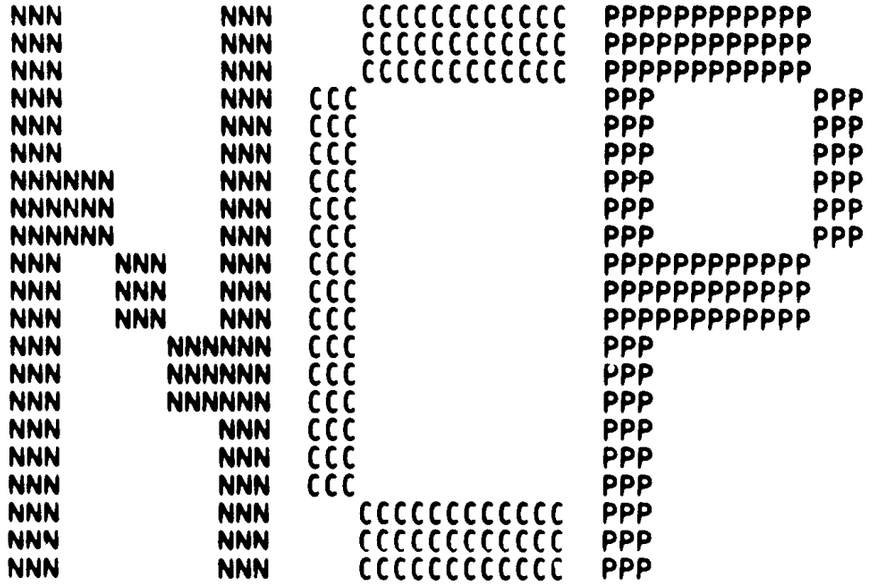
NNN NNN CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN CCC PPP PPP
NNN NNN CCC PPP PPP
NNN NNN CCC PPP PPP
NNNNNN NNN CCC PPP PPP
NNNNNN NNN CCC PPP PPP
NNNNNN NNN CCC PPP PPP
NNN NNN NNN CCC PPPPPPPPPPPP
NNN NNN NNN CCC PPPPPPPPPPPP
NNN NNN NNN CCC PPPPPPPPPPPP
NNN NNNNNN CCC PPP
NNN NNNNNN CCC PPP
NNN NNNNNN CCC PPP
NNN NNN CCC PPP
NNN NNN CCC PPP
NNN NNN CCC PPP
NNN NNN CCCCCCCCCCC PPP
NNN NNN CCCCCCCCCCC PPP
NNN NNN CCCCCCCCCCC PPP

FILEID**NCPSHOIO

```
NN       NN    CCCCCCCC  PPPPPPPP      SSSSSSSS  HH      HH    000000     IIIIII      000000
NN       NN    CCCCCCCC  PPPPPPPP      SSSSSSSS  HH      HH    000000     IIIIII      000000
NN       NN  CC          PP      PP  SS          HH      HH  00      00     II      00      00
NN       NN  CC          PP      PP  SS          HH      HH  00      00     II      00      00
NNNN     NN  CC          PP      PP  SS          HH      HH  00      00     II      00      00
NNNN     NN  CC          PP      PP  SS          HH      HH  00      00     II      00      00
NN  NN   NN  CC          PPPPPPPP      SSSSSS    HHHHHHHHHH  00      00     II      00      00
NN  NN   NN  CC          PPPPPPPP        SSSSSS  HHHHHHHHHH  00      00     II      00      00
NN    NNNN  CC          PP                    SS  HH      HH  00      00     II      00      00
NN    NNNN  CC          PP                    SS  HH      HH  00      00     II      00      00
NN      NN  CC          PP                    SS  HH      HH  00      00     II      00      00    ....
NN      NN  CC          PP                    SS  HH      HH  00      00     II      00      00    ....
NN      NN    CCCCCCCC  PP            SSSSSSSS    HH      HH    000000     IIIIII      000000    ....
NN      NN    CCCCCCCC  PP            SSSSSSSS    HH      HH    000000     IIIIII      000000    ....

LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
;  1     0001  0 %TITLE  'I/O Support for Show and List'
;  2     0002  0 MODULE NCPSHOIO (IDENT = 'V04-000',
;  3     0003  0                  ADDRESSING_MODE (EXTERNAL=GENERAL),
;  4     0004  0                  ADDRESSING_MODE(NONEXTERNAL=GENERAL)) =
;  5     0005  1 BEGIN
;  6     0006  1
;  7     0007  1 !
;  8     0008  1 !*****************************************************************************
;  9     0009  1 !*                                                                           *
; 10     0010  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
; 11     0011  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
; 12     0012  1 !*  ALL RIGHTS RESERVED.                                                     *
; 13     0013  1 !*                                                                           *
; 14     0014  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED   *
; 15     0015  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
; 16     0016  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
; 17     0017  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
; 18     0018  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
; 19     0019  1 !*  TRANSFERRED.                                                             *
; 20     0020  1 !*                                                                           *
; 21     0021  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
; 22     0022  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
; 23     0023  1 !*  CORPORATION.                                                             *
; 24     0024  1 !*                                                                           *
; 25     0025  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
; 26     0026  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
; 27     0027  1 !*                                                                           *
; 28     0028  1 !*                                                                           *
; 29     0029  1 !*****************************************************************************
; 30     0030  1 !
; 31     0031  1
; 32     0032  1 !++
; 33     0033  1 ! FACILITY:     Network Control Program (NCP)
; 34     0034  1 !
; 35     0035  1 ! ABSTRACT:
; 36     0036  1 !
; 37     0037  1 !       This module contains the routines to manage the output
; 38     0038  1 !       file for the SHOW and LIST commands.  This file is specified by
; 39     0039  1 !       the TO parameter and defaults to SYS$OUTPUT.
; 40     0040  1 !
; 41     0041  1 ! ENVIRONMENT:  VAX/VMS Operating System
; 42     0042  1 !
; 43     0043  1 ! AUTHOR:       Darrell Duffy   , CREATION DATE: 4-December-1979
; 44     0044  1 !
; 45     0045  1 ! MODIFIED BY:
; 46     0046  1 !
; 47     0047  1 !       V001    TMH0001         Tim Halvorsen   28-Jul-1981
; 48     0048  1 !               Add general addressing.
; 49     0049  1 !--
```

```
;    51          0050  1 %SBTTL  'Definitions'
;    52          0051  1
;    53          0052  1 !
;    54          0053  1 ! TABLE OF CONTENTS:
;    55          0054  1 !
;    56          0055  1
;    57          0056  1 FORWARD ROUTINE
;    58          0057  1         NCP$OPENSHO : NOVALUE,          ! Open the show/list output file
;    59          0058  1         NCP$WRITESHO : NOVALUE,         ! Write a record to it
;    60          0059  1         NCP$CLOSESHO : NOVALUE          ! Close the file
;    61          0060  1         ;                 !
;    62          0061  1
;    63          0062  1 !
;    64          0063  1 ! INCLUDE FILES:
;    65          0064  1 !
;    66          0065  1
;    67          0066  1 LIBRARY 'SYS$LIBRARY:STARLET.L32';
;    68          0067  1 LIBRARY 'OBJ$:NCPLIBRY.L32';
;    69          0068  1
;    70          0069  1 !
;    71          0070  1 ! MACROS:
;    72          0071  1 !
;    73          0072  1
;    74          0073  1 !
;    75          0074  1 ! EQUATED SYMBOLS:
;    76          0075  1 !
;    77          0076  1
;    78          0077  1 !
;    79          0078  1 ! OWN STORAGE:
;    80          0079  1 !
;    81          0080  1
;    82          0081  1 OWN
;    83          0082  1         SHOOUTFAB : $FAB (),            ! Output FAB
;    84          0083  1
;    85          0084  1         SHOOUTRAB : $RAB ()             ! Output RAB
;    86          0085  1         ;
;    87          0086  1
;    88          0087  1 !
;    89          0088  1 ! EXTERNAL REFERENCES:
;    90          0089  1 !
;    91          0090  1
;    92          0091  1 EXTERNAL LITERAL
;    93          0092  1         NCP$_SHOFIL,                    ! File open error
;    94          0093  1         NCP$_SHOIO                      ! I/O error
;    95          0094  1         ;               !
```

```
;    97          0095  1 %SBTTL  'NCP$OPENSHO  Open Output File'
;    98          0096  1 GLOBAL ROUTINE NCP$OPENSHO :NOVALUE =   !
;    99          0097  1
;   100          0098  1 !++
;   101          0099  1 ! FUNCTIONAL DESCRIPTION:
;   102          0100  1 !
;   103          0101  1 !       Open the output file and connect the RAB.  If the TO parameter
;   104          0102  1 !       has not been specified, use SYS$OUTPUT as the file.
;   105          0103  1 !
;   106          0104  1 ! FORMAL PARAMETERS:
;   107          0105  1 !
;   108          0106  1 !       NONE
;   109          0107  1 !
;   110          0108  1 ! IMPLICIT INPUTS:
;   111          0109  1 !
;   112          0110  1 !       NONE
;   113          0111  1 !
;   114          0112  1 ! IMPLICIT OUTPUTS:
;   115          0113  1 !
;   116          0114  1 !       NONE
;   117          0115  1 !
;   118          0116  1 ! ROUTINE VALUE:
;   119          0117  1 ! COMPLETION CODES:
;   120          0118  1 !
;   121          0119  1 !       NONE
;   122          0120  1 !
;   123          0121  1 ! SIDE EFFECTS:
;   124          0122  1 !
;   125          0123  1 !       NONE
;   126          0124  1 !
;   127          0125  1 !--
;   128          0126  1
;   129          0127  2     BEGIN
;   130          0128  2
;   131          0129  2     LOCAL
;   132          0130  2         STATUS                          ! Status return value
;   133          0131  2         ;
;   134          0132  2
;   135          0133  2     EXTERNAL
;   136          0134  2         PDB$G_INF_TO : BBLOCK           ! Filespec for output file
;   137          0135  2         ;
;   138          0136  2
;   139        P 0137  2     $FAB_INIT
;   140        P 0138  2         (
;   141        P 0139  2         FAB = SHOOUTFAB,
;   142        P 0140  2         RAT = (CR),                     ! Implied carriage control
;   143        P 0141  2         FAC = PUT,                      ! Using put
;   144        P 0142  2         DNM = '.LIS',                   ! Default filename
;   145        P 0143  2         ORG = SEQ,                      ! Sequential org
;   146        P 0144  2         FOP = (CIF,MXV,TEF)             ! Create if, maximize versions,
;   147        P 0145  2                                         ! Truncate at eof
;   148          0146  2         );
;   149          0147  2
;   150        P 0148  2     $RAB_INIT
;   151        P 0149  2         (
;   152        P 0150  2         RAB = SHOOUTRAB,
;   153        P 0151  2         RAC = SEQ,
```

```
;  154        P 0152  2          FAB = SHOOUTFAB,
;  155        P 0153  2          ROP = EOF                           ! Position to end of file
;  156          0154  2          );
;  157          0155  2
;  158          0156  2      IF .PDB$G_INF_TO [PDB$B_STS_FLG]        ! Is there a filespec?
;  159          0157  2      THEN
;  160          0158  3          BEGIN                               ! Yes, setup the fab with it
;  161          0159  3          SHOOUTFAB [FAB$L_FNA] = PDB$G_INF_TO [PDB$T_DATA] + 1;
;  162          0160  3          SHOOUTFAB [FAB$B_FNS] = .(PDB$G_INF_TO [PDB$T_DATA]) <0, 8, 0>
;  163          0161  3          END
;  164          0162  2      ELSE
;  165          0163  3          BEGIN                               ! Set the default
;  166          0164  3          SHOOUTFAB [FAB$L_FNA] = UPLIT ('SYS$OUTPUT');
;  167          0165  3          SHOOUTFAB [FAB$B_FNS] = %CHARCOUNT ('SYS$OUTPUT')
;  168          0166  3          END
;  169          0167  2      ;
;  170          0168  2
;  171          0169  2      STATUS = $CREATE (FAB = SHOOUTFAB); ! Create the file
;  172          0170  2
;  173          0171  2      IF NOT .STATUS
;  174          0172  2      THEN                                    ! Signal any status we get
;  175          0173  2          SIGNAL_STOP (NCP$_SHOFIL, 0, .STATUS)
;  176          0174  2      ;
;  177          0175  2
;  178          0176  2      STATUS = $CONNECT (RAB = SHOOUTRAB); ! Connect the stream
;  179          0177  2
;  180          0178  2      IF NOT .STATUS
;  181          0179  2      THEN                                    ! Any signal any status here too
;  182          0180  2          SIGNAL_STOP (NCP$_SHOFIL, 0, .STATUS)
;  183          0181  2      ;
;  184          0182  2
;  185          0183  2      RETURN
;  186          0184  2
;  187          0185  1      END;


                                                        .TITLE  NCPSHOIO I/O Support for Show and List
                                                        .IDENT  \V04-000\

                                                        .PSECT  $PLIT$,NOWRT,NOEXE,2

                                        53  49  4C  2E  00000 P.AAA:  .ASCII  \.LIS\
        00  00  54  55  50  54  55  4F  24  53  59  53  00004 P.AAB:  .ASCII  \SYS$OUTPUT\<0><0>

                                                        .PSECT  $OWN$,NOEXE,2

                                            03  00000 SHOOUTFAB:
                                                        .BYTE   3
                                            50  00001           .BYTE   80
                                          0000  00002           .WORD   0
                                    00000000  00004           .LONG   0
                                    00000000  00008           .LONG   0
                                    00000000  0000C           .LONG   0
                                    00000000  00010           .LONG   0
                                          0000  00014           .WORD   0
                                            02  00016           .BYTE   2
                                            00  00017           .BYTE   0
```

```
00000000  00018          .LONG   0
       00  0001C          .BYTE   0
       00  0001D          .BYTE   0
       00  0001E          .BYTE   0
       02  0001F          .BYTE   2
00000000  00020          .LONG   0
00000000  00024          .LONG   0
00000000  00028          .LONG   0
00000000  0002C          .LONG   0
00000000  00030          .LONG   0
       00  00034          .BYTE   0
       00  00035          .BYTE   0
     0000  00036          .WORD   0
00000000  00038          .LONG   0
     0000  0003C          .WORD   0
       00  0003E          .BYTE   0
       00  0003F          .BYTE   0
00000000  00040          .LONG   0
00000000  00044          .LONG   0
     0000  00048          .WORD   0
       00  0004A          .BYTE   0
       00  0004B          .BYTE   0
00000000  0004C          .LONG   0
       01  00050 SHOOUTRAB:
                          .BYTE   1
       44  00051          .BYTE   68
     0000  00052          .WORD   0
00000000  00054          .LONG   0
00000000  00058          .LONG   0
00000000  0005C          .LONG   0
     0000# 00060          .WORD   0[3]
     0000  00066          .WORD   0
00000000  00068          .LONG   0
     0000  0006C          .WORD   0
       00  0006E          .BYTE   0
       00  0006F          .BYTE   0
     0000  00070          .WORD   0
     0000  00072          .WORD   0
00000000  00074          .LONG   0
00000000  00078          .LONG   0
00000000  0007C          .LONG   0
00000000  00080          .LONG   0
       00  00084          .BYTE   0
       00  00085          .BYTE   0
       00  00086          .BYTE   0
       00  00087          .BYTE   0
00000000  00088          .LONG   0
00000000  0008C          .LONG   0
00000000  00090          .LONG   0

                $RMS_PTR=           SHOOUTFAB
                $RMS_PTR=           SHOOUTRAB
                        .EXTRN  NCP$_SHOFIL, NCP$_SHOIO
                        .EXTRN  PDB$G_INF_TO, SYS$CREATE
                        .EXTRN  SYS$CONNECT

                        .PSECT  $CODE$,NOWRT,2
```

```
                                                 03FC 00000          .ENTRY  NCP$OPENSHO, Save R2,R3,R4,R5,R6,R7,R8,R9    ; 0096
                                          59 00000000G   00   9E 00002      MOVAB   LIB$STOP, R9
                                          58 00000000G   8F   D0 00009      MOVL    #NCP$_SHOFIL, R8
                                          57 00000000G   00   9E 00010      MOVAB   PDB$G_INF_TO, R7
                                          56 00000000'   00   9E 00017      MOVAB   $RMS_PTR, R6
    0050  8F              00                    6E        00   2C 0001E      MOVC5   #0, (SP), #0, #80, $RMS_PTR          ; 0146
                                                          66        00025
                                             66    5003   8F   B0 00026      MOVW    #20483, $RMS_PTR
                                       04    A6 12000002   8F   D0 0002B      MOVL    #301989890, $RMS_PTR+4
                                       16    A6            01   90 00033      MOVB    #1, $RMS_PTR+22
                                       1D    A6      0200  8F   B0 00037      MOVW    #512, $RMS_PTR+29
                                       1F    A6            02   90 0003D      MOVB    #2, $RMS_PTR+31
                                       30    A6 00000000'  00   9E 00041      MOVAB   P.AAA, $RMS_PTR+48
                                       35    A6            04   90 00049      MOVB    #4, $RMS_PTR+53
    0044  8F              00                    6E        00   2C 0004D      MOVC5   #0, (SP), #0, #68, $RMS_PTR          ; 0154
                                                      50    A6        00054
                                       50    A6      4401  8F   B0 00056      MOVW    #17409, $RMS_PTR
                                       54    A6      0100  8F   3C 0005C      MOVZWL  #256, $RMS_PTR+4
                                                      6E    A6   94 00062      CLRB    $RMS_PTR+30
                                    008C    C6            66   9E 00065      MOVAB   SHOOUTFAB, $RMS_PTR+60
                                            0C            67   E9 0006A      BLBC    PDB$G_INF_TO, 1$                     ; 0156
                                       2C    A6        02  A7   9E 0006D      MOVAB   PDB$G_INF_TO+2, SHOOUTFAB+44         ; 0159
                                       34    A6        01  A7   90 00072      MOVB    PDB$G_INF_TO+1, SHOOUTFAB+52         ; 0160
                                                          0C   11 00077      BRB     2$
                                       2C    A6 00000000'  00   9E 00079 1$:  MOVAB   P.AAB, SHOOUTFAB+44                ; 0164
                                       34    A6            0A   90 00081      MOVB    #10, SHOOUTFAB+52                    ; 0165
                                                          56   DD 00085 2$:  PUSHL   R6                                  ; 0169
                                 00000000G    00            01   FB 00087      CALLS   #1, SYS$CREATE
                                             52            50   D0 0008E      MOVL    R0, STATUS
                                             09            52   E8 00091      BLBS    STATUS, 3$                           ; 0171
                                                           52   DD 00094      PUSHL   STATUS                               ; 0173
                                                           7E   D4 00096      CLRL    -(SP)
                                                           58   DD 00098      PUSHL   R8
                                             69            03   FB 0009A      CALLS   #3, LIB$STOP
                                                      50    A6   9F 0009D 3$:  PUSHAB  SHOOUTRAB                           ; 0176
                                 00000000G    00            01   FB 000A0      CALLS   #1, SYS$CONNECT
                                             52            50   D0 000A7      MOVL    R0, STATUS
                                             09            52   E8 000AA      BLBS    STATUS, 4$                           ; 0178
                                                           52   DD 000AD      PUSHL   STATUS                               ; 0180
                                                           7E   D4 000AF      CLRL    -(SP)
                                                           58   DD 000B1      PUSHL   R8
                                             69            03   FB 000B3      CALLS   #3, LIB$STOP
                                                           04   000B6 4$:  RET                                            ; 0185

; Routine Size:  183 bytes,    Routine Base:  $CODE$ + 0000
```

```
;  189          0186  1 %SBTTL  'NCP$WRITESHO  Write a Record'
;  190          0187  1 GLOBAL ROUTINE NCP$WRITESHO (BUFDSC) :NOVALUE = !
;  191          0188  1
;  192          0189  1 !++
;  193          0190  1 ! FUNCTIONAL DESCRIPTION:
;  194          0191  1 !
;  195          0192  1 !       This routine writes a record to the output file for
;  196          0193  1 !       SHOW and LIST.  If an error occurs, the file is closed
;  197          0194  1 !       and the error is signaled.
;  198          0195  1 !
;  199          0196  1 ! FORMAL PARAMETERS:
;  200          0197  1 !
;  201          0198  1 !       BUFDSC          Address of a buffer descriptor of the record
;  202          0199  1 !
;  203          0200  1 ! IMPLICIT INPUTS:
;  204          0201  1 !
;  205          0202  1 !       NONE
;  206          0203  1 !
;  207          0204  1 ! IMPLICIT OUTPUTS:
;  208          0205  1 !
;  209          0206  1 !       NONE
;  210          0207  1 !
;  211          0208  1 ! ROUTINE VALUE:
;  212          0209  1 ! COMPLETION CODES:
;  213          0210  1 !
;  214          0211  1 !       NONE
;  215          0212  1 !
;  216          0213  1 ! SIDE EFFECTS:
;  217          0214  1 !
;  218          0215  1 !       NONE
;  219          0216  1 !
;  220          0217  1 !--
;  221          0218  1
;  222          0219  2     BEGIN
;  223          0220  2
;  224          0221  2     MAP
;  225          0222  2         BUFDSC : REF VECTOR [2]                 ! Output record descriptor
;  226          0223  2         ;
;  227          0224  2
;  228          0225  2     LOCAL
;  229          0226  2         PTR,                                    ! Pointer into buffer
;  230          0227  2         SIZE,                                   ! Size of remaining text
;  231          0228  2         PEREC,                                  ! Pointer to end of record
;  232          0229  2         PEND,                                   ! Pointer to end of buffer
;  233          0230  2         REND,                                   ! Pointer to end of a line
;  234          0231  2         STATUS                                  ! Status return
;  235          0232  2         ;
;  236          0233  2
;  237          0234  2
;  238          0235  2     PTR = CH$PTR (.BUFDSC [1]);                 ! Point into record
;  239          0236  2     SIZE = .BUFDSC [0];                         ! Size of remaining
;  240          0237  2     PEND = .PTR + .SIZE;                        ! Pointer to end
;  241          0238  2
;  242          0239  2     WHILE .SIZE GTR 0                           ! While there is a record
;  243          0240  2     DO
;  244          0241  3         BEGIN
;  245          0242  3         SHOOUTRAB [RAB$L_RBF] = .PTR;           ! The current buffer
```

```
;  246          0243  3          REND = CH$FIND_CH (.SIZE, .PTR, 13);     ! Find the next line
;  247          0244  3          IF NOT CH$FAIL (.REND)                   ! If there was one
;  248          0245  3          THEN
;  249          0246  4              BEGIN                                ! Set to write the line
;  250          0247  4              SHOOUTRAB [RAB$W_RSZ] = .REND - .PTR; ! Its size
;  251          0248  4              PTR = .REND + 2;                     ! Point beyond it
;  252          0249  4              SIZE = .PEND - .PTR                  ! Size of remaining text
;  253          0250  4              END
;  254          0251  3          ELSE
;  255          0252  4              BEGIN                                ! The whole buffer
;  256          0253  4              SHOOUTRAB [RAB$W_RSZ] = .SIZE;
;  257          0254  4              SIZE = 0                             ! No more left
;  258          0255  4              END
;  259          0256  3          ;
;  260          0257  3
;  261          0258  3      !
;  262          0259  3      !   Remove trailing spaces from record
;  263          0260  3      !
;  264          0261  3
;  265          0262  3          PEREC = .SHOOUTRAB [RAB$L_RBF] + .SHOOUTRAB [RAB$W_RSZ];
;  266          0263  3          WHILE CH$RCHAR (.PEREC - 1) EQL ' '
;  267          0264  3          DO
;  268          0265  3              PEREC = .PEREC - 1
;  269          0266  3          ;
;  270          0267  3
;  271          0268  3          SHOOUTRAB [RAB$W_RSZ] = MAX (1, .PEREC - .SHOOUTRAB [RAB$L_RBF] );
;  272          0269  3
;  273          0270  3          STATUS = $PUT (RAB = SHOOUTRAB);         ! Put the record
;  274          0271  3
;  275          0272  3          IF NOT .STATUS
;  276          0273  3          THEN                                     ! If error, close file and
;  277          0274  4              BEGIN                                ! signal status
;  278          0275  4              NCP$CLOSESHO ();
;  279          0276  4              SIGNAL_STOP (NCP$_SHOIO, 0, .STATUS)
;  280          0277  4              END
;  281          0278  3          END
;  282          0279  2      ;
;  283          0280  2
;  284          0281  2      RETURN
;  285          0282  2
;  286          0283  1      END;


                                                .EXTRN  SYS$PUT

                                  01FC 00000    .ENTRY  NCP$WRITESHO, Save R2,R3,R4,R5,R6,R7,R8      ; 0187
                58 00000000'   00   9E 00002    MOVAB   SHOOUTRAB+34, R8                            ;
                50         04  AC   D0 00009    MOVL    BUFDSC, R0                                  ; 0235
                53             60   7D 0000D    MOVQ    (R0), SIZE                                  ; 0236
          57    54             53   C1 00010    ADDL3   SIZE, PTR, PEND                             ; 0237
                               53   D5 00014 1$: TSTL    SIZE                                        ; 0239
                               6E   15 00016    BLEQ    8$                                          ;
          06    A8             54   D0 00018    MOVL    PTR, SHOOUTRAB+40                           ; 0242
          64    53             0D   3A 0001C    LOCC    #13, SIZE, (PTR)                            ; 0243
                               02   12 00020    BNEQ    2$                                          ;
                               51   D4 00022    CLRL    R1                                          ;
```

```
                                55              51  D0 00024 2$:    MOVL    R1, REND                        ;
                                                0E  13 00027        BEQL    3$                              ; 0244
                            68  55              54  A3 00029        SUBW3   PTR, REND, SHOOUTRAB+34         ; 0247
                                54          02  A5  9E 0002D       MOVAB   2(R5), PTR                      ; 0248
                            53  57              54  C3 00031        SUBL3   PTR, PEND, SIZE                 ; 0249
                                                05  11 00035        BRB     4$                              ;
                                68              53  B0 00037 3$:    MOVW    SIZE, SHOOUTRAB+34              ; 0253
                                                53  D4 0003A        CLRL    SIZE                            ; 0254
                                50          06  A8  D0 0003C 4$:    MOVL    SHOOUTRAB+40, R0                ; 0262
                                52              68  3C 00040        MOVZWL  SHOOUTRAB+34, PEREC             ;
                                52              50  C0 00043        ADDL2   R0, PEREC                       ;
                                20          FF  A2  91 00046 5$:    CMPB    -1(PEREC), #32                  ; 0263
                                                04  12 0004A        BNEQ    6$                              ;
                                                52  D7 0004C        DECL    PEREC                           ; 0265
                                                F6  11 0004E        BRB     5$                              ;
                            50  52              50  C3 00050 6$:    SUBL3   R0, PEREC, R0                   ; 0268
                                                03  14 00054        BGTR    7$                              ;
                                50              01  D0 00056        MOVL    #1, R0                          ;
                                68              50  B0 00059 7$:    MOVW    R0, SHOOUTRAB+34                ;
                                           DE   A8  9F 0005C        PUSHAB  SHOOUTRAB                       ; 0270
                   00000000G    00              01  FB 0005F        CALLS   #1, SYS$PUT                     ;
                                56              50  D0 00066        MOVL    R0, STATUS                      ;
                                A8              56  E8 00069        BLBS    STATUS, 1$                      ; 0272
                   00000000V    00              00  FB 0006C        CALLS   #0, NCP$CLOSESHO                ; 0275
                                                56  DD 00073        PUSHL   STATUS                          ; 0276
                                                7E  D4 00075        CLRL    -(SP)                           ;
                                    00000000G   8F  DD 00077        PUSHL   #NCP$_SHOIO                     ;
                   00000000G    00              03  FB 0007D        CALLS   #3, LIB$STOP                    ;
                                                8E  11 00084        BRB     1$                              ; 0272
                                                    04 00086 8$:    RET                                     ; 0283

; Routine Size:  135 bytes,    Routine Base:  $CODE$ + 00B7
```

```
;  288          0284  1 %SBTTL  'NCP$CLOSESHO  Close Output File'
;  289          0285  1 GLOBAL ROUTINE NCP$CLOSESHO :NOVALUE =  !
;  290          0286  1 !++
;  291          0287  1 ! FUNCTIONAL DESCRIPTION:
;  292          0288  1 !
;  293          0289  1 !       Close the output file
;  294          0290  1 !
;  295          0291  1 ! FORMAL PARAMETERS:
;  296          0292  1 !
;  297          0293  1 !       NONE
;  298          0294  1 !
;  299          0295  1 ! IMPLICIT INPUTS:
;  300          0296  1 !
;  301          0297  1 !       NONE
;  302          0298  1 !
;  303          0299  1 ! IMPLICIT OUTPUTS:
;  304          0300  1 !
;  305          0301  1 !       NONE
;  306          0302  1 !
;  307          0303  1 ! ROUTINE VALUE:
;  308          0304  1 ! COMPLETION CODES:
;  309          0305  1 !
;  310          0306  1 !       NONE
;  311          0307  1 !
;  312          0308  1 ! SIDE EFFECTS:
;  313          0309  1 !
;  314          0310  1 !       NONE
;  315          0311  1 !
;  316          0312  1 !--
;  317          0313  1
;  318          0314  2     BEGIN
;  319          0315  2
;  320          0316  2     $CLOSE (FAB = SHOOUTFAB);           ! Ignore any errors
;  321          0317  2
;  322          0318  2     RETURN
;  323          0319  2
;  324          0320  1     END;


                                                                .EXTRN  SYS$CLOSE

                                                  0000 00000    .ENTRY  NCP$CLOSESHO, Save nothing                      ; 0285
                                 00000000'  00    9F 00002    PUSHAB  SHOOUTFAB                                       ; 0316
                    00000000G    00           01  FB 00008    CALLS   #1, SYS$CLOSE                                   ;
                                                  04 0000F    RET                                                     ; 0320

; Routine Size:  16 bytes,    Routine Base:  $CODE$ + 013E
```

```
;  326          0321  1 END                           !End of module
;  327          0322  0 ELUDOM


                                                    .EXTRN  LIB$STOP

;                                PSECT SUMMARY

;       Name                    Bytes                           Attributes

;  $OWN$                          148  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $PLIT$                          16  NOVEC,NOWRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $CODE$                         334  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        81         0         581        00:01.0
;  _$255$DUA28:[NCP.OBJ]NCPLIBRY.L32;1      373         3         0          52        00:00.3


;                                    COMMAND QUALIFIERS

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

; Size:          334 code + 164 data bytes
; Run Time:          00:10.8
; Elapsed Time:      00:39.9
; Lines/CPU Min:      1788
; Lexemes/CPU-Min:  34938
; Memory Used:  118 pages
; Compilation Complete
```

0268 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

NCPPRSACT
LIS

NCPSHOLIS
LIS

NCPSHOIO
LIS

NCPPDBS
LIS