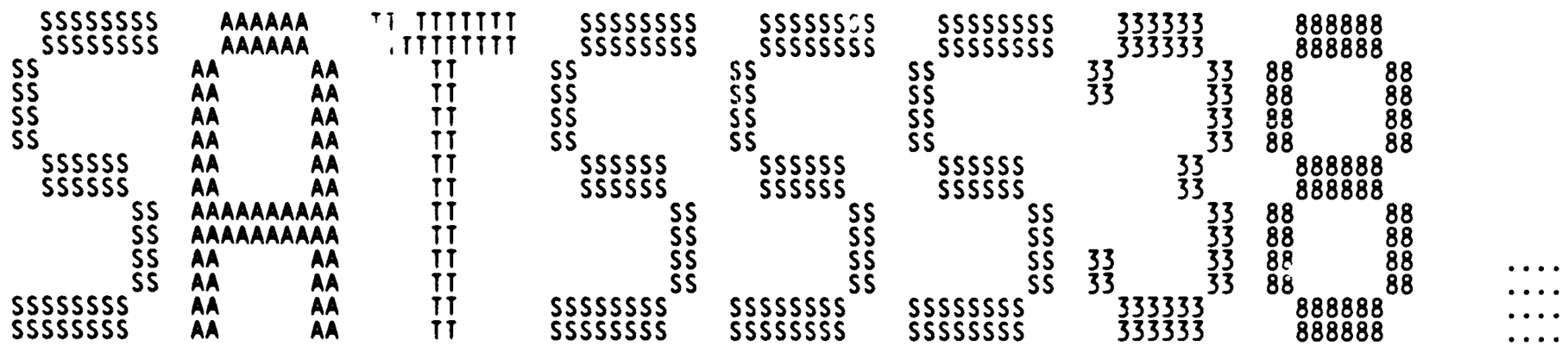
```
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP        SSSSSSSSSSS  YYY          YYY
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP        SSSSSSSSSSS  YYY          YYY
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP        SSSSSSSSSSS  YYY    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

FILEID**SATSSS38

SA
VO



```
0000     1          .TITLE  SATSSS38 SATS SYSTEM SERVICE TESTS  $RESUME (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  ;               THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED
0000    35  ; WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS38 TO TEST SUCCESSFUL
0000    36  ; OPERATION OF THE $RESUME SYSTEM SERVICE. THE SERVICE IS INVOKED
0000    37  ; UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
0000    38  ; SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE.  CORRECT
0000    39  ; OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY
0000    40  ; CHECKING FOR AN SS$_NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS
0000    41  ; AND EXPECTED FUNCTIONALITY PERFORMED.
0000    42  ;
0000    43  ; ENVIRONMENT:  USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000    44  ;               DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000    45  ;
0000    46  ; AUTHOR: THOMAS L. CAFARELLA,          CREATION DATE: AUG, 1977
0000    47  ;
0000    48  ; MODIFIED BY:
0000    49  ;
0000    50  ;               VERSION 1.5 : 25-MAY-79
0000    51  ; 01  LDJ  10/11/79     Fixed bug caused by DIB$K_LENGTH change ACG052.RNO mem
0000    52  ;
0000    53  ;--
```

```
0000     55          .SBTTL  DECLARATIONS
0000     56 ;
0000     57 ; INCLUDE FILES:
0000     58 ;
0000     59          $PRVDEF                         ; PRIVILEGE BIT DEFINITIONS
0000     60          $PHDDEF                         ; PROCESS HEADER OFFSETS
0000     61          $PQLDEF                         ; PROCESS QUOTA CODES
0000     62          $PCBDEF                         ; PCB LABELS
0000     63          $DIBDEF                         ; DEVICE INFO BLOCK OFFSETS
0000     64 ;
0000     65 ; MACROS:
0000     66 ;
0000     67 ;
0000     68 ; EQUATED SYMBOLS:
0000     69 ;
0000     70 ;
0000     71 ; OWN STORAGE:
0000     72 ;
```

```
00000000     74          .PSECT  RODATA,RD,NOWRT,NOEXE,LONG
0000         75 TEST_MOD_NAME:: STRING  C,<SATSSS38>     ; TEST MODULE NAME
0009         76 TEST_MOD_NAME_D: STRING I,<SATSSS38>     ; TEST MODULE NAME DESCRIPTOR
0019         77 MSG1_INP_CTL:   STRING  I,<  SSRES!4ZW: CONDITIONS:>
0039         78                                          ; FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
0039         79 M 33_ERR_CTL::  STRING  I,< *SSRES!4ZW: !AS>
0051         80                                          ; FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
0051         81 SUBJPRN:        STRING  I,<SATSSS38_CRE> ; PROC, CLUSTER & MBX NAME FOR CREATED PROC
0065         82 IMAGNAM:        STRING  I,<SYSTST$RES:SATSUT05.EXE> ; IMAGE NAME FOR CREATED PROC
0084         83 QUOTALIST:      $QUOTA  CPULM,0          ; INFINITE CPU
0089         84                 $QUOTA  BYTLM,512        ; BYTE LIMIT FOR BUFFERED I/O
008E         85                 $QUOTA  FILLM,2          ; OPEN FILE COUNT LIMIT
0093         86                 $QUOTA  PGFLQUOTA,10     ; PAGING FILE QUOTA
0098         87                 $QUOTA  PRCLM,2          ; SUBPROCESS QUOTA
009D         88                 $QUOTA  TQELM,3          ; TIMER QUEUE ENTRY QUOTA
00A2         89                 $QUOTA  LISTEND          ; DEFINES END OF LIST
```

```
                                                H 14
                                .PSECT  RWDATA,RD,WRT,NOEXE,LONG
00000000  0000    PRIVMASK:     .BLKQ   1               ; ADDR OF PRIVILEGE MASK (IN PHD)
00000008  0008    MBXCHAN:      .BLKL   1               ; CHAN. NO. FOR MAILBOX FOR CREATED PROCESS
          000C    MBXCHANINFO:                          ; CHANNEL INFO RETURNED BY GETCHN
00000074  000C                  .LONG   DIB$K_LENGTH
00000014' 0010                  .ADDRESS .+4
00000088  0014                  .BLKB   DIB$K_LENGTH
0000008C  0088    MBXUNIT:      .BLKL   1               ; SAVE AREA FOR MAILBOX UNIT NUMBER
          008C    MBXBUFF:      STRING  0,120           ; MAILBOX BUFFER FOR CREATED PROCESS
00000110  010C    DEST_PIDADR:  .BLKL   1               ; DESTINATION PID ADDR, WRITTEN BY S.S.
00000114  0110    ZEROPID:      .BLKL   1               ; PID OF ZEROES
00000000  0114    SELFPID:      .LONG   0               ; PID OF THIS PROCESS
0000011C  0118    CREPID:       .BLKL   1               ; PID OF CREATED PROCESS
00000120  011C    SUBJPID:      .BLKL   1               ; PID OF SUBJECT PROCESS (SELF OR OTHER)
```

```
                                                 ; 14
                     0120   106          .SBTTL  CONDITION TABLES
                     0120   107 ;
                     0120   108 ;        ***** CONDITION TABLES FOR RESUME SYSTEM SERVICE *****
                     0120   109 ;
                     0120   110          COND    1,NOTARG,<PID ADDRESS>,-
                     0120   111                    <NOT SPECIFIED>,-
                     0120   112                    <SPECIFIED, NON-ZERO>,-
                     0120   113                    <SPECIFIED, ZERO>,-
                     0120   114
00000000'            016B   115                      .ADDRESS    0
0000011C'            016F   116                      .ADDRESS    SUBJPID
00000110'            0173   117                      .ADDRESS    ZEROPID
                     0177   118 ;
                     0177   119          COND    2,NOTARG,<PROCESS NAME ADDRESS>,-
                     0177   120                    <SPECIFIED>,-
                     0177   121                    <NOT SPECIFIED>,-
                     0177   122
00000051'            01AD   123                      .ADDRESS    SUBJPRN
00000000'            01B1   124                      .ADDRESS    0
                     01B5   125 ;
                     01B5   126          COND    3,NOTARG,<PROCESS TYPE>,-
                     01B5   127                    <SELF>,-
                     01B5   128                    <SUBPROCESS>,-
                     01B5   129                    <DETACHED, DIFFERENT GROUP>,-
                     01B5   130                    <DETACHED, SAME GROUP, SAME MEMBER>,-
                     01B5   131                    <DETACHED, SAME GROUP, DIFFERENT MEMBER>,-
                     01B5   132
FFFFFFFF             024A   133                      .LONG       ^XFFFFFFFF ; PSEUDO-UIC
00000000             024E   134                      .LONG       0          ; PSEUDO-UIC
00000256             0252   135                      .BLKL       1          ; UIC
0000025A             0256   136                      .BLKL       1          ; UIC
0000025E             025A   137                      .BLKL       1          ; UIC
                     025E   138 ;
                     025E   139          COND    4,NULL
                     025F   140
                     025F   141          COND    5,NULL
                     0260   142
                00000000    143          .PSECT  SATSSS38,RD,WRT,EXE
```

```
                     0000   145          .SBTTL  TM_SETUP, TM_CLEANUP
                     0000   146 ;++
                     0000   147 ; FUNCTIONAL DESCRIPTION:
                     0000   148 ;
                     0000   149 ;               TM_SETUP AND TM_CLEANUP ARE CALLED TO PERFORM
                     0000   150 ; REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
                     0000   151 ; TEST MODULE EXECUTION.
                     0000   152 ;
                     0000   153 ; CALLING SEQUENCE:
                     0000   154 ;
                     0000   155 ;       BSBW TM_SETUP   BSBW TM_CLEANUP
                     0000   156 ;
                     0000   157 ; INPUT PARAMETERS:
                     0000   158 ;
                     0000   159 ;       NONE
                     0000   160 ;
                     0000   161 ; IMPLICIT INPUTS:
                     0000   162 ;
                     0000   163 ;       NONE
                     0000   164 ;
                     0000   165 ; OUTPUT PARAMETERS:
                     0000   166 ;
                     0000   167 ;       NONE
                     0000   168 ;
                     0000   169 ; IMPLICIT OUTPUTS:
                     0000   170 ;
                     0000   171 ;       TM_SETUP:  COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
                     0000   172 ;                  ALL PRIVILEGES ACQUIRED.
                     0000   173 ;
                     0000   174 ; COMPLETION CODES:
                     0000   175 ;
                     0000   176 ;       EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
                     0000   177 ;
                     0000   178 ; SIDE EFFECTS:
                     0000   179 ;
                     0000   180 ;       SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
                     0000   181 ;       (VIA RSB) IF ERROR ENCOUNTERED.
                     0000   182 ;
                     0000   183 ;--
                     0000   184
                     0000   185
                     0000   186
                     0000   187 TM_SETUP::
                 52  D4  0000   188          CLRL    R2                      ; INITIALIZE
                 53  D4  0002   189          CLRL    R3                      ; .. CONDITION
                 54  D4  0004   190          CLRL    R4                      ; .... TABLE
                 55  D4  0006   191          CLRL    R5                      ; ...... INDEX
                 56  D4  0008   192          CLRL    R6                      ; ........ REGISTERS
              FFF3'  30  000A   193          BSBW    MOD_MSG_PRINT           ; PRINT TEST MODULE BEGIN MSG
00000000'EF   00000000'EF  DE  000D   194    MOVAL   TEST_MOD_SUCC,TMD_ADDR  ; ASSUME END MSG WILL SHOW SUCCESS
   03   00   00000000'8F  F0  0018   195          INSV    #SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
             00000000'EF      0020
                              0025   196          MODE    TO,5$,KRNL              ; KERNEL MODE TO ACCESS PHD
        59   00000000'9F  D0  0048   197          MOVL    @#CTL$GL_PHD,R9         ; GET PROCESS HEADER ADDRESS
        00000000'EF   69  DE  004F   198          MOVAL   PHD$Q_PRIVMSK(R9),PRIVMASK ; GET PRIV MASK ADDRESS
                              0056   199          MODE    FROM,5$ ; BACK TO USER MODE
                              0057   200          PRIV    ADD,ALL                 ; GET ALL PRIVILEGES
```

```
                     0077   201          $SETPRN_S TEST_MOD_NAME_D       ; SET PROCESS NAME
                     0084   202          SS_CHECK  NORMAL                ; CHECK STATUS CODE RETURNED FROM SETPRN
                     00B2   203          $WAKE_S SELFPID                 ; GET MY PID
                     00C1   204          SS_CHECK NORMAL                 ; CHECK FOR NORMAL RETURN
                     00EF   205          $HIBER_S                        ; UNDO ABOVE WAKE
                     00F6   206          SS_CHECK NORMAL                 ; CHECK FOR NORMAL RETURN
                     0124   207 ;
                     0124   208 ; THE FOLLOWING CODE ESTABLISHES UIC'S IN THE CONDITION 3 TABLE
                     0124   209 ;
                     0124   210          MODE    TO,20$,KRNL             ; KERNEL MODE TO ACCESS PCB
      59  00000000'9F   D0   0147   211          MOVL    @#SCH$GL_CURPCB,R9      ; GET CURRENT PCB ADDRESS
          59  00BC C9   D0   014E   212          MOVL    PCB$L_UIC(R9),R9        ; PICK UP UIC FROM PCB
                     0153   213          MODE    FROM,20$                ; ... AND GET BACK TO USER MODE
                     0154   214 ;
                     0154   215 ; R9 NOW CONTAINS "MY" UIC
                     0154   216 ;
            5A   02  9A   0154   217          MOVZBL  #2,R10                  ; GET COND3 TABLE INDEX NUMBER INTO A REG
      59  00010000 8F   C1   0157   218          ADDL3   #^X10000,R9,COND3_E[R10] ; PUT DIFF GROUP UIC INTO 3RD TABLE ELT
        0000024A'EF4A
                     015E
            5A   D6   0164   219          INCL    R10                     ; POINT TO 4TH COND3 TABLE ELEMENT
  0000024A'EF4A   59   D0   0166   220          MOVL    R9,COND3_E[R10]         ; PUT MY UIC INTO TABLE
            5A   D6   016E   221          INCL    R10                     ; POINT TO 5TH COND3 TABLE ELEMENT
0000024A'EF4A   59   01   C1   0170   222          ADDL3   #1,R9,COND3_E[R10]      ; PUT DIFF MEMBER UIC INTO THE TABLE
                     0179   223          $CREMBX_S CHAN=MBXCHAN, LOGNAM=SUBJPRN, - ; GET MAILBOX FOR PROCESS
                     0179   224                    MAXMSG=#120, PROMSK=#0, BUFQUO=#240
                     019E   225          SS_CHECK NORMAL                 ; CHECK NORMAL COMPLETION
                     01CC   226          $GETCHN_S CHAN=MBXCHAN, -       ; GET CHAN INFO (UNIT NUMBER)
                     01     227                    PRIBUF=MBXCHANINFO
                     01E6   228          SS_CHECK NORMAL                 ; CHECK NORMAL COMPLETION
00000088'EF  00000020'EF   3C   0214   229          MOVZWL  MBXCHANINFO+8+DIB$W_UNIT,MBXUNIT ; SAVE MAILBOX UNIT NUMBER
                05   021F   230          RSB                             ; RETURN TO MAIN ROUTINE
                     0220   231 TM_CLEANUP::
                     0220   232          $DELMBX_S  MBXCHAN              ; DELETE TERMINATION MAILBOX
              FDCF'  30   022E   233          BSBW    MOD_MSG_PRINT           ; PRINT TEST MODULE END MSG
                05   0231   234          RSB                             ; RETURN TO MAIN ROUTINE
```

```
                        .SBTTL  CONDITION SUBROUTINES - SETUP AND CLEANUP
                ;++
                ; FUNCTIONAL DESCRIPTION:
                ;
                ;               CONDX AND CONDX_CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED
                ; BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW
                ; CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON
                ; ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE
                ; CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED
                ; UP, IF NECESSARY, IN THE CONDX_CLEANUP SUBROUTINE. THIS INCLUDES,
                ; ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO
                ; OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO
                ; VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE
                ; (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
                ;
                ; CALLING SEQUENCE:
                ;
                ;       BSBW CONDX   BSBW CONDX_CLEANUP
                ;         WHERE X = 1,2,3,4,5
                ;
                ; INPUT PARAMETERS:
                ;
                ;       CONFLICT = 0
                ;
                ; IMPLICIT INPUTS:
                ;
                ;       R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
                ;         FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
                ;
                ; OUTPUT PARAMETERS:
                ;
                ;       CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
                ;
                ; IMPLICIT OUTPUTS:
                ;
                ;       R2,3,4,5,6 PRESERVED
                ;
                ; COMPLETION CODES:
                ;
                ;       NONE
                ;
                ; SIDE EFFECTS:
                ;
                ;       NONE
                ;
                ;--


                COND1::
05              RSB                             ; RETURN TO MAIN ROUTINE
                COND1_CLEANUP::
05              RSB                             ; RETURN TO MAIN ROUTINE
                COND2::
05              RSB                             ; RETURN TO MAIN ROUTINE
                COND2_CLEANUP::
05              RSB                             ; RETURN TO MAIN ROUTINE
```

```
                        0236   293 COND3::
0000016B'EF42   0000011C'8F   D1  0236   294          CMPL    #SUBJPID,COND1_E[R2]    ; NON-ZERO PID SPECIFIED ?
                        20    13  0242   295          BEQLU   10$                     ; YES -- PROCESS IS "OTHER"
                000001AD'EF43   D5  0244   296          TSTL    COND2_E[R3]             ; IS PROCESS NAME SPECIFIED ?
                        07    13  024B   297          BEQL    5$                      ; NO -- SUBJECT PROCESS IS "SELF"
                     02   54   D1  024D   298          CMPL    R4,#2                   ; DOES CONDITION 3 SPECIFY DIFFERENT GROUP ?
                        20    13  0250   299          BEQL    20$                     ; YES -- PROCESS NAME FOR DIFF GROUP IS CONF
                        10    11  0252   300          BRB     10$                     ; NO -- MAKE SURE COND 3 SPECIFIES "OTHER"
                              0254   301 5$:
                              0254   302 ;
                              0254   303 ; PROCESS IS "SELF"
                              0254   304 ;
0000024A'EF44   00000000'EF   D1  0254   305          CMPL    ONES,COND3_E[R4]        ; DOES CONDITION 3 SPECIFY "SELF" ?
                        1B    13  0260   306          BEQLU   COND3X                  ; YES -- THEN ALL 3 CONDIT'NS ARE CONSISTENT
                        0E    11  0262   307          BRB     20$                     ; NO -- INDICATE CONFLICT & GET OUT
                              0264   308 10$:
                              0264   309 ;
                              0264   310 ; PROCESS IS "OTHER"
                              0264   311 ;
0000024A'EF44   00000000'EF   D1  0264   312          CMPL    ONES,COND3_E[R4]        ; DOES CONDITION 3 SPECIFY "SELF" ?
                        0B    12  0270   313          BNEQU   COND3X                  ; NO -- THEN ALL 3 CONDITIONS ARE CONSISTENT
                              0272   314 20$:
  00000000'EF   00000000'EF   90  0272   315          MOVB    ONES,CONFLICT           ; YES -- INDICATE CONFLICT
                              027D   316 COND3X:
                        05    027D   317          RSB                             ; RETURN TO MAIN ROUTINE
                              027E   318 COND3_CLEANUP::
                        05    027E   319          RSB                             ; RETURN TO MAIN ROUTINE
                              027F   320 COND4::
                        05    027F   321          RSB                             ; RETURN TO MAIN ROUTINE
                              0280   322 COND4_CLEANUP::
                        05    0280   323          PSB                             ; RETURN TO MAIN ROUTINE
                              0281   324 COND5::
                        05    0281   325          RSB                             ; RETURN TO MAIN ROUTINE
                              0282   326 COND5_CLEANUP::
                        05    0282   327          RSB                             ; RETURN TO MAIN ROUTINE
```

```
                     0283    329          .SBTTL  FORM_CONDS
                     0283    330 ;++
                     0283    331 ; FUNCTIONAL DESCRIPTION:
                     0283    332 ;
                     0283    333 ;               FORM_CONDS FORMATS AND PRINTS INFORMATION ABOUT
                     0283    334 ;  THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
                     0283    335 ;
                     0283    336 ; CALLING SEQUENCE:
                     0283    337 ;
                     0283    338 ;       BSBW FORM_CONDS
                     0283    339 ;
                     0283    340 ; INPUT PARAMETERS:
                     0283    341 ;
                     0283    342 ;       NONE
                     0283    343 ;
                     0283    344 ; IMPLICIT INPUTS:
                     0283    345 ;
                     0283    346 ;       R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
                     0283    347 ;         FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
                     0283    348 ;       FOR X = 1,2,3,4,5 :
                     0283    349 ;               CONDX_T - TITLE TEXT FOR CONDX TABLE
                     0283    350 ;               CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE
                     0283    351 ;               CONDX_C - CONTEXT OF THE CONDX TABLE
                     0283    352 ;               CONDX_E - DATA ELEMENTS OF THE CONDX TABLE
                     0283    353 ;
                     0283    354 ; OUTPUT PARAMETERS:
                     0283    355 ;
                     0283    356 ;       NONE
                     0283    357 ;
                     0283    358 ; IMPLICIT OUTPUTS:
                     0283    359 ;
                     0283    360 ;       NONE
                     0283    361 ;
                     0283    362 ; COMPLETION CODES:
                     0283    363 ;
                     0283    364 ;       NONE
                     0283    365 ;
                     0283    366 ; SIDE EFFECTS:
                     0283    367 ;
                     0283    368 ;       NONE
                     0283    369 ;
                     0283    370 ;--
                     0283    371
                     0283    372
                     0283    373
                     0283    374 FORM_CONDS::
                     0283    375         $FAO_S  MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM
                     02A2    376                                         ; FORMAT CONDITIONS HEADER MSG
                FD5B'  30    02A2    377         BSBW    OUTPUT_MSG      ; ... AND PRINT IT
              14   00  91    02A5    378         CMPB    #COND1_C,#NULL  ; IS CONDITION 1 NULL ?
                   03  12    02A8    379         BNEQU   10$             ; NO -- CONTINUE
                00BF   31    02AA    380         BRW     FORM_CONDSX     ; YES -- SUBROUTINE IS FINISHED
                           02AD    381 10$:
  00000000'EF   00000120'EF  DE    02AD    382         MOVAL   COND1_T,MSG_A           ; SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
00000000'EF   0000012D'EF42  D0    02B8    383         MOVL    COND1_TAB[R2],MSG_B     ; SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
        00000000'EF   00     90    02C4    384         MOVB    #CONDT_C,MSG_CTXT       ; SAVE CONDITION 1 CONTEXT FOR FAO
                              02CB    385         MOV_VAL COND1_C,CONDT_E[R2],MSG_DATA1 ; GIVE COND 1 DATA VALUE TO FAO
```

```
                     FD32'   0  02CB   386          BSBW    WRITE_MSG2                ; FORMAT AND WRITE CONDITION 1 MSG
                 14    00    1  02CE   387          CMPB    #COND2_C,#NULL            ; IS CONDITION 2 NULL ?
                       03   12  02D1   388          BNEQU   20$                       ; NO -- CONTINUE
                     0096   31  02D3   389          BRW     FORM_CONDSX               ; YES -- SUBROUTINE IS FINISHED
                            02D6   390 20$:
  00000000'EF   00000177'EF   DE  02D6   391          MOVAL   COND2_T,MSG_A             ; SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
00000000'EF   0000018D'EF43   D0  02E1   392          MOVL    COND2_TAB[R3],MSG_B       ; SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO
          00000000'EF    00   90  02ED   393          MOVB    #COND2_C,MSG_CTXT         ; SAVE CONDITION 2 CONTEXT FOR FAO
                            02F4   394          MOV_VAL COND2_C,COND2_E[R3],MSG_DATA1 ; GIVE COND 2 DATA VALUE TO FAO
                     FD09'  30  02F4   395          BSBW    WRITE_MSG2                ; FORMAT AND WRITE CONDITION 2 MSG
                 14    00   91  02F7   396          CMPB    #COND3_C,#NULL            ; IS CONDITION 3 NULL ?
                       03   12  02FA   397          BNEQU   30$                       ; NO -- CONTINUE
                     006D   31  02FC   398          BRW     FORM_CONDSX               ; YES -- SUBROUTINE IS FINISHED
                            02FF   399 30$:
  00000000'EF   000001B5'EF   DE  02FF   400          MOVAL   COND3_T,MSG_A             ; SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
00000000'EF   000001C3'EF44   D0  030A   401          MOVL    COND3_TAB[R4],MSG_B       ; SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO
          00000000'EF    00   90  0316   402          MOVB    #COND3_C,MSG_CTXT         ; SAVE CONDITION 3 CONTEXT FOR FAO
                            031D   403          MOV_VAL COND3_C,COND3_E[R4],MSG_DATA1 ; GIVE COND 3 DATA VALUE TO FAO
                     FCE0'  30  031D   404          BSBW    WRITE_MSG2                ; FORMAT AND WRITE CONDITION 3 MSG
                 14    14   91  0320   405          CMPB    #COND4_C,#NULL            ; IS CONDITION 4 NULL ?
                       47   13  0323   406          BEQLU   FORM_CONDSX               ; YES -- SUBROUTINE IS FINISHED
  00000000'EF   0000025E'EF   DE  0325   407          MOVAL   COND4_T,MSG_A             ; SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
00000000'EF   0000025E'EF45   D0  0330   408          MOVL    COND4_TAB[R5],MSG_B       ; SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO
          00000000'EF    14   90  033C   409          MOVB    #COND4_C,MSG_CTXT         ; SAVE CONDITION 4 CONTEXT FOR FAO
                            0343   410          MOV_VAL COND4_C,COND4_E[R5],MSG_DATA1 ; GIVE COND 4 DATA VALUE TO FAO
                     FCBA'  30  0343   411          BSBW    WRITE_MSG2                ; FORMAT AND WRITE CONDITION 4 MSG
                 14    14   91  0346   412          CMPB    #COND5_C,#NULL            ; IS CONDITION 5 NULL ?
                       21   13  0349   413          BEQLU   FORM_CONDSX               ; YES -- SUBROUTINE IS FINISHED
  00000000'EF   0000025F'EF   DE  034B   414          MOVAL   COND5_T,MSG_A             ; SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO
00000000'EF   0000025F'EF46   D0  0356   415          MOVL    COND5_TAB[R6],MSG_B       ; SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO
          00000000'EF    14   90  0362   416          MOVB    #COND5_C,MSG_CTXT         ; SAVE CONDITION 5 CONTEXT FOR FAO
                            0369   417          MOV_VAL COND5_C,COND5_E[R6],MSG_DATA1 ; GIVE COND 5 DATA VALUE TO FAO
                     FC94'  30  0369   418          BSBW    WRITE_MSG2                ; FORMAT AND WRITE CONDITION 5 MSG
                            036C   419 FORM_CONDSX:
                       05   05  036C   420          RSB                               ; RETURN TO CALLER
```

```
036D   422          .SBTTL  VERIFY
036D   423 ;++
036D   424 ; FUNCTIONAL DESCRIPTION:
036D   425 ;
036D   426 ;                VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION
036D   427 ; TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR
036D   428 ; COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS
036D   429 ; SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE
036D   430 ; ($RESUME). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED
036D   431 ; BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS
036D   432 ; AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF
036D   433 ; COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN
036D   434 ; ERR_EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY,
036D   435 ; THROUGH THE SS_CHECK MACRO); ERR_EXIT SETS EFLAG TO NON-ZERO,
036D   436 ; PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER.
036D   437 ; WHEN ERR_EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED,
036D   438 ; AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.
036D   439 ;
036D   440 ; CALLING SEQUENCE:
036D   441 ;
036D   442 ;       BSBW VERIFY
036D   443 ;
036D   444 ; INPUT PARAMETERS:
036D   445 ;
036D   446 ;       NONE
036D   447 ;
036D   448 ; IMPLICIT INPUTS:
036D   449 ;
036D   450 ;       R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
036D   451 ;         FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
036D   452 ;       FOR X = 1,2,3,4,5 :
036D   453 ;               CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
036D   454 ;                 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
036D   455 ;                 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
036D   456 ;                 FOR CONDX_E.
036D   457 ;
036D   458 ; OUTPUT PARAMETERS:
036D   459 ;
036D   460 ;       NONE
036D   461 ;
036D   462 ; IMPLICIT OUTPUTS:
036D   463 ;
036D   464 ;       VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS,
036D   465 ;       IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING
036D   466 ;       ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA
036D   467 ;       AN ERR_EXIT OR SS_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED
036D   468 ;       ERRORS.
036D   469 ;
036D   470 ; COMPLETION CODES:
036D   471 ;
036D   472 ;       EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
036D   473 ;
036D   474 ; SIDE EFFECTS:
036D   475 ;
036D   476 ;       SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
036D   477 ;       (VIA RSB) IF ERROR ENCOUNTERED.
036D   478 ;
```

```
                                                D 15
                                036D    479 ;--
                                036D    480
                                036D    481
                                036D    482
                                036D    483 VERIFY::
                00000000'EF   95 036D    484         TSTB    CFLAG                   ; SHOULD CONDITIONS BE PRINTED ?
                          03   13 0373    485         BEQL    5$                      ; NO -- CONTINUE
                        FF0B   30 0375    486         BSBW    FORM_CONDS              ; YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
                                0378    487 5$:
    0000011C'EF 00000114'EF   D0 0378    488         MOVL    SELFPID,SUBJPID         ; ASSUME THE SUBJECT PID IS SELF
                00000110'EF   D4 0383    489         CLRL    ZEROPID                 ; CLEAR ZERO PID
  0000024A'EF44 00000000'EF   D1 0389    490         CMPL    ONES,COND3_E[R4]        ; IS PROCESS FOR THIS TEST CASE SELF ?
                          03   12 0395    491         BNEQU   7$                      ; NO -- CONTINUE
                        0074   31 0397    492         BRW     10$                     ; YES -- DON'T CREATE A PROCESS
                                039A    493 7$:
                                039A    494         $CREPRC_S PIDADR=CREPID, PRCNAM=SUBJPRN, -
                                039A    495                   UIC=COND3_E[R4], IMAGE=IMAGNAM, -
                                039A    496                   MBXUNT=MBXUNIT, QUOTA=QUOTALIST
                                03D5    497                                           ; CREATE THE SUBJECT PROCESS
                                03D5    498         SS_CHECK NORMAL                   ; ... AND MAKE SURE IT CREATED OK
    0000011C'EF 00000118'EF   D0 0403    499         MOVL    CREPID,SUBJPID          ; MAKE THE SUBJCT PID = THE ONE JUST CREATED
                                040E    500 10$:
  0000010C'EF 0000016B'EF42   D0 040E    501         MOVL    COND1_E[R2],DEST_PIDADR ; GET PID ADDRESS OUT OF TABLE
          59 000001AD'EF43    D0 041A    502         MOVL    COND2_E[R3],R9          ; PRCNAM ADDR INTO REG FOR INDIRECT REF'RNCE
                                0422    503 ;
                                0422    504 ; ****** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE ******
                                0422    505 ;
                                0422    506         $RESUME_S PIDADR=@DEST_PIDADR, PRCNAM=(R9)
            00000000'8F   50 D1 0431    507         CMPL    R0,#SS$_NORMAL          ; CODE RECEIVED = CODE EXPECTED ?
                          61   13 0438    508         BEQLU   18$                     ; YES -- CONTINUE
  00000000'EF 00000000'8F   D0 043A    509         MOVL    #SS$_NORMAL,EXPV        ; NO -- LOAD UP EXPECTED AND ...
          00000000'EF   50 D0 0445    510         MOVL    R0,RECV                 ; ... RECEIVED VALUES  THEN EXIT
                                044C    511         ERR_EXIT LONG,<INCORRECT STATUS CODE RETURNED FROM RE_JME>
                                049B    512 18$:
                0000010C'EF   D5 049B    513         TSTL    DEST_PIDADR             ; PID RETURNED BY RESUME ?
                          68   13 04A1    514         BEQL    20$                     ; NO -- KEEP GOING
  0000010C'FF 0000011C'EF   D1 04A3    515         CMPL    SUBJPID,@DEST_PIDADR    ; YES -- IS IT THE CORRECT ONE ?
                          5B   13 04AE    516         BEQL    20$                     ; YES -- CONTINUE
  00000000'EF 0000011C'EF   D0 04B0    517         MOVL    SUBJPID,EXPV            ; NO --LOAD UP EXPECTED AND
  00000000'EF 0000010C'FF   D0 04BB    518         MOVL    @DEST_PIDADR,RECV       ; ... RECEIVED VALUES, THEN EXIT
                                04C6    519         ERR_EXIT LONG,<INCORRECT PID RETURNED BY RESUME>
                                050B    520 20$:
  0000011C'EF 00000118'EF   D1 050B    521         CMPL    CREPID,SUBJPID          ; WAS A PROCESS CREATED ?
                          3B   13 0516    522         BEQLU   30$                     ; YES -- GO WAIT FOR IT TO COMPLETE
                                0518    523         $SUSPND_S                       ; NO -- OFFSET SUBJECT RESUME WITH SUSPND
                                0523    524         SS_CHECK NORMAL                 ; CHECK FOR NORMAL RETURN
                          57   11 0551    525         BRB     VERIFYX                 ; ... AND GO EXIT
                                0553    526 30$:
                                0553    527         $QIOW_S CHAN=MBXCHAN, FUNC=#IO$_READVBLK, -
                                0553    528                 P1=MBXBUFF+8, P2=MBXBUFF
                                057C    529                                         ; WAIT FOR CREATED PROCESS TO SEND MAIL
                                057C    530         SS_CHECK NORMAL                 ; CHECK FOR NORMAL STATUS CODE
                                05AA    531 VERIFYX:
                             05 05AA    532         RSB                             ; RETURN TO CALLER
```

```
                                E 15
05AB    534          .SBTTL  VFY_CLEANUP
05AB    535 ;++
05AB    536 ; FUNCTIONAL DESCRIPTION:
05AB    537 ;
05AB    538 ;               VFY_CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE
05AB    539 ; EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY_CLEANUP MUST
05AB    540 ; ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN
05AB    541 ; ERROR IS FOUND). ALSO, VFY_CLEANUP MAY ISSUE SS_CHECK OR ERR_EXIT
05AB    542 ; ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED
05AB    543 ; IN THE EVENT THAT VFY_CLEANUP IS CALLED DURING ERROR PROCESSING,
05AB    544 ; WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
05AB    545 ; POSSIBLY DISCOVERING A SECOND ERROR.
05AB    546 ;
05AB    547 ; CALLING SEQUENCE:
05AB    548 ;
05AB    549 ;       BSBW VFY_CLEANUP
05AB    550 ;
05AB    551 ; INPUT PARAMETERS:
05AB    552 ;
05AB    553 ;       NONE
05AB    554 ;
05AB    555 ; IMPLICIT INPUTS:
05AB    556 ;
05AB    557 ;       R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
05AB    558 ;         FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
05AB    559 ;       FOR X = 1,2,3,4,5 :
05AB    560 ;               CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
05AB    561 ;                 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
05AB    562 ;                 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
05AB    563 ;                 FOR CONDX_E.
05AB    564 ;
05AB    565 ; OUTPUT PARAMETERS:
05AB    566 ;
05AB    567 ;       NONE
05AB    568 ;
05AB    569 ; IMPLICIT OUTPUTS:
05AB    570 ;
05AB    571 ;       NONE
05AB    572 ;
05AB    573 ; COMPLETION CODES:
05AB    574 ;
05AB    575 ;       EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
05AB    576 ;
05AB    577 ; SIDE EFFECTS:
05AB    578 ;
05AB    579 ;       SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
05AB    580 ;       (VIA RSB) IF ERROR ENCOUNTERED.
05AB    581 ;
05AB    582 ;--
05AB    583
05AB    584
05AB    585
05AB    586 VFY_CLEANUP::
0000011C'EF   00000118'EF   D1  05AB    587          CMPL    CREPID,SUBJPID          ; WAS A PROCESS CREATED FOR THIS TEST CASE ?
                            0F  12  05B6    588          BNEQU   VFY_CLEANUPX            ; NO -- JUST EXIT
05B8    589          $DELPRC_S SUBJPID               ; YES -- DELETE IT
05C7    590 VFY_CLEANUPX:
```

```
 05  05C7   591          RSB                             ; RETURN TO CALLER
     05C8   592          .END
```

```
$$$$                    = 000004D0 R      04
$$$CHARS                = 00000020
$$$CHARS1               = 00000004
$$$CHARS2               = 0000000A
$$$CHARS3               = 00000019
$$$CHARS4               = 00000021
$$$CHARS5               = 00000026
$$$COND_A               = 00000004
$$$STRINGS              = 00000001
$$$STRINGS2             = 00000005
$$T1                    = 00000001
$$T2                    = 00000004
BYTE                    = 00000001  G
CFLAG                     ********    X   04
CHMRTN                    ********    X   04
CHM_CONT                  ********    X   04
COMP_SC                   ********    X   04
CONDT                     00000232 RG     04
COND1_C                 = 00000000
COND1_CLEANUP             00000233 RG     04
COND1_E                   0000016B R      03
COND1_H                   0000012C RG     03
COND1_T                   00000120 R      03
COND1_TAB                 0000012D R      03
COND2                     00000234 RG     04
COND2_C                 = 00000000
COND2_CLEANUP             00000235 RG     04
COND2_E                   000001AD R      03
COND2_H                   0000018C RG     03
COND2_T                   00000177 R      03
COND2_TAB                 0000018D R      03
COND3                     00000236 RG     04
COND3X                    0000027D R      04
COND3_C                 = 00000000
COND3_CLEANUP             0000027E RG     04
COND3_E                   0000024A R      03
COND3_H                   000001C2 RG     03
COND3_T                   000001B5 R      03
COND3_TAB                 000001C3 R      03
COND4                     0000027F RG     04
COND4_C                 = 00000014
COND4_CLEANUP             00000280 RG     04
COND4_H                   0000025E RG     03
COND4_T                   0000025E R      03
COND4_TAB                 0000025E R      03
COND5                     00000281 RG     04
COND5_C                 = 00000014
COND5_CLEANUP             00000282 RG     04
COND5_H                   0000025F RG     03
COND5_T                   0000025F R      03
COND5_TAB                 0000025F R      03
CONFLICT                  ********    X   04
CREPID                    00000118 R      03
CTL$GL_PHD                ********    X   04
DESC                    = 00000010  G
DEST_PIDADR               0000010C R      03
DIB$K_LENGTH            = 00000074
DIB$W_UNIT              = 0000000C
EFLAG                     ********    X   04
EXPV                      ********    X   04
FAO_DESC                  ********    X   04
FAO_LEN                   ********    X   04
FORM_CONDS                00000283 RG     04
FORM_CONDSX               0000036C R      04
IMAGNAM                   00000065 R      02
IO$_READVBLK              ********    X   04
LONG                    = 00000004  G
MBXBUFF                   0000008C R      03
MBXCHAN                   00000008 R      03
MBXCHANINFO               0000000C R      03
MBXUNIT                   00000088 R      03
MOD_MSG_CODE              ********    X   04
MOD_MSG_PRINT             ********    X   04
MSGT_INP_CTL              00000019 R      02
MSG3_ERR_CTL              00000039 RG     02
MSG_A                     ********    X   04
MSG_B                     ********    X   04
MSG_CTXT                  ********    X   04
NOTARG                  = 00000000  G
NULL                    = 00000014  G
ONES                      ********    X   04
OUTPUT_MSG                ********    X   04
PCB$L_UIC               = 000000BC
PCV                       ********    X   04
PHD$Q_PRIVMSK           = 00000000
PQL$_BYTLM              = 00000003
PQL$_CPULM              = 00000004
PQL$_FILLM              = 00000006
PQL$_LISTEND            = 00000000
PQL$_PGFLQUOTA          = 00000007
PQL$_PRCLM              = 00000C08
PQL$_TQELM              = 00000009
PRIVMASK                  00000000 R      03
PRIV_ARGS               = 00000002
PROCESS_ERR               ********    X   04
QUAD                    = 00000008  G
QUOTALIST                 00000084 R      02
RECV                      ********    X   04
REST_REGS                 ********    X   04
SAVE_REGS                 ********    X   04
SCH$GL_CURPCB             ********    X   04
SELFPID                   00000114 R      03
SS$_NORMAL                ********    X   04
SUBJPID                   0000011C R      03
SUBJPRN                   00000051 R      02
SUCCESS                   ********    X   04
SYS$CMKRNL                ********   GX   04
SYS$CREMBX                ********   GX   04
SYS$CREPRC                ********   GX   04
SYS$DELMBX                ********   GX   04
SYS$DELPRC                ********   GX   04
SYS$FAO                   ********    X   04
SYS$GETCHN                ********   GX   04
SYS$HIBER                 ********   GX   04
```

```
SYS$QIOW                        ********  GX    04
SYS$RESUME                      ********  GX    04
SYS$SETPRN                      ********  GX    04
SYS$SETPRV                      ********  GX    04
SYS$SUSPND                      ********  GX    04
SYS$WAKE                        ********  GX    04
TESTNUM                         ********   X    04
TEST_MOD_NAME                   00000000 RG     02
TEST_MOD_NAME_D                 00000009 R      02
TEST_MOD_SUCC                   ********   X    04
TMD_ADDR                        ********   X    04
TM_CLEANUP                      00000220 RG     04
TM_SETUP                        00000000 RG     04
VERIFY                          0000036D RG     04
VERIFYX                         000005AA R      04
VFY_CLEANUP                     000005AB RG     04
VFY_CLEANUPX                    000005C7 R      04
WORD                          = 00000002  G
WRITE_MSG2                      ********   X    04
ZEROPID                         00000110 R      03
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
ABS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	000000A7 (167.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	00000260 (608.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SATSSS38	000005C8 (1480.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.10	00:00:00.32
Command processing	107	00:00:00.68	00:00:02.98
Pass 1	300	00:00:09.01	00:00:18.16
Symbol table sort	0	00:00:00.79	00:00:00.93
Pass 2	128	00:00:02.15	00:00:02.61
Symbol table output	17	00:00:00.11	00:00:00.12
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	586	00:00:12.87	00:00:25.15

```
The working set limit was 1500 pages.
46932 bytes (92 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 489 non-local and 44 local symbols.
592 source lines were read in Pass 1, producing 24 object records in Pass 2.
48 pages of virtual memory were used to define 38 macros.
```

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SHRLIB]UETP.MLB;1	9
_255DUA28:[SYS.OBJ]LIB.MLB;1	2
_255DUA28:[SYSLIB]STARLET.MLB;2	24
TOTALS (all libraries)	35

896 GETS were required to define 35 macros.

There were no errors, warnings or information messages.

```
MACRO/LIS=LIS$:SATSSS38/OBJ=OBJ$:SATSSS38 MSRC$:SATSSS38/UPDATE=(ENH$:SATSSS38)+EXECML$/LIB+SHRLIB$:UETP/LIB
```

SATSSS35
LIS

SATSSS26
LIS

SATSSS38
LIS

SATSS530
LIS

SATSSS37
LIS

SATSSS39
LIS

SATSSS36
LIS