP FOR EACH
0000 149 : TABLE. THEREFORE, UPON EACH ENTRY TO VERIFY, REGISTERS R2-R6 CONTAIN
0000 150 : VALUES REPRESENTING ONE COMBINATION OF CONDITION TABLE VALUES. AS A
0000 151 : NEW ENTRY IN EACH TABLE IS SELECTED, A CONDITION TABLE SETUP SUBROUTINE
0000 152 : IS CALLED (COND1,2,3,4,5) TO ALLOW TABLE-SPECIFIC SETUP CODE TO BE
0000 153 : EXECUTED; ALSO, BEFORE ENTERING THE LOOP, SUCCOMMON CALLS A SETUP
0000 154 : ROUTINE (TM SETUP) TO EXECUTE TEST-MODULE-SPECIFIC SETUP CODE,
0000 155 : APPLICABLE ACROSS ALL CONDITION TABLES. EACH OF THE SETUP SUBROUTINES
0000 156 : AND THE VERIFY SUBROUTINE HAVE ASSOCIATED CLEANUP SUBROUTINES,
0000 157 : EACH OF WHICH IS EXECUTED FOLLOWING VERIFY, ONCE FOR EACH EXECUTION
0000 158 : OF ITS CORRESPONDING SETUP ROUTINE. THIS STRUCTURE GUARANTEES THAT
0000 159 : CLEANUP (OF ACQUIRED RESOURCES, FOR EXAMPLE) IS ALWAYS PERFORMED FOR
0000 160 : EACH SETUP, EVEN IN THE CASE WHERE AN ERROR PREMATURELY TERMINATES
0000 161 : EXECUTION OF THE TEST MODULE. THE FIRST CALL TO VERIFY WHICH FINDS
0000 162 : AN ERROR CAUSES TERMINATION OF THE TEST MODULE WITH A "TEST MODULE
0000 163 : FAILED" MESSAGE.
0000 164 :
0000 165 : CALLING SEQUENCE:
0000 166 :
0000 167 : $ RUN SATSSS__ ... (DCL COMMAND)
0000 168 :
0000 169 : INPUT PARAMETERS:
0000 170 :
0000 171 : NONE
0000 172 :
0000 173 : IMPLICIT INPUTS:
0000 174 :
0000 175 : NONE
0000 176 :
0000 177 : OUTPUT PARAMETERS:
0000 178 :
0000 179 : NONE
0000 180 :
0000 181 : IMPLICIT OUTPUTS:
0000 182 :
0000 183 : MESSAGES TO SYSS$OUTPUT ARE THE ONLY OUTPUT FROM SUCCOMMON.

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0000 184 : THEY ARE OF THE FORM:
0000 185 :
0000 186 : %UETP-S-SATSMS, TEST MODULE SATSSS-- BEGUN ... (BEGIN MSG)
0000 187 : %UETP-S-SATSMS, TEST MODULE SATSSS-- SUCCESSFUL ... (END MSG)
0000 188 : %UETP-E-SATSMS, TEST MODULE SATSSS-- FAILED ... (END MSG)
0000 189 : %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 190 :
0000 191 : COMPLETION CODES:
0000 192 :
0000 193 : THE SUCCESS ROUTINE TERMINATES WITH A $EXIT TO THE
0000 194 : OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETPS_SATSMS.
0000 195 :
0000 196 : SIDE EFFECTS:
0000 197 :
0000 198 : NONE
0000 199 :
0000 200 : --
0000 201 :
0000 202 :
0000 203 :
0000 204 : SUCCESS:
OFFC 0000 205 : .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
0000 206 : ENTRY MASK
FFFB' 30 0002 207 : BSBW TM SETUP
0000010E'EF 95 0005 208 : TSTB EFLAG
03 13 000B 209 : BEQL 10$
00E0 31 000D 210 : BRW TM_CU
0010 211 10$:
52 D4 0010 212 : CLRL R2
0012 213 COND1_LOOP:
0000010F'EF 94 0012 214 : CLRB CONFLICT
FFE5' 30 0018 215 : BSBW COND1
0000010E'EF 95 001B 216 : TSTB EFLAG
03 13 0021 217 : BEQL 10$
00BD 31 0023 218 : BRW COND1_CU
0026 219 10$:
0000010F'EF 95 0026 220 : TSTB CONFLICT
03 13 002C 221 : BEQL 20$
00B2 31 002E 222 : BRW COND1_CU
0031 223 20$:
53 D4 0031 224 : CLRL R3
0033 225 COND2_LOOP:
0000010F'EF 94 0033 226 : CLRB CONFLICT
FFC4' 30 0039 227 : BSBW COND2
0000010E'EF 95 003C 228 : TSTB EFLAG
03 13 0042 229 : BEQL 10$
008F 31 0044 230 : BRW COND2_CU
0047 231 10$:
0000010F'EF 95 0047 232 : TSTB CONFLICT
03 13 004D 233 : BEQL 20$
0084 31 004F 234 : BRW COND2_CU
0052 235 20$:
54 D4 0052 236 : CLRL R4
0054 237 COND3_LOOP:
0000010F'EF 94 0054 238 : CLRB CONFLICT
FFA3' 30 005A 239 : BSBW COND3
0000010E'EF 95 005D 240 : TSTB EFLAG

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```
0000010F'EF 64 12 0063 241 BNEQ COND3_CU ; YES -- GO PERFORM CONDITION 3 CLEANUP
5C 95 0065 242 TSTB CONFLICT ; WAS THERE A CONDITION TABLE CONFLICT ?
55 D4 006B 243 BNEQ COND3_CU ; YES -- SKIP THIS ELEMENT IN CONDIT 3 TABLE
006D 244 CLRL R5 ; POINT TO FIRST ELEMENT IN CONDITION 4 TAB
006F 245 COND4_LOOP:
0000010F'EF 94 006F 246 CLRBL CONFLICT ; INDICATE NO CONDITION TABLE CONFLICT
FF88' 30 0075 247 BSBW COND4 ; EXECUTE CONDITION 4 ROUTINE
0000010E'EF 95 0078 248 TSTB EFLAG ; IS AN ERROR BEING PROCESSED ?
3C 12 007E 249 BNEQ COND4_CU ; YES -- GO PERFORM CONDITION 4 CLEANUP
0000010F'EF 95 0080 250 TSTB CONFLICT ; WAS THERE A CONDITION TABLE CONFLICT ?
34 12 0086 251 BNEQ COND4_CU ; YES -- SKIP THIS ELEMENT IN CONDIT 4 TABLE
56 D4 0088 252 CLRL R6 ; POINT TO FIRST ELEMENT IN CONDITION 5 TAB
008A 253 COND5_LOOP:
0000010F'EF 94 008A 254 CLRBL CONFLICT ; INDICATE NO CONDITION TABLE CONFLICT
FF6D' 30 0090 255 BSBW COND5 ; EXECUTE CONDITION 5 ROUTINE
0000010E'EF 95 0093 256 TSTB EFLAG ; IS AN ERROR BEING PROCESSED ?
14 12 0099 257 BNEQ COND5_CU ; YES -- GO PERFORM CONDITION 5 CLEANUP
0000010F'EF 95 009B 258 TSTB CONFLICT ; WAS THERE A CONDITION TABLE CONFLICT ?
0C 12 00A1 259 BNEQ COND5_CU ; YES -- SKIP THIS ELEMENT IN CONDIT 5 TABLE
FF5A' 30 00A3 260 BSBW VERIFY ; ISSUE SYSTEM SERVICE AND VERIFY IT
FF57' 30 00A6 261 BSBW VFY_CLEANUP ; PERFORM VERIFY CLEANUP
0000003C'EF B6 00A9 262 INCW TESTNUM ; GET NEXT TEST CASE NUMBER
00AF 263 COND5_CU:
FF4E' 30 00AF 264 BSBW COND5_CLEANUP ; PERFORM CONDITION 5 CLEANUP
FFCE 56 01 00000000'EF 9D 00B2 265 ACBB COND5_H,#1,R6,COND5_LOOP ; LOOP THRU CONDITION 5 TABLE
00BC 266 COND4_CU:
FF41' 30 00BC 267 BSBW COND4_CLEANUP ; PERFORM CONDITION 4 CLEANUP
FFA6 55 01 00000000'EF 9D 00BF 268 ACBB COND4_H,#1,R5,COND4_LOOP ; LOOP THRU CONDITION 4 TABLE
00C9 269 COND3_CU:
FF34' 30 00C9 270 BSBW COND3_CLEANUP ; PERFORM CONDITION 3 CLEANUP
FF7E 54 01 00000000'EF 9D 00CC 271 ACBB COND3_H,#1,R4,COND3_LOOP ; LOOP THRU CONDITION 3 TABLE
00D6 272 COND2_CU:
FF27' 30 00D6 273 BSBW COND2_CLEANUP ; PERFORM CONDITION 2 CLEANUP
FF50 53 01 00000000'EF 9D 00D9 274 ACBB COND2_H,#1,R3,COND2_LOOP ; LOOP THRU CONDITION 2 TABLE
00E3 275 COND1_CU:
FF1A' 30 00E3 276 BSBW COND1_CLEANUP ; PERFORM CONDITION 1 CLEANUP
FF22 52 01 00000000'EF 9D 00E6 277 ACBB COND1_H,#1,R2,COND1_LOOP ; LOOP THRU CONDITION 1 TABLE
00F0 278 TM_CU:
FF0D' 30 00F0 279 BSBW TM_CLEANUP ; PERFORM TEST MODULE CLEANUP
00000042'EF 01 1C 01 F0 00F3 280 INSV #1,#STSV_INHIB_MSG,#1,MOD_MSG_CODE
00FC 281 ; INHIBIT PRINTING
00FC 282 $EXIT_S MOD_MSG_CODE ; EXIT TO OPERATING SYSTEM WITH MSG CODE
```



```
0109 284 .SBTTL SUBROUTINES
0109 285 WRITE_MSG2::
0109 286 :++
0109 287 :*****
0109 288 :
0109 289 :
0109 290 :   WRITE MSG2 SUBROUTINE.  THIS ROUTINE FORMATS (USING FAO)
0109 291 :   AND PRINTS (USING PUTMSG MACRO) INFORMATION ABOUT THE
0109 292 :   CURRENT ELEMENT FOR A PARTICULAR CONDITION TABLE.
0109 293 :
0109 294 :   INPUTS:
0109 295 :       MSG_A:      A LONGWORD FIELD CONTAINING
0109 296 :                   THE ADDRESS OF A COUNTED
0109 297 :                   STRING FOR THE TITLE OF THIS
0109 298 :                   CONDITION.
0109 299 :
0109 300 :       MSG_B:      A LONGWORD FIELD CONTAINING
0109 301 :                   THE ADDRESS OF A COUNTED
0109 302 :                   STRING FOR THE CURRENT TEXT
0109 303 :                   ELEMENT FOR THIS CONDITION.
0109 304 :
0109 305 :       MSG_CTXT:   A BYTE FIELD CONTAINING THE
0109 306 :                   CONTEXT FOR THIS CONDITION,
0109 307 :                   AS DEFINED IN ITS CONDITION
0109 308 :                   TABLE.
0109 309 :
0109 310 :       MSG_DATA1:  A LONGWORD FIELD CONTAINING
0109 311 :                   THE ADDRESS OF THE CURRENT
0109 312 :                   DATA ELEMENT FOR THIS CONDITION
0109 313 :                   (ONLY FOR CONDITIONS WHICH
0109 314 :                   ARE SYSTEM SERVICE ARGUMENTS).
0109 315 :
0109 316 :   OUTPUTS:
0109 317 :       CONDITION MESSAGE IS PRINTED.
0109 318 :
0109 319 :*****
0109 320 :--
0109 321 :
0109 322 :   CMPB    MSG_CTXT,#NOTARG      : IS THIS CONDITION A S.S. ARGUMENT ?
0109 323 :   BNEQU   10$-                  : YES -- CONTINUE
0109 324 :   $FAO_S  MSG2_CND_CTL1,FAO_LEN,FAO_DESC,MSG_A,MSG_B
0109 325 :   : NO -- SIMPLY FORMAT TEXT
0109 326 :   BRW     WRITE_MSG2X           : ... WRITE MSG AND EXIT
0109 327 :   10$:
0109 328 :   CMPB    MSG_CTXT,#DESC        : IS THIS A STRING DESCRIPTOR ARGUMENT ?
0109 329 :   BNEQU   20$-                  : NO -- CONTINUE
0109 330 :   MOVL    MSG_DATA1,MSG_C       : YES -- GIVE DESCRIPTOR ADDRESS TO FAO
0109 331 :   $FAO_S  MSG2_CND_CTL2,FAO_LEN,FAO_DESC,MSG_A,MSG_B,MSG_C
0109 332 :   : FORMAT STRING ARGUMENT
0109 333 :   BRW     WRITE_MSG2X           : ... WRITE MSG AND EXIT
0109 334 :   20$:
0109 335 :   MOVL    MSG_DATA1,MSG_E       : GET DATA ADDRESS READY FOR FAO
0109 336 :   CMPB    MSG_CTXT,#QUAD        : DOES THIS ARGUMENT HAVE QUAD CONTEXT ?
0109 337 :   BNEQU   30$-                  : NO -- GO PROCESS ALL OTHER CONTEXTS
0109 338 :   MOVZBL  #2,MSG_C              : YES -- INDICATE 2 DATA ITEMS TO FORMAT
0109 339 :   MOVZBL  #9,MSG_D              : ... EACH 8 BYTES LONG + A BLANK
0109 340 :   ADDL3   #4,MSG_E,MSG_F        : COMPUTE ADDR OF 2ND ITEM FOR FAO
```

00'8F	000000DC'EF	91	0109	322	
	28	12	0111	323	
			0113	324	
	00CE	31	0138	325	
			0138	326	
00'8F	000000DC'EF	91	0138	327	10\$:
	39	12	0143	328	
000000E9'EF	000000DD'EF	D0	0145	329	
			0150	330	
			017B	331	
	008B	31	017B	332	
			017E	333	20\$:
000000F1'EF	000000DD'EF	D0	017E	334	
00'8F	000000DC'EF	91	0189	335	
	1C	12	0191	336	
	000000E9'EF	02	9A	0193	
	000000ED'EF	09	9A	019A	
000000F5'EF	000000F1'EF	04	C1	01A1	

SUCCESS
V04-000

SATS SYSTEM SERVICE TESTS
SUBROUTINES

COMMON (SUCC 16-SEP-1984 00:44:29 VAX/VMS Macro V04-00
5-SEP-1984 04:34:56 [UETPSY.SRC]SUCCESSCOMMON.MAR;1

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1D 11 01AD 341 BRB 40$ ; ... AND GO FORMAT MSG
      01AF 342 30$:
000000E9'EF 01 9A 01AF 343 MOVZBL #1,MSG_C ; INDICATE JUST 1 DATA ITEM TO FORMAT
000000ED'EF 000000DC'EF 9A 01B6 344 MOVZBL MSG_CTXT,MSG_D ; GET CONTEXT READY FOR FAO
000000ED'EF 000000ED'EF C0 01C1 345 ADDL2 MSG_D,MSG_D ; ... DOUBLE IT FOR LENGTH OF PRINTABLE DATA
      01CC 346 40$:
      01CC 347 $FAO_S MSG2_CND,CTL3,FAO_LEN,FAO_DESC,MSG_A, -
      0209 348 MSG_B,MSG_C,MSG_D,@MSG_E,@MSG_F
      0209 349 ; FORMAT NON-STRING ARGUMENT MSG
01F1 30 0209 350 WRITE_MSG2X:
      05 020C 351 BSBW OUTPUT_MSG ; WRITE FORMATTED CONDITION MSG
      352 RSB ; ... AND RETURN TO CALLER
```



```

020D 354 WRITE_MSG3:
020D 355 :
020D 356 :++
020D 357 :*****
020D 358 :*
020D 359 :* WRITE_MSG3 SUBROUTINE. THIS ROUTINE FORMATS AND
020D 360 :* PRINTS A GENERAL ERROR MSG. IT IS CALLED BY CODE
020D 361 :* GENERATED IN THE EXPANSION OF THE ERR_EXIT MACRO.
020D 362 :*
020D 363 :* INPUTS:
020D 364 :* TESTNUM: A WORD FIELD CONTAINING THE
020D 365 :* MSG_A CURRENT TEST CASE NUMBER.
020D 366 :* A LONGWORD FIELD CONTAINING
020D 367 :* THE ADDRESS OF A QUADWORD
020D 368 :* STRING DESCRIPTOR WHICH HAS
020D 369 :* TEXT DESCRIBING THE CURRENT
020D 370 :* ERROR.
020D 371 :*
020D 372 :* OUTPUTS:
020D 373 :* ERROR MSG FORMATTED AND PRINTED.
020D 374 :*
020D 375 :*****
020D 376 :--
020D 377 :
020D 378 $FAO_S MSG3_ERR_CTL,FAO_LEN,FAO_DESC,TESTNUM,MSG_A
0232 379 ; FORMAT GENERAL ERROR MSG
01C8 30 0232 380 ; AND WRITE IT
05 0235 381 ; RETURN TO CALLER
RSB

```



```
0236 383 WRITE_MSG4:
0236 384 :
0236 385 :++
0236 386 :*****
0236 387 :*
0236 388 :* WRITE_MSG4 SUBROUTINE. THIS ROUTINE FORMATS AND
0236 389 :* PRINTS MESSAGES CONTAINING EXPECTED AND RECEIVED
0236 390 :* VALUES FOR A DATA ITEM DISCOVERED TO BE IN ERROR
0236 391 :* BY THE VERIFY SUBROUTINE. A MESSAGE CONTAINING
0236 392 :* THE APPROXIMATE VALUE OF PC AT THE TIME OF ERROR
0236 393 :* IS ALSO FORMATTED AND PRINTED.
0236 394 :*
0236 395 :* INPUTS:
0236 396 :* MSG_CTXT: A BYTE FIELD CONTAINING THE
0236 397 :* CONTEXT FOR THE DATA ITEM
0236 398 :* IN ERROR.
0236 399 :*
0236 400 :* EXPV: A QUADWORD FIELD CONTAINING
0236 401 :* THE EXPECTED VALUE FOR THE
0236 402 :* DATA ITEM IN ERROR.
0236 403 :*
0236 404 :* RECV: A QUADWORD FIELD CONTAINING
0236 405 :* THE RECEIVED VALUE FOR THE
0236 406 :* DATA ITEM IN ERROR.
0236 407 :*
0236 408 :* PCV: A LONGWORD FIELD CONTAINING
0236 409 :* THE VALUE OF PC AT OR SOON
0236 410 :* AFTER THE ERROR.
0236 411 :*
0236 412 :* OUTPUTS:
0236 413 :* EXPECTED/RECEIVED/PC MESSAGES FORMATTED AND PRINTED.
0236 414 :*
0236 415 :*****
0236 416 :--
0236 417 :
0236 418 MOVAL EXP,MSG_A ; READY "EXPECTED" TEXT FOR FAO
0241 419 MOVAL EXPV,MSG_D ; GET ADDR OF EXPECTED VALUE READY FOR FAO
024C 420 CMPB MSG_CTXT,#DESC ; IS FAILING DATA ITEM A STRING DESCRIPTOR ?
0254 421 BNEQU 10$ ; NO -- CONTINUE
0256 422 BSBW WRITE_MSG4_1 ; YES -- FORMAT & WRITE EXPECTED STRING
0259 423 MOVAL REC,MSG_A ; READY "RECEIVED" TEXT FOR FAO
0264 424 MOVAL RECV,MSG_D ; GET ADDR OF RECEIVED VALUE READY FOR FAO
026F 425 BSBW WRITE_MSG4_1 ; FORMAT & WRITE RECEIVED STRING
0272 426 BRB 40$ ; GO DO PC MESSAGE
0274 427 10$:
0274 428 CMPB MSG_CTXT,#QUAD ; DOES FAILING DATA ITEM HAVE QUAD CONTEXT ?
027C 429 BNEQU 20$ ; NO -- HANDLE ALL OTHER CONTEXTS
027E 430 MOVZBL #2,MSG_B ; YES -- INDICATE 2 DATA ITEMS TO FAO
0285 431 MOVZBL #9,MSG_C ; ... EACH ONE 8 BYTES LONG + A BLANK
028C 432 ADDL3 #4,MSG_D,MSG_E ; GIVE ADDRESS OF 2ND ITEM TO FAO
0298 433 BRB 30$ ; ... AND GO FORMAT IT
029A 434 20$:
029A 435 MOVZBL #1,MSG_B ; INDICATE JUST 1 DATA ITEM TO FAO
02A1 436 MOVZBL MSG_CTXT,MSG_C ; GET CONTEXT READY FOR FAO
02AC 437 ADDL2 MSG_C,MSG_C ; ... DOUBLE CONTEXT TO GET PRINTABLE LENGTH
02B7 438 30$:
02B7 439 BSBW WRITE_MSG4_2 ; FORMAT & PRINT EXPECTED VALUE OF DATA
```

```
000000E1'EF 000000B9'EF DE 0236 418
000000ED'EF 000000F9'EF DE 0241 419
00'8F 000000DC'EF 91 024C 420
1E 12 0254 421
00AE 30 0256 422
000000E1'EF 000000C2'EF DE 0259 423
000000ED'EF 00000101'EF DE 0264 424
0095 30 026F 425
6B 11 0272 426
00'8F 000000DC'EF 91 0274 427
1C 12 0274 428
000000E5'EF 02 9A 027E 430
000000E9'EF 09 9A 0285 431
000000F1'EF 000000ED'EF 04 C1 028C 432
1D 11 0298 433
000000E5'EF 01 9A 029A 434
000000E9'EF 000000DC'EF 9A 02A1 435
000000E9'EF 000000E9'EF C0 02AC 436
0076 30 02B7 437
0076 30 02B7 438
0076 30 02B7 439
```


SUCCOMMON
V04-000

SATS SYSTEM SERVICE TESTS
SUBROUTINES

D 6
COMMON (SUCC 16-SEP-1984 00:44:29 VAX/VMS Macro V04-00 Page 12
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```
000000E1'EF 000000C2'EF DE 02BA 440 MOVAL REC,MSG_A ; GIVE ADDRESS OF 'RECEIVED' TEXT TO FAO
000000ED'EF 00000101'EF DE 02C5 441 MOVAL RECV,MSG_D ; GIVE ADDR OF RECEIVED VALUE TO FAO
000000F1'EF 000000ED'EF 04 C1 02D0 442 ADDL3 #4,MSG_D,MSG_E ; GIVE ADDR OF 2ND HALF OF QUAD ITEM TO FAO
0051 30 02DC 443 BSBW WRITE_MSG4_2 ; FORMAT & PRINT RECEIVED VALUE OF DATA
000000E1'EF 000000CB'EF DE 02DF 444 40$: MOVAL APC,MSG_A ; READY 'APPROXIMATE PC' TEXT FOR FAO
000000E5'EF 01 9A 02EA 446 MOVZBL #1,MSG_B ; INDICATE JUST 1 DATA ITEM TO FAO
000000E9'EF 08 9A 02F1 447 MOVZBL #8,MSG_C ; ... USING 8 PRINTABLE BYTES
000000ED'EF 00000109'EF DE 02F8 448 MOVAL PCV,MSG_D ; GIVE ADDRESS OF PC VALUE TO FAO
002A 30 0303 449 BSBW WRITE_MSG4_2 ; FORMAT & PRINT PC VALUE
05 0306 450 WRITE_MSG4X: ; RETURN TO CALLER
0307 451 RSB
0307 452 WRITE_MSG4_1:
032C 453 $FAO_S MSG4_ERR_CTL1,FAO_LEN,FAO_DESC,MSG_A,MSG_D
00CE 30 032C 454 ; FORMAT A STRING
05 032F 455 BSBW OUTPUT_MSG ; ... AND PRINT IT
0330 456 RSB ; RETURN TO CALLER
0330 457 WRITE_MSG4_2:
0330 458 $FAO_S MSG4_ERR_CTL2,FAO_LEN,FAO_DESC,MSG_A, -
0330 459 MSG_B,MSG_C,@MSG_D,@MSG_E
0093 30 0367 460 ; FORMAT A NON-STRING DATA ITEM
05 0367 461 BSBW OUTPUT_MSG ; ... AND PRINT IT
036A 462 RSB ; RETURN TO CALLER
```

UE
V04

4B

3B

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2E

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```
00000101'EF 000000F9'EF 54 D1 036B 464 COMP_SC::
13 036B 465 Cmpl EXPV,RECV ; IS STATUS CODE THE ONE WE EXPECTED ?
0376 466 BEQLU COMP_SCX ; YES -- GO RETURN
0378 467 ERR_EXIT LONG -
0378 468 <UNEXPECTED STATUS CODE FROM NON-SUBJECT SYSTEM SERVICE>,,PCV
03CC 469 ; NO -- ISSUE ERR_EXIT WITH PCV PARAMETER
03CC 470 COMP_SCX:
05 03CC 471 RSB ; RETURN TO CALLER (SS_CHECK MACRO)
03CD 472 :
03CD 473 :
03CD 474 PROCESS_ERR::
0000010E'EF 01 90 03CD 475 MOVW #1,EFLAG ; INDICATE AN ERROR HAS OCCURRED
007E 30 03D4 476 BSBW HALT_TC ; HALT FURTHER EXECUTION OF TEST CASES
0000004A'EF 00000019'EF DE 03D7 477 MOVAL TEST_MOD_FAIL,TMD_ADDR ; INDICATE FAILED IN END MSG
00000042'EF 03 00 02 FO 03E2 478 INSV #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
FE1F 30 03EB 479 BSBW WRITE_MSG3 ; FORMAT & WRITE ERROR MSG
FE45 30 03EE 480 BSBW WRITE_MSG4 ; WRITE EXP/REC/PC MSGS
0000010D'EF 95 03F1 481 TSTB CFLAG ; HAVE CONDITIONS ALREADY BEEN PRINTED ?
03 12 03F7 482 BNEQ PROCESS_ERRX ; YES -- JUST GO RETURN
FC04' 30 03F9 483 BSBW FORM_CONDS ; NO -- PRINT THEM BEFORE RETURNING
05 03FC 484 PROCESS_ERRX:
03FC 485 RSB ; ... AND RETURN TO CALLER (ERR_EXIT MACRO)
03FD 486 OUTPUT_MSG::
03FD 487 :
03FD 488 : PRINT A MESSAGE FORMATTED BY FAO AND RETURN TO CALLER
03FD 489 :
00000052'EF 0000004E'EF B0 03FD 490 MOVW FAO_LEN,FAO_DESC ; SET UP ACTUAL LENGTH IN MSG BUFFER
0408 491 PUTMSG <#UETPS TEXT,#1,#FAO_DESC> ; PRINT THE MSG
00000052'EF 0082 8F B0 041D 492 MOVW #BUFL,FAO_DESC ; ... AND RESTORE BUFFER TO MAX LENGTH
05 0426 493 RSB
0427 494 SAVE_REGS::
0427 495 :
0427 496 : SAVE CONTENTS OF REGS R2 THROUGH R6 FOR USE BY CHMRTN
0427 497 :
51 00000000'EF DE 0427 498 MOVAL REG_SAVE_AREA,R1 ; INITIALIZE R1 TO BEG OF AREA
81 52 DO 042E 499 MOVL R2,(R1)+ ; SAVE R2
81 53 DO 0431 500 MOVL R3,(R1)+ ; SAVE R3
81 54 DO 0434 501 MOVL R4,(R1)+ ; SAVE R4
81 55 DO 0437 502 MOVL R5,(R1)+ ; SAVE R5
81 56 DO 043A 503 MOVL R6,(R1)+ ; SAVE R6
05 043D 504 RSB ; RETURN TO CALLER
043E 505 REST_REGS::
043E 506 :
043E 507 : RESTORE REGS R2 THROUGH R6 ... USED IN CHMRTN AND IN MODE MACRO
043E 508 :
51 00000000'EF DE 043E 509 MOVAL REG_SAVE_AREA,R1 ; INITIALIZE R1 TO BEG OF AREA
52 81 DO 0445 510 MOVL (R1)+,R2 ; RESTORE R2
53 81 DO 0448 511 MOVL (R1)+,R3 ; RESTORE R3
54 81 DO 044B 512 MOVL (R1)+,R4 ; RESTORE R4
55 81 DO 044E 513 MOVL (R1)+,R5 ; RESTORE R5
56 81 DO 0451 514 MOVL (R1)+,R6 ; RESTORE R6
05 0454 515 RSB ; RETURN TO CALLER
```



```
00000000'EF 52 90 0455 517 HALT_TC:
00000000'EF 53 90 0455 518 :
00000000'EF 54 90 0455 519 :      HALT FURTHER EXECUTION OF TEST CASES BY STORING CURRENT
00000000'EF 55 90 0455 520 :      INDEX REGISTER VALUES INTO TABLE SIZE FIELDS FOR ALL
00000000'EF 56 90 0455 521 :      CONDITIONS.
0455 522 :
0455 523 :      MOVB R2,COND1_H : ALTER END OF COND 1 TABLE TO CURR ELEMENT
0455 524 :      MOVB R3,COND2_H : ALTER END OF COND 2 TABLE TO CURR ELEMENT
0455 525 :      MOVB R4,COND3_H : ALTER END OF COND 3 TABLE TO CURR ELEMENT
0455 526 :      MOVB R5,COND4_H : ALTER END OF COND 4 TABLE TO CURR ELEMENT
0455 527 :      MOVB R6,COND5_H : ALTER END OF COND 5 TABLE TO CURR ELEMENT
0455 528 :      RSB : RETURN TO CALLER
0479 529 MOD_MSG_PRINT::
0479 530 :
0479 531 : *****
0479 532 : *
0479 533 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES
0479 534 : * (USING THE PUTMSG MACRO).
0479 535 : *
0479 536 : *****
0479 537 :
0479 538 : PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR>
0494 539 : PRINT MSG
0494 540 : ... AND RETURN TO CALLER
0495 541 : RSB
0495 542 CHMRTN::
0495 543 : *****
0495 544 : *
0495 545 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
0495 546 : * A CMKRNL OR CMEXEC SYSTEM SERVICE IS ISSUED
0495 547 : * BY THE MODE MACRO ('TO' OPTION). IT MERELY RESTORES
0495 548 : * REGISTERS R2 THROUGH R6 AND DOES A JUMP INDIRECT
0495 549 : * ON A FIELD SET UP BY MODE. IT HAS THE EFFECT
0495 550 : * OF RETURNING TO THE END OF THE MODE MACRO EXPANSION.
0495 551 : *
0495 552 : *****
0495 553 :
0495 554 : .WORD 0 : ENTRY MASK
0497 555 : BSBW REST_REGS : RESTORE REGS R2-R6
049A 556 : JMP @CHM_CONT : RETURN TO MODE MACRO IN NEW MODE
04A0 557 :
04A0 558 : * RET INSTRUCTION WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
04A0 559 :
04A0 560 : .END SUCCCOMMON
```

```
0000 FFA4 30
0000003E'FF 17
```


SUCCESS
Symbol table

SATS SYSTEM SERVICE TESTS

G 6
COMMON (SUCC 16-SEP-1984 00:44:29 VAX/VMS Macro V04-00
5-SEP-1984 04:34:56 [UETPSY.SRC]SUCCOMMON.MAR;1

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(1)

====
====CHARS
====STRINGS
SST1
SST2
APC
BUFFL
CFLAG
CHMRTN
CHM_CONT
CMP_C_SAV
COMP_SC
COMP_SCX
COND1
COND1_CLEANUP
COND1_CU
COND1_H
COND1_LOOP
COND2
COND2_CLEANUP
COND2_CU
COND2_H
COND2_LOOP
COND3
COND3_CLEANUP
COND3_CU
COND3_H
COND3_LOOP
COND4
COND4_CLEANUP
COND4_CU
COND4_H
COND4_LOOP
COND5
COND5_CLEANUP
COND5_CU
COND5_H
COND5_LOOP
CONFLICT
DESC
EFLAG
ERROR
EXP
EXPV
FAO_DESC
FAO_LEN
FORM_CONDS
HALT_TC
INFO
LIB\$SIGNAL
LONG
MOD_MSG_CODE
MOD_MSG_PRINT
MSG2_CND_CTL1
MSG2_CND_CTL2
MSG2_CND_CTL3
MSG3_ERR_CTL

= 0000037A R 04
= 00000036
= 00000001
= 00000004
= 00000008
000000CB R 02
= 00000082
0000010D RG 03
00000495 RG 04
0000003E RG 03
= 0000000C G
0000036B RG 04
000003CC R 04
***** X 04
***** X 04
000000E3 R 04
***** X 04
00000012 R 04
***** X 04
***** X 04
000000D6 R 04
***** X 04
00000033 R 04
***** X 04
***** X 04
000000C9 R 04
***** X 04
00000054 R 04
***** X 04
***** X 04
000000BC R 04
***** X 04
0000006F R 04
***** X 04
***** X 04
000000AF R 04
***** X 04
0000008A R 04
0000010F RG 03
***** X 04
0000010E RG 03
= 00000002
000000B9 R 02
000000F9 RG 03
00000052 RG 03
0000004E RG 03
***** X 04
00000455 R 04
= 00000003
***** X 04
***** X 04
00000042 RG 03
00000479 RG 04
00000020 R 02
00000035 R 02
00000058 R 02
***** X 04

MSG4_ERR_CTL1
MSG4_ERR_CTL2
MSG_A
MSG_B
MSG_C
MSG_CTXT
MSG_D
MSG_DATA1
MSG_E
MSG_F
NOTARG
ONES
OUTPUT_MSG
PCV
PROCESS_ERR
PROCESS_ERRX
QUAD
RO_THRU_SP
REC
RECV
REG_SAVE_AREA
REST_REGS
SAVE_REGS
SEVERE
SHRSK_SHRDEF
SHRS_TEXT
STSSV_INHIB_MSG
SUCCESS
SUCCOMMON
SYS\$EXIT
SYS\$FAO
TESTNUM
TEST_MOD_BEG
TEST_MOD_FAIL
TEST_MOD_NAME
TEST_MOD_SUCC
TMD_ADDR
TMN_ADDR
TM_CLEANUP
TM_CU
TM_SETUP
UETPS_SATSMS
UETPS_TEXT
VERIFY
Vfy_CLEANUP
WARNING
WRITE_MSG2
WRITE_MSG2X
WRITE_MSG3
WRITE_MSG4
WRITE_MSG4X
WRITE_MSG4_1
WRITE_MSG4_2

0000007F R 02
0000009A R 02
000000E1 RG 03
000000E5 RG 03
000000E9 R 03
000000DC RG 03
000000ED R 03
000000DD RG 03
000000F1 R 03
000000F5 R 03
***** X 04
00000000 RG 02
000003FD RG 04
00000109 RG 03
000003CD RG 04
000003FC R 04
***** X 04
= 00007FFF G
000000C2 R 02
00000101 RG 03
00000000 R 03
0000043E RG 04
00000427 RG 04
= 00000004
= 00000001
= 00001130
= 0000001C
= 00000001 G
00000000 R 04
***** GX 04
***** X 04
0000003C RG 03
00000008 R 02
00000019 R 02
***** X 03
0000000E RG 02
0000004A RG 03
00000046 R 03
***** X 04
000000F0 R 04
***** X 04
= 007480D9
= 00741133
***** X 04
***** X 04
= 00000000
00000109 RG 04
00000209 R 04
0000020D R 04
00000236 R 04
00000306 R 04
00000307 R 04
00000330 R 04

UE
V0

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6E

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67
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72
6F
41

74
6C
41

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69
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! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
SABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
ROD_COMM	000000DA (218.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWD_COMM	00000110 (272.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SUCCESS	000004A0 (1184.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.09	00:00:00.30
Command processing	136	00:00:00.68	00:00:03.17
Pass 1	217	00:00:05.77	00:00:09.66
Symbol table sort	0	00:00:00.35	00:00:00.39
Pass 2	126	00:00:01.73	00:00:02.45
Symbol table output	14	00:00:00.09	00:00:00.09
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	534	00:00:08.76	00:00:16.11

The working set limit was 1350 pages.
29666 bytes (58 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 265 non-local and 14 local symbols.
560 source lines were read in Pass 1, producing 22 object records in Pass 2.
23 pages of virtual memory were used to define 18 macros.

! Macro library statistics !

Macro library name	Macros defined
\$255\$DUA28:[SHRLIB]UETP.MLB;1	7
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	8
TOTALS (all libraries)	15

363 GETS were required to define 15 macros.

There were no errors, warnings or information messages.

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

0426 AH-BT13A-SE
VAX/VMS V4.0

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