```
RRRRRRRRRRRR     MMM         MMM     SSSSSSSSSSSS
RRRRRRRRRRRR     MMM         MMM     SSSSSSSSSSSS
RRRRRRRRRRRR     MMM         MMM     SSSSSSSSSSSS
RRR         RRR  MMMMMM   MMMMMM  SSS
RRR         RRR  MMMMMM   MMMMMM  SSS
RRR         RRR  MMMMMM   MMMMMM  SSS
RRR         RRR  MMM   MMM   MMM  SSS
RRR         RRR  MMM   MMM   MMM  SSS
RRR         RRR  MMM   MMM   MMM  SSS
RRRRRRRRRRRR     MMM         MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM         MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM         MMM     SSSSSSSSS
RRR   RRR        MMM         MMM              SSS
RRR   RRR        MMM         MMM              SSS
RRR   RRR        MMM         MMM              SSS
RRR      RRR     MMM         MMM              SSS
RRR      RRR     MMM         MMM              SSS
RRR      RRR     MMM         MMM              SSS
RRR         RRR  MMM         MMM  SSSSSSSSSSSS
RRR         RRR  MMM         MMM  SSSSSSSSSSSS
RRR         RRR  MMM         MMM  SSSSSSSSSSSS
```

```
**FILE**ID**NTODISPLY                                L 9                                                                NT
                                                                                                                      VO
```

```
NN      NN  TTTTTTTTTT    000000    DDDDDDDD      IIIIII      SSSSSSSS  PPPPPPPP    LL          YY      YY
NN      NN  TTTTTTTTTT    000000    DDDDDDDD      IIIIII      SSSSSSSS  PPPPPPPP    LL          YY      YY
NN      NN      TT      00      00  DD      DD      II      SS          PP      PP  LL          YY      YY
NN      NN      TT      00      00  DD      DD      II      SS          PP      PP  LL          YY      YY
NNNN    NN      TT      00    0000  DD      DD      II      SS          PP      PP  LL            YY  YY
NNNN    NN      TT      00    0000  DD      DD      II      SS          PP      PP  LL            YY  YY
NN  NN  NN      TT      00  00  00  DD      DD      II        SSSSSS    PPPPPPPP    LL              YY
NN  NN  NN      TT      00  00  00  DD      DD      II        SSSSSS    PPPPPPPP    LL              YY
NN    NNNN      TT      0000    00  DD      DD      II              SS  PP          LL              YY
NN    NNNN      TT      0000    00  DD      DD      II              SS  PP          LL              YY
NN      NN      TT      00      00  DD      DD      II              SS  PP          LL              YY           ....
NN      NN      TT      00      00  DD      DD      II              SS  PP          LL              YY           ....
NN      NN      TT        000000    DDDDDDDD      IIIIII    SSSSSSSS    PP          LLLLLLLLLL      YY           ....
NN      NN      TT        000000    DDDDDDDD      IIIIII    SSSSSSSS    PP          LLLLLLLLLL      YY           ....

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
```

Table of contents

```
0000            $BEGIN  NTODISPLY,000,NF$NETWORK,<NETWORK DISPLAY>
0000
0000
0000    ;
0000    ;*****************************************************************************
0000    ;*                                                                           *
0000    ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
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0000    ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    ;*                                                                           *
0000    ;*                                                                           *
0000    ;*****************************************************************************
0000    ;
0000
0000    ;++
0000    ; Facility: RMS
0000    ;
0000    ; Abstract:
0000    ;
0000    ;       This module communicates witn the file access listener at the remote
0000    ;       node to display attributes of the specified file.
0000    ;
0000    ; Environment: VAX/VMS, executive mode
0000    ;
0000    ; Author: James A. Krycka,      Creation Date:  01-JUN-1981
0000    ;
0000    ; Modified By:
0000    ;
0000    ;       V03-003 JAK0134         J A Krycka      04-MAR-1984
0000    ;               Correction to V03-001 to properly handle the receipt of a DAP
0000    ;               Attributes message without a Name message in the sequence.
0000    ;
0000    ;       V03-002 JAK0130         J A Krycka      06-JAN-1984
0000    ;               Return alternate success of RMS$_OK_NOP if remote system does
0000    ;               not support the DAP DISPLAY function instead of an RMS$_SUPPORT
0000    ;               error.
0000    ;
0000    ;       V03-001 KRM0094         K Malik         29-MAR-1983
0000    ;               Request Resultant Name message and fill in user Name block
0000    ;               (if appropriate).
0000    ;
0000    ;       V02-003 JAK0066         J A Krycka      07-OCT-1981
0000    ;               Reject $DISPLAY request while in file transfer mode.
```

```
                          0000     58 ;
                          0000     59 ;       V02-002 JAK0063         J A Krycka      17-AUG-1981
                          0000     60 ;               Add support for the Revision Date and Time XAB.
                          0000     61 ;
                          0000     62 ;--
```

```
0000            .SBTTL  DECLARATIONS
0000
0000    ;
0000    ; Include Files:
0000    ;
0000
0000            $DAPPLGDEF                              ; Define DAP prologue symbols
0000            $DAPHDRDEF                              ; Define DAP message header
0000            $DAPCNFDEF                              ; Define DAP Configuration message
0000            $DAPACCDEF                              ; Define DAP Access message
0000            $DAPCTLDEF                              ; Define DAP Control message
0000            $IFBDEF                                 ; Define IFAB symbols
0000            $NWADEF                                 ; Define Network Work Area symbols
0000
0000    ;
0000    ; Macros:
0000    ;
0000    ;       None
0000    ;
0000    ; Equated Symbols:
0000    ;
0000
0000            ASSUME  DAP$Q_DCODE_FLG EQ 0
0000
0000    ;
0000    ; Own Storage:
0000    ;
0000    ;       None
0000    ;
```

```
                     0000                .SBTTL  NT$DISPLAY - PERFORM NETWORK DISPLAY FUNCTION
                     0000
                     0000         ;++
                     0000         ; NT$DISPLAY - engages in a DAP dialogue with the remote FAL to display
                     0000         ;         attributes of the specified file according to the XABs chained to the
                     0000         ;         FAB.
                     0000         ;
                     0000         ; Calling Sequence:
                     0000         ;
                     0000         ;         BSBW    NT$DISPLAY
                     0000         ;
                     0000         ; Input Parameters:
                     0000         ;
                     0000         ;         R8      FAB address
                     0000         ;         R9      IFAB address
                     0000         ;         R10     IFAB address
                     0000         ;         R11     Impure Area address
                     0000         ;
                     0000         ; Implicit Inputs:
                     0000         ;
                     0000         ;         User FAB
                     0000         ;         DAP$Q_SYSCAP
                     0000         ;         NWA$V_FTM_RETRV
                     0000         ;         NWA$V_FTM_STORE
                     0000         ;
                     0000         ; Output Parameters:
                     0000         ;
                     0000         ;         R0      Status code (RMS)
                     0000         ;         R1-R7   Destroyed
                     0000         ;         AP      Destroyed
                     0000         ;
                     0000         ; Implicit Outputs:
                     0000         ;
                     0000         ;         User ALL, DAT, FHC, KEY, PRO, RDT, SUM XABs
                     0000         ;         User NAM (resultant name string)
                     0000         ;
                     0000         ; Completion Codes:
                     0000         ;
                     0000         ;         Standard RMS completion codes
                     0000         ;
                     0000         ; Side Effects:
                     0000         ;
                     0000         ;         None
                     0000         ;
                     0000         ;--
                     000C
                     0000        NT$DISPLAY::                                      ; Entry point
                     0000                $TSTPT  NTDISPLAY                          ;
57   3C A9     D0    0006                MOVL    IFB$L_NWA_PTR(R9),R7               ; Get address of NWA (and DAP)
        11     E1    000A                BBC     #DAP$V_DISPLAY,-                   ; Branch if remote FAL does not support
  10 28 A7           000C                        DAP$Q_SYSCAP(R7),ALTSUC            ;  display attributes function
 67     1A     E0    000F                BBS     #NWA$V_FTM_RETRV,(R7),-            ; Branch if file transfer mode retrieval
        06           0012                        ERRFTM                             ;  in progress
 67     1B     E0    0013                BBS     #NWA$v_FTM_STORE,(R7),-            ; Branch if file transfer mode storage
        02           0016                        ERRFTM                             ;  in progress
        0C     11    0017                BRB     BUILD_MASK                         ; Proceed
                     0019        ERRFTM: RMSERR  FTM                                ; Declare file transfer mode error
```

```
                 05  001E          RSB                            ; Exit with RMS code in R0
                     001F  ALTSUC: RMSERR  OK_NOP                 ; Return alternate success code
                 05  0024          RSB                            ; Exit with RMS code in R0
                     0025
                     0025  ;+
                     0025  ; Build display field request mask which will be used in the Control message
                     0025  ; to request that optional DAP messages be returned by FAL. For $DISPLAY these
                     0025  ; are the ATT, ALL, KEY, PRO, SUM, and TIM messages. (Note that the Attributes
                     0025  ; message will supply information to update the FHCXAB).
                     0025  ;
                     0025  ;-
                     0025
                     0025  BUILD_MASK:                            ; Build NWA$W_DISPLAY
            56   D4  0025          CLRL    R6                     ; Indicate this is not a close operation
         FFD6'   30  0027          BSBW    NT$SCAN_XABCHN         ; Scan user XAB chain and check FAL's
                     002A                                         ;  capabilities; request mask put in R2
         03 50   E8  002A          BLBS    R0,5$                  ; Branch on success
          0085   31  002D          BRW     FAIL                   ; Branch (failed to complete scan)
 20   00C6 C7    91  0030  5$:     CMPB    NWA$B_ORG(R7),#NWA$K_IDX; Branch if IDX organization
            03   13  0035          BEQL    10$                    ;
 52         0A   AA  0037          BICW2   #<<DAP$M_DSP_SUM>!-    ; Ignore these XABs in chain
                     003A                <DAP$M_DSP_KEY>!-        ;
                     003A              0>,R2                      ;
         FFC3'   30  003A  10$:    BSBW    NT$SCAN_NAMBLK         ; Scan user NAM block and check
         75 50   E9  003D          BLBC    R0,FAIL                ;  FAL's capabilities; update
                     0040                                         ;  request mask
 00D0 C7    52   B0  0040          MOVW    R2,NWA$W_DISPLAY(R7)   ; Save request mask
            6B   13  0045          BEQL    SUC                    ; Exit if there are no XABs to fill
                     0047
                     0047  ;+
                     0047  ; Build and send DAP Control message to partner.
                     0047  ;-
                     0047
                     0047  SEND_CTL:                              ; (required message sequence)
                     0047          $SETBIT #NWA$V_LAST_MSG,(R7)   ; Declare this last message to block
       50   04   D0  004B          MOVL    #DAP$K_CTL_MSG,R0      ; Get message type value
         FFAF'   30  004E          BSBW    NT$BUILD_HEAD          ; Construct message header
       85   10   90  0051          MOVB    #DAP$K_DISPLAY,(R5)+   ; Store CTLFUNC field
       85   20   90  0054          MOVB    #DAP$M_DISPLAY2,(R5)+  ; Store CTLMENU field
 51   00D0 C7    3C  0057          MOVZWL  NWA$W_DISPLAY(R7),R1   ; Get request mask
         FFA1'   30  005C          BSBW    NT$CVT_BN4_EXT         ; Store DISPLAY as an extensible field
         FF9E'   30  005F          BSBW    NT$BUILD_TAIL          ; Finish building message
         FF9B'   30  0062          BSBW    NT$TRANSMIT            ; Send Control message to FAL
         4D 50   E9  0065          BLBC    R0,FAIL                ; Branch on failure
                     0068
                     0068  ;+
                     0068  ; Receive DAP Attributes message from partner and update the user FHCXAB.
                     0068  ;-
                     0068
                     0068  RECV_ATT:                              ; (optional--must be requested)
            00   E1  0068          BBC     #DAP$V_DSP_ATT,-       ; Branch if Attributes message was not
       00D0 C7       006A                  NWA$W_DISPLAY(R7),-    ;  requested
            0E       006D                  RECV_EXT_ATT           ;
                     006E          $SETBIT #DAP$K_ATT_MSG,DAP$L_MSG_MASK(R7)
                     0073                                         ; Expect response of Attributes message
         FF8A'   30  0073          BSBW    NT$RECEIVE             ; Get reply from FAL
         3C 50   E9  0076          BLBC    R0,FAIL                ; Branch on failure
         FF84'  30  0079              BSBW    NT$UPDATE_FHC           ; Update user FHCXAB
                    007C
                    007C      ;+
                    007C      ; Receive DAP Extended Attributes messages from partner and update the user
                    007C      ; ALL, DAT, KEY, PRO, RDT, and SUM XABs.
                    007C      ;-
                    007C
                    007C      RECV_EXT_ATT:                           ; (optional--must be requested)
         FF81'  30  007C              BSBW    NT$RECV_EXT_ATT         ; Process Extended Attributes messages
         33 50  E9  007F              BLBC    R0,FAIL                 ; Branch on failure
                    0082
                    0082      ;+
                    0082      ; Receive DAP Resultant Name message from partner.
                    0082      ;-
                    0082
                    0082      RECV_NAME:                              ; (optional--must be requested)
            08  E1  0082              BBC     #DAP$V_DSP_NAM,-        ; Branch if Name message was not
       00D0 C7      0084                      NWA$W_DISPLAY(R7),-     ;  requested
            1F      0087                      RECV_ACK                ;
                    0088              $SETBIT #DAP$K_NAM_MSG,DAP$L_MSG_MASK(R7)
                    008D                                              ; Expect response of Name message
         FF70'  30  008D              BSBW    NT$RECEIVE              ; Get reply from FAL
         22 50  E9  0090              BLBC    R0,FAIL                 ; Branch on failure
   5A    38 A9  D0  0093              MOVL    IFB$L_FWA_PTR(R9),R10   ; Get FWA address (NT$DECODE_NAM needs
         FF66'  30  0097              BSBW    NT$DECODE_NAM           ;  it) & process resultant name string
         FF63'  30  009A              BSBW    RMS$FILLNAM             ; Fill in user NAM block (destroys R7)
         15 50  E9  009D              BLBC    R0,FAIL                 ; Branch on failure
   57    3C A9  D0  00A0              MOVL    IFB$L_NWA_PTR(R9),R7    ; Restore NWA address
    5A      59  D0  00A4              MOVL    R9,R10                  ; Restore IFAB address
                    00A7
                    00A7      ;+
                    00A7      ; Receive DAP Acknowledge message from partner.
                    00A7      ;-
                    00A7
                    00A7      RECV_ACK:                               ; (required message)
                    00A7              $SETBIT #DAP$K_ACK_MSG,DAP$L_MSG_MASK(R7)
                    00AC                                              ; Expect response of Acknowledge message
         FF51'  30  00AC              BSBW    NT$RECEIVE              ; Get reply from FAL
         03 50  E9  00AF              BLBC    R0,FAIL                 ; Branch on failure
                    00B2      SUC:    RMSSUC                          ; Return success
                05  00B5      FAIL:   RSB                             ; Exit with RMS code in R0
                    00B6
                    00B6              .END                            ; End of module
```

```
$$.PSECT_EP                = 00000000                DAP$M_TMP1$                = 00000008
$$RMSTEST                  = 0000001A                DAP$M_TMP2$                = FFF80000
$$RMS_PBUGCHK              = 00000010                DAP$Q_DCODE_FLG              00000000
$$RMS_TBUGCHK              = 00000008                DAP$Q_FILESPEC               00000044
$$RMS_UMODE                = 00000004                DAP$Q_KEY                    00000048
ALTSUC                       0000001F R      01      DAP$Q_MSG_BUF1               00000008
BUILD_MASK                   00000025 R      01      DAP$Q_MSG_BUF2               00000010
DAP$B_ACCFUNC                00000040                DAP$Q_PASSWORD               00000050
DAP$B_ACCOPT                 00000041                DAP$Q_SYSCAP                 00000028
DAP$B_BITCNT                 00000035                DAP$Q_SYSPEC                 00000038
DAP$B_BLKCNT                 00000056                DAP$V_DISPLAY              = 00000011
DAP$B_CTLFUNC                00000040                DAP$V_DSP_ATT              = 00000000
DAP$B_DCODE_FID              00000019                DAP$V_DSP_NAM              = 00000008
DAP$B_DCODE_MAC              0000001B                DAP$W_BUFSIZ                 00000040
DAP$B_DCODE_MSG              0000001A                DAP$W_CTLMENU                00000044
DAP$B_DECVER                 00000047                DAP$W_DISPLAY1               0000004C
DAP$B_ECONUM                 00000045                DAP$W_DISPLAY2               00000054
DAP$B_FAC                    00000042                DAP$W_PARTNER                00000006
DAP$B_FILESYS                00000043                DAP$W_VERSION                00000004
DAP$B_FLAGS                  00000031                ERRFTM                       00000019 R      01
DAP$B_KRF                    00000047                FAIL                         000000B5 R      01
DAP$B_LEN256                 00000034                IFB$L_FWA_PTR              = 00000038
DAP$B_LENGTH                 00000033                IFB$L_NWA_PTR              = 0000003C
DAP$B_OSTYPE                 00000042                NT$BUILD_HEAD                ********   X    01
DAP$B_RAC                    00000046                NT$BUILD_TAIL                ********   X    01
DAP$B_SHR                    00000043                NT$CVT_BN4_EXT               ********   X    01
DAP$B_STREAMID               00000032                NT$DECODE_NAM                ********   X    01
DAP$B_TYPE                   00000030                NT$DISPLAY                   00000000 RG     01
DAP$B_USRNUM                 00000046                NT$RECEIVE                   ********   X    01
DAP$B_USRVER                 00000048                NT$RECV_EXT_ATT              ********   X    01
DAP$B_VERNUM                 00000044                NT$SCAN_NAMBLK               ********   X    01
DAP$B_X_FIELD                00000024                NT$SCAN_XABCHN               ********   X    01
DAP$C_BLN                    000000C0                NT$TRANSMIT                  ********   X    01
DAP$K_ACK_MSG              = 00000006                NT$UPDATE_FHC                ********   X    01
DAP$K_ATT_MSG              = 00000002                NWA$B_ALLXABCNT              0000011C
DAP$K_BLN                    000000C0                NWA$B_DAP_RAC                000000C9
DAP$K_CTL_MSG              = 00000004                NWA$B_FILESYS                000000C5
DAP$K_DISPLAY              = 00000010                NWA$B_KEYXABCNT              0000011D
DAP$K_NAM_MSG              = 0000000F                NWA$B_NETSTRSIZ              0000016F
DAP$K_SEQ_ACC              = 00000000                NWA$B_NODBUFSIZ              00000168
DAP$L_CMWA                   00000030                NWA$B_ORG                    000000C6
DAP$L_CRC_RSLT               00000020                NWA$B_OSTYPE                 000000C4
DAP$L_DCODE_STS              00000018                NWA$B_RFM                    000000C7
DAP$L_MSG_MASK               0000001C                NWA$B_RMS_RAC                000000C8
DAP$L_ROP                    00000050                NWA$C_BLN                    00000800
DAP$L_SSPWA                  00000080                NWA$K_BLN                    00000800
DAP$L_TEMP                   00000090                NWA$K_IDX                  = 00000020
DAP$M_BITCNT               = 00000008                NWA$L_ALLXABADR              00000100
DAP$M_BLKCNT               = 00000040                NWA$L_DATXABADR              00000104
DAP$M_DISPLAY2             = 00000020                NWA$L_DEV                    000000C0
DAP$M_DSP_3NAM             = 00000200                NWA$L_FHCXABADR              00000108
DAP$M_DSP_KEY              = 00000002                NWA$L_KEYXABADR              0000010C
DAP$M_DSP_SUM              = 00000008                NWA$L_MSG_MASK               000000D4
DAP$M_GET                  = 00000002                NWA$L_PROXABADR              00000110
DAP$M_GO_NOGO              = 00000010                NWA$L_RDTXABADR              00000114
DAP$M_MSE                  = 00000010                NWA$L_SAVE_FLGS              00000128
DAP$M_SEGMENT              = 00000040                NWA$L_SUMXABADR              00000118
```

```
NWA$L_THREAD                      000000FC
NWA$L_XLTATTR                     00000238
NWA$L_XLTBUFFLG                   0000022C
NWA$L_XLTCNT                      00000228
NWA$L_XLTMAXINDX                  00000234
NWA$L_XLTSIZ                      00000230
NWA$Q_ACS                         00000244
NWA$Q_BIGBUF                      00000170
NWA$Q_BLD                         000000F0
NWA$Q_FLG                         00000000
NWA$Q_INODE                       0000025C
NWA$Q_IOSB                        000000D8
NWA$Q_LNODE                       00000160
NWA$Q_LOGNAME                     0000023C
NWA$Q_NCB                         00000264
NWA$Q_RCV                         000000E0
NWA$Q_SAVE_DESC                   00000120
NWA$Q_XLTBUF1                     0000024C
NWA$Q_XLTBUF2                     00000254
NWA$Q_XMT                         000000E8
NWA$T_ACSBUF                      0000026C
NWA$T_AUXBUF                      000005E0
NWA$T_DAP                         00000000
NWA$T_INODEBUF                    000004AC
NWA$T_ITM_ATTR                    00000200
NWA$T_ITM_END                     00000224
NWA$T_ITM_LST                     00000200
NWA$T_ITM_MAXINDX                 00000218
NWA$T_ITM_STRING                  0000020C
NWA$T_NCBBUF                      0000052C
NWA$T_NODEBUF                     00000169
NWA$T_RCVBUF                      000001A0
NWA$T_SCAN                        00000100
NWA$T_TEMP                        00000120
NWA$T_XLTBUF1                     000002AC
NWA$T_XLTBUF2                     000003AC
NWA$T_XMTBUF                      000003C0
NWA$V_FTM_RETRV                 = 0000001A
NWA$V_FTM_STORE                 = 0000001B
NWA$V_LAST_MSG                  = 00000000
NWA$W_BUILD                       000000D2
NWA$W_DAPBUFSIZ                   000000CA
NWA$W_DIR_OFF                     000000CC
NWA$W_DISPLAY                     000000D0
NWA$W_FIL_OFF                     000000CE
NWA$W_JNLXABJOP                   0000011E
PIO$A_TRACE                       ********    X    01
RECV_ACK                          000000A7 R       01
RECV_ATT                          00000068 R       01
RECV_EXT_ATT                      0000007C R       01
RECV_NAME                         00000082 R       01
RMS$FILLNAM                       ********    X    01
RMS$_FTM                          ********    X    01
RMS$_OK_NOP                       ********    X    01
SEND_CTL                          00000047 R       01
SUC                               00000082 R       01
TPT$L_NTDISPLAY                   ********    X    01
```

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

PSECT name                      Allocation          PSECT No.  Attributes
----------                      ----------          ---------  ----------
.  ABS  .                       00000000  (     0.)  00 (  0.)  NOPIC     USR     CON     ABS     LCL NOSHR NOEXE NORD   NOWRT NOVEC BYTE
NF$NETWORK                      000000B6  (   182.)  01 (  1.)    PIC     USR     CON     REL     GBL NOSHR   EXE   RD   NOWRT NOVEC BYTE
$ABS$                           00000800  (  2048.)  02 (  2.)  NOPIC     USR     CON     ABS     LCL NOSHR   EXE   RD     WRT NOVEC BYTE

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

Phase                     Page faults    CPU Time       Elapsed Time
-----                     -----------    --------       ------------
Initialization                    32    00:00:00.09    00:00:00.96
Command processing               125    00:00:00.60    00:00:03.08
Pass 1                           237    00:00:07.93    00:00:21.49
Symbol table sort                  0    00:00:00.95    00:00:01.29
Pass 2                            59    00:00:01.37    00:00:03.93
Symbol table output               21    00:00:00.16    00:00:00.27
Psect synopsis output              2    00:00:00.02    00:00:00.02
Cross-reference output             0    00:00:00.00    00:00:00.00
Assembler run totals             478    00:00:11.12    00:00:31.08

The working set limit was 1350 pages.
37804 bytes (74 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 665 non-local and 6 local symbols.
250 source lines were read in Pass 1, producing 13 object records in Pass 2.
22 pages of virtual memory were used to define 21 macros.

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

Macro library name                          Macros defined
------------------                          --------------
_$255$DUA28:[RMS.OBJ]RMS.MLB;1                          13
_$255$DUA28:[SYSLIB]STARLET.MLB;2                        4
TOTALS (all libraries)                                  17

895 GETS were required to define 17 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:NTODISPLY/OBJ=OBJ$:NTODISPLY MSRC$:NTODISPLY/UPDATE=(ENH$:NTODISPLY)+LIB$:RMS/LIB
```

0316 AH-BT13A-SE
VAX/VMS V4.0

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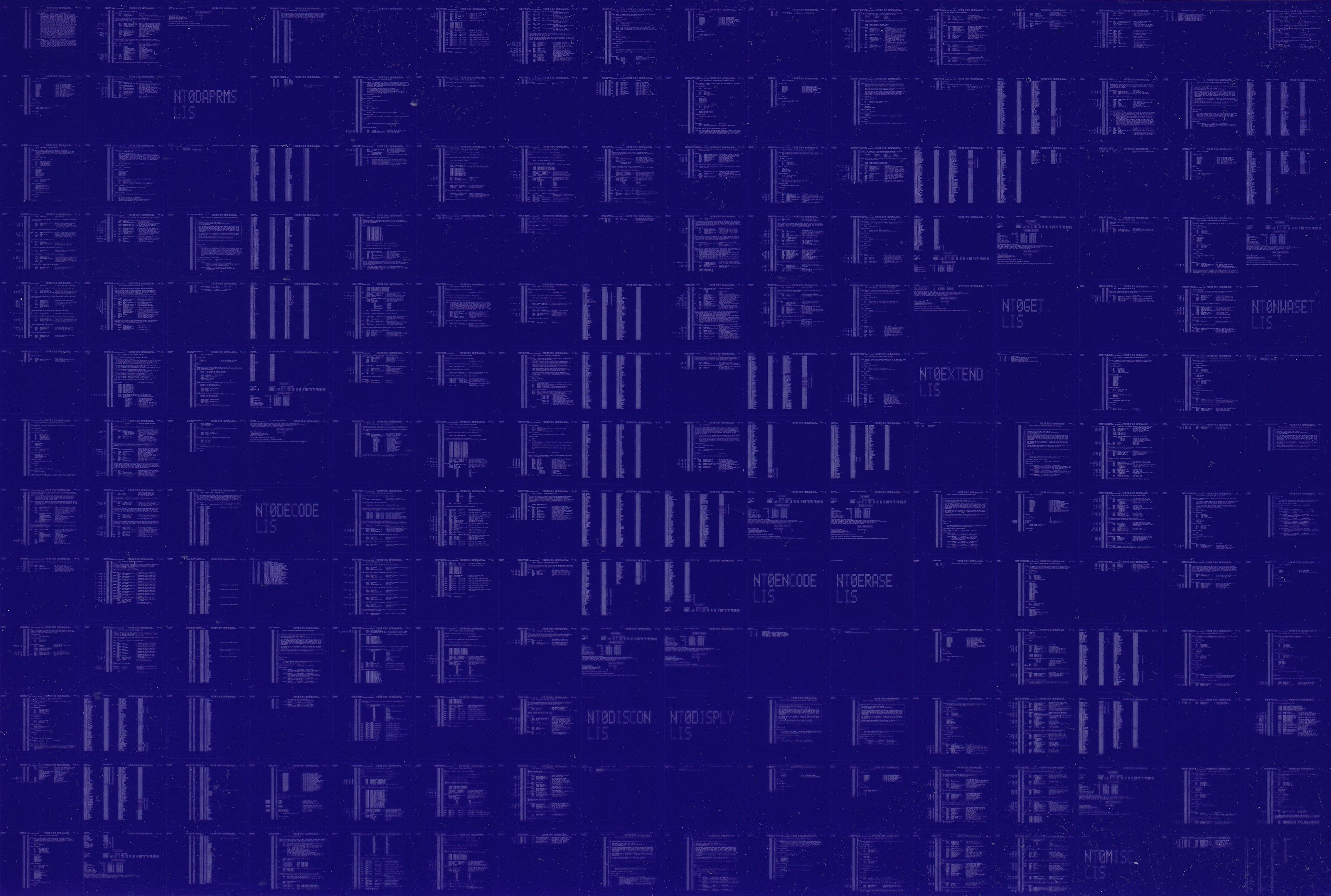

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