1 3

```
   CCCCCCCCCCCC  LLL                 IIIIIIIII     UUU         UUU  TTTTTTTTTTTTTTT  LLL
   CCCCCCCCCCCC  LLL                 IIIIIIIII     UUU         UUU  TTTTTTTTTTTTTTT  LLL
   CCCCCCCCCCCC  LLL                 IIIIIIIII     UUU         UUU  TTTTTTTTTTTTTTT  LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
CCC              LLL                    III        UUU         UUU        TTT        LLL
   CCCCCCCCCCCC  LLLLLLLLLLLLLLL     IIIIIIIII     UUUUUUUUUUUUUUU        TTT        LLLLLLLLLLLLLLL
   CCCCCCCCCCCC  LLLLLLLLLLLLLLL     IIIIIIIII     UUUUUUUUUUUUUUU        TTT        LLLLLLLLLLLLLLL
   CCCCCCCCCCCC  LLLLLLLLLLLLLLL     IIIIIIIII     UUUUUUUUUUUUUUU        TTT        LLLLLLLLLLLLLLL
```

FILEID**SETACNTNG

```
  SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT    AAAAAA      CCCCCCCC  NN      NN  TTTTTTTTTT  NN      NN    GGGGGGGG
  SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT    AAAAAA      CCCCCCCC  NN      NN  TTTTTTTTTT  NN      NN    GGGGGGGG
SS          EE              TT      AA      AA  CC          NN      NN      TT      NN      NN  GG
SS          EE              TT      AA      AA  CC          NN      NN      TT      NN      NN  GG
SS          EE              TT      AA      AA  CC          NNNN    NN      TT      NNNN    NN  GG
SS          EE              TT      AA      AA  CC          NNNN    NN      TT      NNNN    NN  GG
  SSSSSS    EEEEEEEE        TT      AA      AA  CC          NN  NN  NN      TT      NN  NN  NN  GG
  SSSSSS    EEEEEEEE        TT      AA      AA  CC          NN  NN  NN      TT      NN  NN  NN  GG
        SS  EE              TT      AAAAAAAAAA  CC          NN    NNNN      TT      NN    NNNN  GG  GGGGGG
        SS  EE              TT      AAAAAAAAAA  CC          NN    NNNN      TT      NN    NNNN  GG  GGGGGG
        SS  EE              TT      AA      AA  CC          NN      NN      TT      NN      NN  GG      GG      ....
        SS  EE              TT      AA      AA  CC          NN      NN      TT      NN      NN  GG      GG      ....
SSSSSSSS    EEEEEEEEEE      TT      AA      AA    CCCCCCCC  NN      NN      TT      NN      NN    GGGGGG        ....
SSSSSSSS    EEEEEEEEEE      TT      AA      AA    CCCCCCCC  NN      NN      TT      NN      NN    GGGGGG        ....

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
```

```
0 MODULE setacntng ( IDENT = 'V04-000',
0                   ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL=LONG_RELATIVE)
0                   ) =
1 BEGIN
1
1 !
1 !****************************************************************************
1 !*                                                                          *
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1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
1 !*                                                                          *
1 !*                                                                          *
1 !****************************************************************************
1
1 !++
1 ! FACILITY:  SET Command
1 !
1 ! ABSTRACT:
1 !
1 !       This module implements the DCL command SET ACCOUNTING.
1 !
1 ! ENVIRONMENT:
1 !
1 !       VAX/VMS operating system, user mode
1 !
1 ! AUTHOR:  Gerry Smith                            15-Mar-1983
1 !
1 ! Modified by:
1 !
1 !       V03-003 DAS0001         David Solomon           09-Jul-1984
1 !               Fix truncation errors; make nonexternal refs LONG_RELATIVE.
1 !
1 !       V03-002 GAS0156         Gerry Smith             24-Jul-1983
1 !               Fix error signaling for SET ACCOUNT/NEW.
1 !
1 !       V03-001 GAS0144         Gerry Smith             22-Jun-1983
1 !               Convert to new SNDJBC service.
1 !
1 !--
```

```
;    56          0055  1 !
;    57          0056  1 ! Include files
;    58          0057  1 !
;    59          0058  1 LIBRARY 'SYS$LIBRARY:STARLET';                  ! VAX/VMS common definitions
;    60          0059  1
```

```
1 !
1 ! Declare some storage for tables
1 !
1 OWN
1     option_string : VECTOR[2]                 ! ASCII storage for
1                   INITIAL(%ASCID 'ENABLE',    ! qualifiers
1                           %ASCID 'DISABLE'),
1
1
1     option_code : VECTOR[2]                   ! Corresponding codes
1                 INITIAL(sjc$_start_accounting,
1                         sjc$_stop_accounting),
1
1 !
1 ! List the accounting types, in ASCII, and the corresponding bitmasks
1 !
1 ! The following tables contain data in a specific order, and that order
1 ! is the $BITPOSITION order of the ACM$V_ accounting types fields.  If new
1 ! accounting types are added to LIB:ACMDEF and SJCDEF, then corresponding
1 ! entriesshould be added to the tables here.
1 !              *******Note that currently, the ACM$V_  fields
1 !              start at bit position 0 and are incremented by 1
1 !              for each accounting  type.  If this changes in the
1 !              future, it may be necessary to change the way this
1 !              module, specifically the logging part, is
1 !              implemented.
1 !
1 !
1     acc_name : VECTOR[10]                                     ! ASCII descriptors for
1              INITIAL(%ASCID 'PROCESS,',                       ! accounting categories
1                      %ASCID 'IMAGE,',
1                      %ASCID 'INTERACTIVE,',
1                      %ASCID 'LOGIN_FAILURE,',
1                      %ASCID 'SUBPROCESS,',
1                      %ASCID 'DETACHED,',
1                      %ASCID 'BATCH,',
1                      %ASCID 'NETWORK,',
1                      %ASCID 'PRINT,',
1                      %ASCID 'MESSAGE,'),
1
1     acc_code : VECTOR[10]                                     ! Corresponding masks
1              INITIAL(sjc$m_acct_process,
1                      sjc$m_acct_image,
1                      sjc$m_acct_interactive,
1                      sjc$m_acct_login_failure,
1                      sjc$m_acct_subprocess,
1                      sjc$m_acct_detached,
1                      sjc$m_acct_batch,
1                      sjc$m_acct_network,
1                      sjc$m_acct_print,
1                      sjc$m_acct_message);
1
1
```

```
1 !
1 ! Table of contents
1 !
1
1 FORWARD ROUTINE
1     set$accounting: NOVALUE,          ! Main module of SET ACCOUNTING
1     process_request : NOVALUE,        ! Process qualifiers
1     send_request;                     ! Send request to acc. mgr.
1
1 !
1 ! Declare the accounting manager flags in the exec
1 !
1 EXTERNAL
1     exe$gl_acmflags;
1
1 !
1 ! External routines
1 !
1 EXTERNAL ROUTINE
1     str$append,                       ! Append one string to another
1     cli$get_value,                    ! Get value from CLI
1     cli$present;                      ! See if qualifier is present
1
1 !
1 ! Declare literals defined elsewhere
1 !
1 EXTERNAL LITERAL
1     set$_accenab,                     ! List currently enabled types
1     set$_accdisab,                    ! Accounting now disabled
1     set$_writeerr,                    ! Error modifying accntng. params
1     set$_newfile,                     ! New accounting file created
1     set$_nonewfile;                   ! New acc. file not created
1
```

```
GLOBAL ROUTINE set$accounting : NOVALUE =
BEGIN

!++
! Functional description
!
!       This is the routine for the SET ACCOUNTING command.  It is called
!       from the SET command processor, and enables/disables certain types
!       of accounting, as well as starting a new accounting file.
!
! Inputs
!       None
!
! Outputs
!       None
!
!----

LOCAL
    status,                             ! Status return
    log : BYTE,                         ! Tell whether to log or not
    flags : VOLATILE,                   ! Flags to show what was done
    buffer : VECTOR[4];                 ! Message buffer to send request

!
! See if logging is required.
!
log = cli$present(%ASCID 'LOG');

!
! If something is to be enabled, process the qualifiers, then request
! the change from the accounting manager.  If something went wrong,
! signal an error.  Otherwise, if the operation is to be logged, issue
! an informational message.
!
INCR i FROM 0 TO 1 DO
    BEGIN
    IF cli$present(.option_string[.i])
    THEN
        BEGIN
!
! Call the routine to determine what is to be enabled/disabled.
!
        flags = 0;                                      ! Clear all flags
        process_request(.option_string[.i], flags);     ! See what to change

!
! If nothing to set, then put a zero at the end of the itemlist.
!
        IF .flags EQL 0                         ! If no flags set,
        THEN buffer[0] = 0                      ! then all done

!
! If there is something to enable/disable, then add another item to
! the itemlist, the accounting types.
!
        ELSE
```

```
5               BEGIN
5               buffer[0] = sjc$_accounting_types^16        ! Accounting types
5                           OR 4;                           ! are a longword
5               buffer[1] = flags;                          ! located here
5               buffer[2] = 0;                              ! no return length
5               buffer[3] = 0;                              ! end of list
4               END;
4
4 !
4 ! Call the routine to actually send the request to the job controller.
4 !
5           IF NOT (status = send_request(.option_code[.i], ! This is the function,
5                                   buffer))            ! this is the itemlist
4           THEN
5               BEGIN                                       ! If an error,
5               SIGNAL(set$_writeerr, 1,                    ! tell user
5                       %ASCID 'accounting parameters',
5                       .status);
5               RETURN;                                     ! and go away
4               END;
3           END;
2       END;
2
2 !
2 ! If /LOG was specified, then display the current accounting types enabled.
2 !
2 IF .log
2 THEN
3       BEGIN
3       LOCAL
3           types : $BBLOCK[dsc$c_s_bln],     ! Place to build the types string
3           acmflags : BITVECTOR[32];         ! Temporary place for accntng. flags
3       $init_dyndesc(types);                 ! Make a dynamic descriptor
3       acmflags = .exe$gl_acmflags;          ! Get a copy of current settings.
3       INCR i FROM 0 TO 9 DO
3           IF .acmflags[.i]
3           THEN str$append(types, .acc_name[.i]);
3       IF .types[dsc$w_length] EQL 0         ! If nothing set, all disabled
3       THEN SIGNAL(set$_accdisab)
3       ELSE                                  ! Otherwise, strip trailing ","
4           BEGIN                             ! and display enabled types
4           types[dsc$w_length] = .types[dsc$w_length] - 1;
4           SIGNAL(set$_accenab, 1, types);
3           END;
2       END;
2
2 !
2 ! If a new accounting file is requested, try to do that.  If something went
2 ! wrong, signal an error.  Otherwise, if the operation is to be logged,
2 ! issue an informational message.
2 !
2 IF cli$present(%ASCID 'NEW_FILE')
2 THEN
3       BEGIN
3       buffer[0] = sjc$_new_version^16;          ! Open a new file
3       buffer[1] = 0;
3       buffer[2] = 0;
```

```
;  264          0260  3         buffer[3] = 0;
;  265          0261  4         IF NOT (status = send_request(.option_code[0],
;  266          0262  4                                 buffer))
;  267          0263  3         THEN SIGNAL(set$_nonewfile, 0,                  ! If an error,
;  268          0264  3                 .status)                                ! tell user
;  269          0265  3         ELSE IF .log                                    ! If /LOG, tell user
;  270          0266  3         THEN SIGNAL(set$_newfile);
;  271          0267  2         END;
;  272          0268  2
;  273          0269  2
;  274          0270  2 RETURN;
;  275          0271  1 END;


                                                                          .TITLE  SETACNTNG
                                                                          .IDENT  \V04-000\

                                                                          .PSECT  $PLIT$,NOWRT,NOEXE,2

                              00  00  45  4C  42  41  4E  45  00000 P.AAB:  .ASCII  \ENABLE\<0><0>
                                                   010E0006  00008 P.AAA:  .LONG   17694726
                                                   00000000' 0000C         .ADDRESS P.AAB
                              00  45  4C  42  41  53  49  44  00010 P.AAD:  .ASCII  \DISABLE\<0>
                                                   010E0007  00018 P.AAC:  .LONG   17694727
                                                   00000000' 0001C         .ADDRESS P.AAD
                              2C  53  53  45  43  4F  52  50  00020 P.AAF:  .ASCII  \PROCESS,\
                                                   010E0008  00028 P.AAE:  .LONG   17694728
                                                   00000000' 0002C         .ADDRESS P.AAF
                              00  00  2C  45  47  41  4D  49  00030 P.AAH:  .ASCII  \IMAGE,\<0><0>
                                                   010E0006  00038 P.AAG:  .LONG   17694726
                                                   00000000' 0003C         .ADDRESS P.AAH
              2C  45  56  49  54  43  41  52  45  54  4E  49  00040 P.AAJ:  .ASCII  \INTERACTIVE,\
                                                   010E000C  0004C P.AAI:  .LONG   17694732
                                                   00000000' 00050         .ADDRESS P.AAJ
00  2C  45  52  55  4C  49  41  46  5F  4E  49  47  4F  4C  00054 P.AAL:  .ASCII  \LOGIN_FAILURE,\<0><0>
                                                         00  00063
                                                   010E000E  00064 P.AAK:  .LONG   17694734
                                                   00000000' 00068         .ADDRESS P.AAL
              00  2C  53  53  45  43  4F  52  50  42  55  53  0006C P.AAN:  .ASCII  \SUBPROCESS,\<0>
                                                   010E000B  00078 P.AAM:  .LONG   17694731
                                                   00000000' 0007C         .ADDRESS P.AAN
              00  00  00  2C  44  45  48  43  41  54  45  44  00080 P.AAP:  .ASCII  \DETACHED,\<0><0><0>
                                                   010E0009  0008C P.AAO:  .LONG   17694729
                                                   00000000' 00090         .ADDRESS P.AAP
                              00  00  2C  48  43  54  41  42  00094 P.AAR:  .ASCII  \BATCH,\<0><0>
                                                   010E0006  0009C P.AAQ:  .LONG   17694726
                                                   00000000' 000A0         .ADDRESS P.AAR
                              2C  4B  52  4F  57  54  45  4E  000A4 P.AAT:  .ASCII  \NETWORK,\
                                                   010E0008  000AC P.AAS:  .LONG   17694728
                                                   00000000' 000B0         .ADDRESS P.AAT
                              00  00  2C  54  4E  49  52  50  000B4 P.AAV:  .ASCII  \PRINT,\<0><0>
                                                   010E0006  000BC P.AAU:  .LONG   17694726
                                                   00000000' 000C0         .ADDRESS P.AAV
                              2C  45  47  41  53  53  45  4D  000C4 P.AAX:  .ASCII  \MESSAGE,\
                                                   010E0008  000CC P.AAW:  .LONG   17694728
                                                   00000000' 000D0         .ADDRESS P.AAX
                                          00  47  4F  4C  000D4 P.AAZ:  .ASCII  \LOG\<0>
```

```
                                    010E0003  000D8 P.AAY:   .LONG    17694723                                  ;
                                    00000000' 000DC          .ADDRESS P.AAZ                                     ;
61  72  61  70  20  67  6E  69  74  6E  75  6F  63  63  61  000E0 P.ABB:   .ASCII   \accounting parameters\<0><0><0>   ;
                        00  00  00  73  72  65  74  65  6D  000EF                                                      ;
                                    010E0015  000F8 P.ABA:   .LONG    17694741                                  ;
                                    00000000' 000FC          .ADDRESS P.ABB                                     ;
                45  4C  49  46  5F  57  45  4E  00100 P.ABD:   .ASCII   \NEW_FILE\                                  ;
                                    010E0008  00108 P.ABC:   .LONG    17694728                                  ;
                                    00000000' 0010C          .ADDRESS P.ABD                                     ;

                                                             .PSECT   $OWN$,NOEXE,2

                          00000000' 00000000' 00000 OPTION_STRING:
                                                             .ADDRESS P.AAA, P.AAC                              ;
                          0000001A  00000017  00008 OPTION_CODE:
                                                             .LONG    23, 26                                    ;
00000000' 00000000' 00000000' 00000000' 00000000' 00000000' 00010 ACC_NAME:
                                                             .ADDRESS P.AAE, P.AAG, P.AAI, P.AAK, P.AAM, -      ;
                    00000000' 00000000' 00000000' 00000000' 00028                P.AAO, P.AAQ, P.AAS, P.AAU, P.AAW      ;
00000020  00000010  00000008  00000004  00000002  00000001  00038 ACC_CODE:
                                                             .LONG    1, 2, 4, 8, 16, 32, 64, 128, 256, 512     ;
                    00000200  00000100  00000080  00000040  00050                                                  ;

                                                             .EXTRN   EXE$GL_ACMFLAGS
                                                             .EXTRN   STR$APPEND, CLI$GET_VALUE
                                                             .EXTRN   CLI$PRESENT, SET$_ACCENAB
                                                             .EXTRN   SET$_ACCDISAB, SET$_WRITEERR
                                                             .EXTRN   SET$_NEWFILE, SET$_NONEWFILE

                                                             .PSECT   $CODE$,NOWRT,2

                                         07FC 00000          .ENTRY   SET$ACCOUNTING, Save R2,R3,R4,R5,R6,R7,R8,- ; 0146
                                                                      R9,R10                                    ;
                         5A 00000000V  EF  9E 00002          MOVAB    SEND_REQUEST, R10                         ;
                         59 00000000'  EF  9E 00009          MOVAB    P.AAY, R9                                 ;
                         58 00000000G  00  9E 00010          MOVAB    CLI$PRESENT, R8                           ;
                         57 00000000G  00  9E 00017          MOVAB    LIB$SIGNAL, R7                            ;
                         56 00000000'  EF  9E 0001E          MOVAB    OPTION_STRING, R6                         ;
                         5E            1C  C2 00025          SUBL2    #28, SP                                   ;
                                       59  DD 00028          PUSHL    R9                                        ; 0173
                         68            01  FB 0002A          CALLS    #1, CLI$PRESENT                           ;
                         55            50  90 0002D          MOVB     R0, LOG                                   ;
                                       52  D4 00030          CLRL     I                                         ; 0181
                                     6642  DD 00032 1$:      PUSHL    OPTION_STRING[I]                          ; 0183
                         68            01  FB 00035          CALLS    #1, CLI$PRESENT                           ;
                         4B            50  E9 00038          BLBC     R0, 4$                                    ;
                                  18   AE  D4 0003B          CLRL     FLAGS                                     ; 0189
                                  18   AE  9F 0003E          PUSHAB   FLAGS                                     ; 0190
                                     6642  DD 00041          PUSHL    OPTION_STRING[I]                          ;
                00000000V  EF          02  FB 00044          CALLS    #2, PROCESS_REQUEST                       ;
                                  18   AE  D5 0004B          TSTL     FLAGS                                     ; 0195
                                       05  12 0004E          BNEQ     2$                                        ;
                                  08   AE  D4 00050          CLRL     BUFFER                                    ; 0196
                                       10  11 00053          BRB      3$                                        ;
                    08     AE 00020004 8F  D0 00055 2$:      MOVL     #131076, BUFFER                           ; 0205
                    0C     AE     18   AE  9E 0005D          MOVAB    FLAGS, BUFFER+4                           ; 0206
                                  10   AE  7C 00062          CLRQ     BUFFER+8                                  ; 0207
                        08   AE  9F 00065 3$:   PUSHAB  BUFFER                                      ; 0214
                      08 A642    DD 00068       PUSHL   OPTION_CODE[I]                              ;
                 6A          02  FB 0006C       CALLS   #2, SEND_REQUEST                            ;
                 54          50  D0 0006F       MOVL    R0, STATUS                                  ;
                 11          54  E8 00072       BLBS    STATUS, 4$                                  ;
                             54  DD 00075       PUSHL   STATUS                                      ; 0220
                      20     A9  9F 00077       PUSHAB  P.ABA                                       ; 0218
                             01  DD 0007A       PUSHL   #1                                          ;
                  00000000G  8F  DD 0007C       PUSHL   #SET$_WRITEERR                              ;
                 67          04  FB 00082       CALLS   #4, LIB$SIGNAL                              ;
                                 04 00085       RET                                                 ; 0217
         A8      52          01  F3 00086 4$:   AOBLEQ  #1, I, 1$                                   ; 0181
                 47          55  E9 0008A       BLBC    LOG, 8$                                     ; 0229
                 6E 020E0000  8F D0 0008D       MOVL    #34471936, TYPES                            ; 0235
                      04     AE  D4 00094       CLRL    TYPES+4                                     ;
                 53 00000000G 00 D0 00097       MOVL    EXE$GL_ACMFLAGS, ACMFLAGS                   ; 0236
                             52  D4 0009E       CLRL    I                                           ; 0237
         0E      53          52  E1 000A0 5$:   BBC     I, ACMFLAGS, 6$                             ; 0238
                      10 A642    DD 000A4       PUSHL   ACC_NAME[I]                                 ; 0239
                      04     AE  9F 000A8       PUSHAB  TYPES                                       ;
          00000000G  00      02  FB 000AB       CALLS   #2, STR$APPEND                              ;
         EA      52          09  F3 000B2 6$:   AOBLEQ  #9, I, 5$                                   ; 0238
                             6E  B5 000B6       TSTW    TYPES                                       ; 0240
                             0B  12 000B8       BNEQ    7$                                          ;
                  00000000G  8F  DD 000BA       PUSHL   #SET$_ACCDISAB                              ; 0241
                 67          01  FB 000C0       CALLS   #1, LIB$SIGNAL                              ;
                             0F  11 000C3       BRB     8$                                          ;
                             6E  B7 000C5 7$:   DECW    TYPES                                       ; 0244
                             5E  DD 000C7       PUSHL   SP                                          ; 0245
                             01  DD 000C9       PUSHL   #1                                          ;
                  00000000G  8F  DD 000CB       PUSHL   #SET$_ACCENAB                               ;
                 67          03  FB 000D1       CALLS   #3, LIB$SIGNAL                              ;
                      30     A9  9F 000D4 8$:   PUSHAB  P.ABC                                       ; 0254
                 68          01  FB 000D7       CALLS   #1, CLI$PRESENT                             ;
                 37          50  E9 000DA       BLBC    R0, 10$                                     ;
              08 AE 00680000 8F  D0 000DD       MOVL    #6815744, BUFFER                            ; 0257
                      0C     AE  7C 000E5       CLRQ    BUFFER+4                                    ; 0258
                      14     AE  D4 000E8       CLRL    BUFFER+12                                   ; 0260
                      08     AE  9F 000EB       PUSHAB  BUFFER                                      ; 0261
                      08     A6  DD 000EE       PUSHL   OPTION_CODE                                 ;
                 6A          02  FB 000F1       CALLS   #2, SEND_REQUEST                            ;
                 54          50  D0 000F4       MOVL    R0, STATUS                                  ;
                 0E          54  E8 000F7       BLBS    STATUS, 9$                                  ;
                             54  DD 000FA       PUSHL   STATUS                                      ; 0264
                             7E  D4 000FC       CLRL    -(SP)                                       ; 0263
                  00000000G  8F  DD 000FE       PUSHL   #SET$_NONEWFILE                             ;
                 67          03  FB 00104       CALLS   #3, LIB$SIGNAL                              ;
                                 04 00107       RET                                                 ;
                 09          55  E9 00108 9$:   BLBC    LOG, 10$                                    ; 0265
                  00000000G  8F  DD 0010B       PUSHL   #SET$_NEWFILE                               ; 0266
                 67          01  FB 00111       CALLS   #1, LIB$SIGNAL                              ;
                                 04 00114 10$:  RET                                                 ; 0271

; Routine Size:  277 bytes,    Routine Base:  $CODE$ + 0000
;  277          0272  1 ROUTINE process_request (option, flags) : NOVALUE =
;  278          0273  2 BEGIN
;  279          0274  2
;  280          0275  2 !++
;  281          0276  2 ! Functional description
;  282          0277  2 !
;  283          0278  2 !      This routine collects the qualifiers to indicate what types
;  284          0279  2 !      of accounting data to enable or disable.  A corresponding bit
;  285          0280  2 !      is set in the FLAGS word.
;  286          0281  2 !
;  287          0282  2 ! Inputs
;  288          0283  2 !
;  289          0284  2 !      OPTION - address of descriptor for operation (ENABLE or DISABLE)
;  290          0285  2 !      FLAGS  - longword bitmask describing what was set
;  291          0286  2 !
;  292          0287  2 ! Outputs
;  293          0288  2 !      FLAGS  - bitmask set to indicate what was requested
;  294          0289  2 !
;  295          0290  2 !----
;  296          0291  2
;  297          0292  2 LOCAL
;  298          0293  2     desc : $BBLOCK[dsc$c_s_bln];        ! CLI value descriptor
;  299          0294  2
;  300          0295  2 $init_dyndesc(desc);                     ! Make the descriptor dynamic
;  301          0296  2
;  302          0297  2 !
;  303          0298  2 ! For each accounting category specified by the user, OR in the corresponding
;  304          0299  2 ! bitmask to the flags longword.
;  305          0300  2 !
;  306          0301  2 WHILE cli$get_value(.option, desc) DO
;  307          0302  3     BEGIN
;  308          0303  3     INCR i FROM 0 TO 9 DO
;  309          0304  4         BEGIN
;  310          0305  4         BIND name = .acc_name[.i] : VECTOR;
;  311          0306  4         IF CH$EQL(.desc[dsc$w_length], .desc[dsc$a_pointer],
;  312          0307  4                 .desc[dsc$w_length], .name[1])
;  313          0308  4         THEN EXITLOOP (.flags = ..flags OR .acc_code[.i]);
;  314          0309  3         END;
;  315          0310  2     END;
;  316          0311  2
;  317          0312  2 RETURN;
;  318          0313  1 END;



                                     001C 00000 PROCESS_REQUEST:
                                                       .WORD   Save R2,R3,R4                              ; 0272
          5E                     04  C2 00002          SUBL2   #4, SP                                     ;
             020E0000            8F  DD 00005          PUSHL   #34471936                                  ; 0295
                   04            AE  D4 0000B          CLRL    DESC+4                                     ;
                                 5E  DD 0000E 1$:      PUSHL   SP                                         ; 0301
                   04            AC  DD 00010          PUSHL   OPTION                                     ;
        00000000G  00            02  FB 00013          CALLS   #2, CLI$GET_VALUE                          ;
                   23            50  E9 0001A          BLBC    R0, 4$                                     ;
                                 54  D4 0001D          CLRL    I                                          ; 0306
                                 50 00000000'EF44  D0 0001F 2$:       MOVL    ACC_NAME[I], R0                          ; 0305
              04    B0      04   BE            6E  29 00027           CMPC3   DESC, @DESC+4, @4(R0)                    ; 0306
                                               0B  12 0002D           BNEQ    3$                                       ;
                            08   BC 00000000'EF44  C8 0002F           BISL2   ACC_CODE[I], @FLAGS                      ; 0308
                                               D4  11 00038           BRB     1$                                       ;
                    E1           54            09  F3 0003A 3$:       AOBLEQ  #9, I, 2$                                ; 0303
                                               CE  11 0003E           BRB     1$                                       ; 0301
                                                   04 00040 4$:       RET                                              ; 0313

; Routine Size:  65 bytes,    Routine Base:  $CODE$ + 0115
;  320            0314  1 ROUTINE send_request (function, buffer) =
;  321            0315  2 BEGIN
;  322            0316  2
;  323            0317  2 !++
;  324            0318  2 !
;  325            0319  2 !       This routine sends the request to the accounting manager, and
;  326            0320  2 !       obtains a status return.
;  327            0321  2 !
;  328            0322  2 ! Inputs
;  329            0323  2 !       FUNCTION - function to perform - start, stop accounting
;  330            0324  2 !       BUFFER - message buffer to send to the acc. manager.
;  331            0325  2 !
;  332            0326  2 ! Outputs
;  333            0327  2 !       Final status is returned.
;  334            0328  2 !
;  335            0329  2 !----
;  336            0330  2
;  337            0331  2 LOCAL
;  338            0332  2     status,
;  339            0333  2     iosb : VECTOR[2];
;  340            0334  2
;  341            0335  2 !
;  342            0336  2 ! Send the request to the accounting manager.
;  343            0337  2 !
;  344          P 0338  2 status = $SNDJBCW(FUNC   = .function,
;  345          P 0339  2                   ITMLST = .buffer,
;  346            0340  2                   IOSB   = iosb);
;  347            0341  2 IF .status
;  348            0342  2 THEN status = .iosb[0];
;  349            0343  2
;  350            0344  2 RETURN .status;                         ! Return the final status
;  351            0345  1 END;


                                                        .EXTRN  SYS$SNDJBCW

                                        0000 00000 SEND_REQUEST:
                                                        .WORD   Save nothing                                    ; 0314
                           5E           08  C2 00002    SUBL2   #8, SP
                                        7E  7C 00005    CLRQ    -(SP)                                           ; 0340
                                  08    AE  9F 00007    PUSHAB  IOSB                                            ;
                                  08    AC  DD 0000A    PUSHL   BUFFER                                          ;
                                        7E  D4 0000D    CLRL    -(SP)                                           ;
                                  04    AC  DD 0000F    PUSHL   FUNCTION                                        ;
                                        7E  D4 00012    CLRL    -(SP)                                           ;
                  00000000G  00         07  FB 00014    CALLS   #7, SYS$SNDJBCW                                 ;
                             03         50  E9 0001B    BLBC    STATUS, 1$                                      ; 0341
                             50         6E  D0 0001E    MOVL    IOSB, STATUS                                    ; 0342
                                            04 00021 1$: RET                                                    ; 0345

; Routine Size:  34 bytes,    Routine Base:  $CODE$ + 0156
;  353          0346  1 END
;  354          0347  0 ELUDOM



                                                                    .EXTRN  LIB$SIGNAL

;                                       PSECT SUMMARY
;
;       Name                      Bytes                           Attributes
;
;   $PLIT$                              272  NOVEC,NOWRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   $OWN$                                96  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   $CODE$                              376  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)



;                                 Library Statistics
;
;                                                  -------- Symbols --------       Pages       Processing
;       File                                       Total    Loaded  Percent        Mapped      Time
;
;   _$255$DUA28:[SYSLIB]STARLET.L32;1               9776       26        0          581         00:01.0




;                                        COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:SETACNTNG/OBJ=OBJ$:SETACNTNG MSRC$:SETACNTNG/UPDATE=(ENH$:SETACNTNG)

; Size:          376 code + 368 data bytes
; Run Time:         00:09.3
; Elapsed Time:     00:30.3
; Lines/CPU Min:     2248
; Lexemes/CPU-Min: 16056
; Memory Used:  100 pages
; Compilation Complete
```

0051 AH-BT13A-SE
VAX/VMS V4.0

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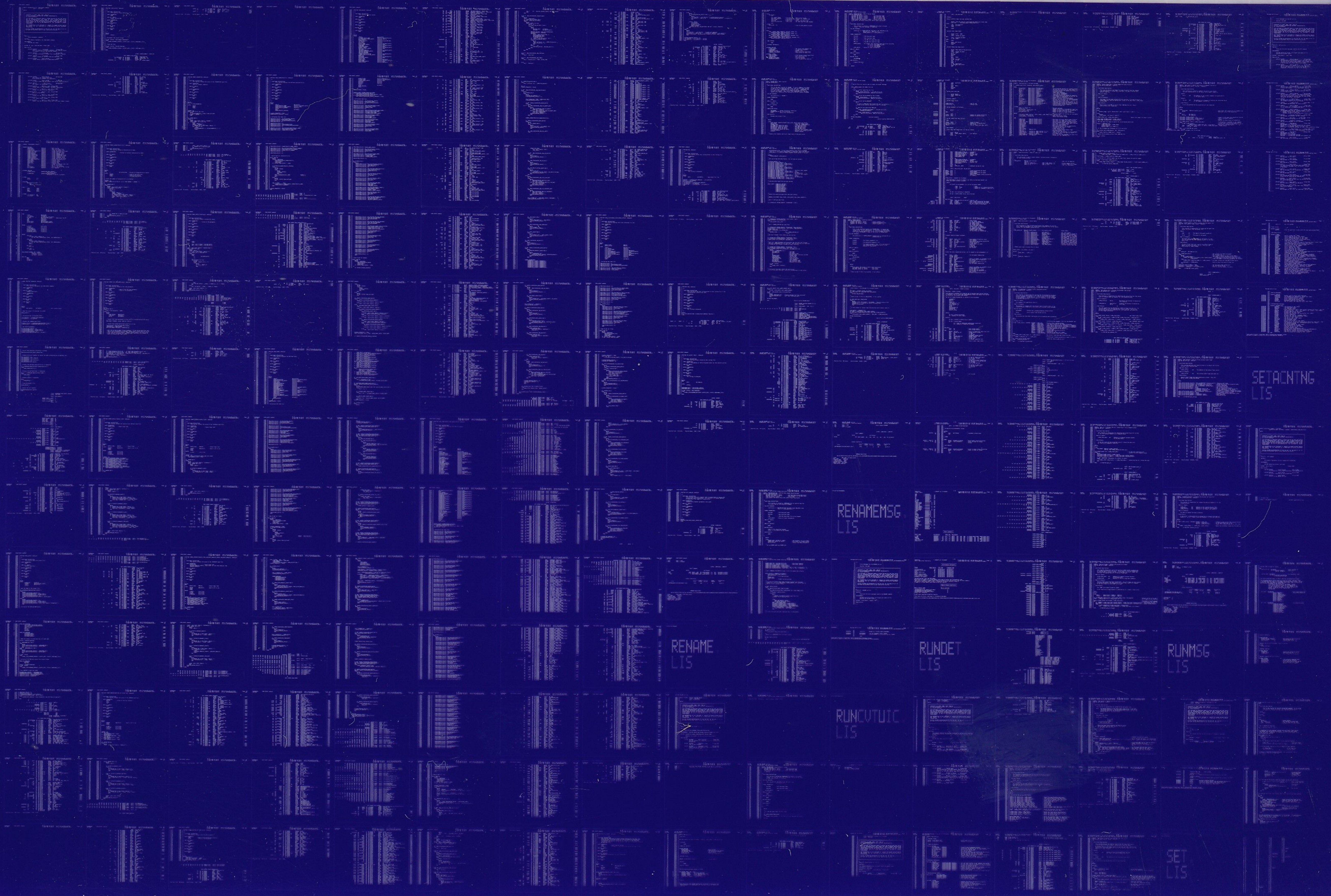

0052 AH-BT13A-SE
VAX/VMS V4.0

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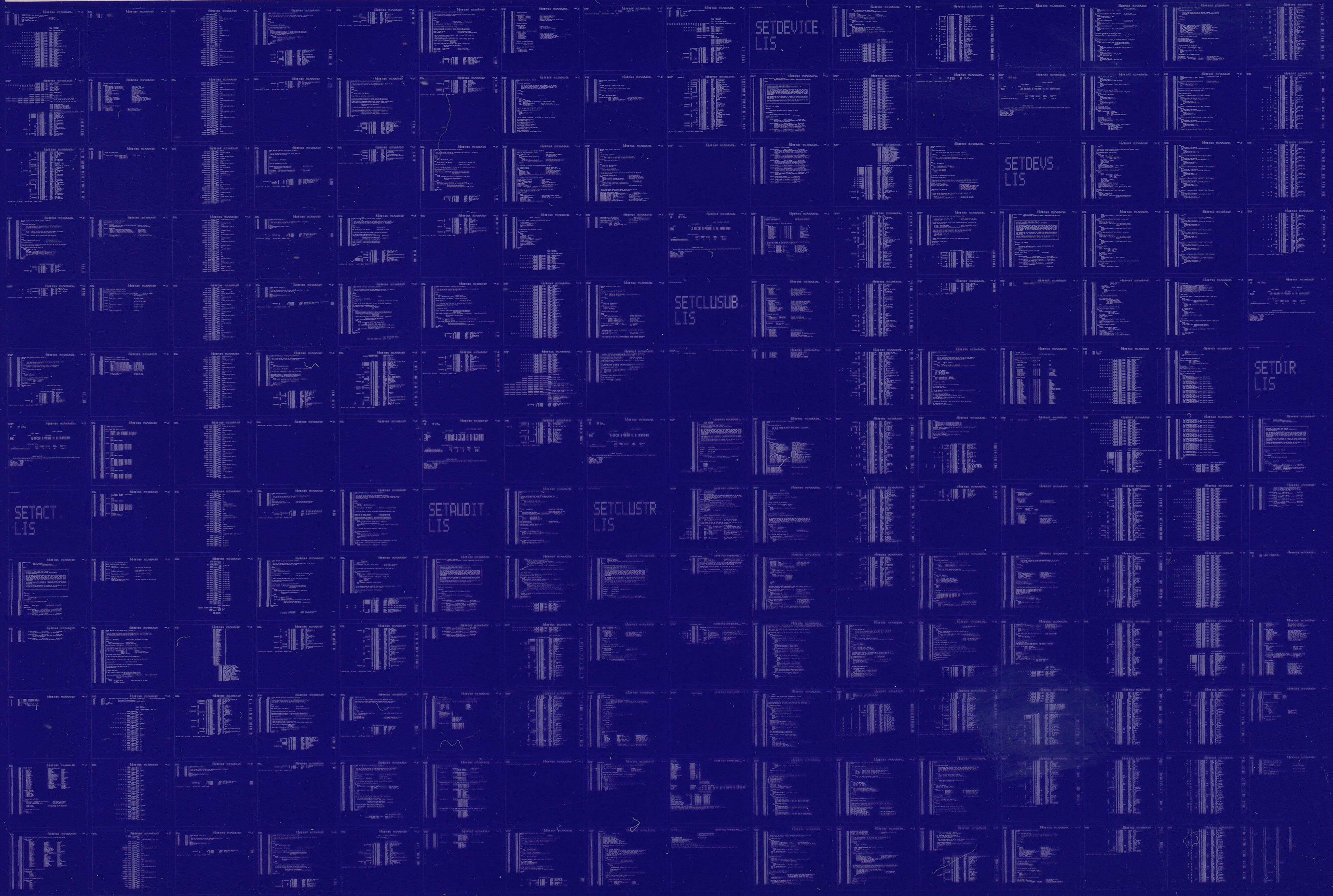

SETDEVICE
LIS

SETDEVS
LIS

SETCLUSUB
LIS

SETDIR
LIS

SETACT
LIS

SETAUDIT
LIS

SETCLUSTR
LIS

[illegible]