


```

NN      NN      TTTTTTTTTT      000000      CCCCCCCC      LL      000000      SSSSSSSS      EEEEEEEEE
NN      NN      TTTTTTTTTT      000000      CCCCCCCC      LL      000000      SSSSSSSS      EEEEEEEEE
NN      NN      TT      00      00      CC      LL      00      00      SS      EE
NN      NN      TT      00      00      CC      LL      00      00      SS      EE
NNNN      NN      TT      00      0000      CC      LL      00      00      SS      EE
NNNN      NN      TT      00      0000      CC      LL      00      00      SS      EE
NN      NN      TT      00      00      CC      LL      00      00      SS      EE
NN      NN      TT      00      00      CC      LL      00      00      SS      EE
NN      NNNN      TT      0000      00      CC      LL      00      00      SS      EE
NN      NNNN      TT      0000      00      CC      LL      00      00      SS      EE
NN      NN      TT      00      00      CC      LL      00      00      SS      EE
NN      NN      TT      00      00      CC      LL      00      00      SS      EE
NN      NN      TT      000000      CCCCCCCC      LLLLLLLLLL      000000      SSSSSSSS      EEEEEEEEE
NN      NN      TT      000000      CCCCCCCC      LLLLLLLLLL      000000      SSSSSSSS      EEEEEEEEE
      ....

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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```


(2)	51	DECLARATIONS
(3)	83	NTSCLOSE - PERFORM NETWORK CLOSE FUNCTION
(6)	302	CHECK_CRC_ERROR
(7)	341	REEXAMINE_FOP

```

0000 1      $BEGIN NTOCLOSE,000,NF$NETWORK,<NETWORK CLOSE FILE>
0000 2
0000 3
0000 4      :*****
0000 5      :
0000 6      :*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 7      :*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 8      :*  ALL RIGHTS RESERVED.
0000 9      :
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0000 11     :*  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
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0000 14     :*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
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0000 16     :
0000 17     :*  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 18     :*  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 19     :*  CORPORATION.
0000 20     :
0000 21     :*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22     :*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23     :
0000 24     :
0000 25     :*****
0000 26     :
0000 27     :
0000 28     :++
0000 29     :
0000 30     : Facility: RMS
0000 31     :
0000 32     : Abstract:
0000 33     :
0000 34     :     This module communicates with the File Access Listener (FAL) at the
0000 35     :     remote node to close the specified file.
0000 36     :
0000 37     : Environment: VAX/VMS, executive mode
0000 38     :
0000 39     : Author: James A. Krycka,      Creation Date: 09-DEC-1977
0000 40     :
0000 41     : Modified By:
0000 42     :
0000 43     :     V03-002 JAK0125      J A Krycka      07-SEP-1983
0000 44     :     When it is necessary to build an Access message to convey
0000 45     :     certain FOP options on close, construct the file specification
0000 46     :     from the FWA instead of the NAM block, as RMS now keeps the
0000 47     :     FWA around for the duration of the file access.
0000 48     :
0000 49     :--

```



```

0000 51      .SBTTL  DECLARATIONS
0000 52
0000 53
0000 54      : Include Files:
0000 55      :
0000 56
0000 57      $DAPPLGDEF      : Define DAP prologue symbols
0000 58      $DAPHDRDEF     : Define DAP message header
0000 59      $DAPCNFDEF     : Define DAP Configuration message
0000 60      $DAPATTDEF     : Define DAP Attributes message
0000 61      $DAPACCDEF     : Define DAP Access message
0000 62      $DAPCMPDEF     : Define DAP Access Complete message
0000 63      $IFBDEF        : Define IFAB symbols
0000 64      $NWADEF        : Define Network Work Area symbols
0000 65
0000 66      :
0000 67      : Macros:
0000 68      :
0000 69      :      None
0000 70      :
0000 71      : Equated Symbols:
0000 72      :
0000 73
0000 74      ASSUME  DAP$Q_DCODE_FLG EQ 0
0000 75      ASSUME  NWA$Q_FLG EQ 0
0000 76
0000 77      :
0000 78      : Own Storage:
0000 79      :
0000 80      :      None
0000 81      :

```

```

0000 83      .SBTTL NT$CLOSE - PERFORM NETWORK CLOSE FUNCTION
0000 84
0000 85      :++
0000 86      : NT$CLOSE - engages in a DAP dialogue with the remote FAL to close the
0000 87      : specified file and to process selected FOP options and XABs.
0000 88
0000 89      Calling Sequence:
0000 90
0000 91      BSBW    NT$CLOSE
0000 92
0000 93      Input Parameters:
0000 94
0000 95      R8      FAB address
0000 96      R9      IFAB address
0000 97      R10     IFAB address
0000 98      R11     Impure Area address
0000 99
0000 100     Implicit Inputs:
0000 101
0000 102     User PRO and RDT XABs
0000 103     DAP$L_CRC_RSLT
0000 104     DAP$V_DAPCRC
0000 105     DAP$V_FOPDLT, FOPSCF, FOPSPL
0000 106     DAP$V_VAXVMS
0000 107     IFB$V_DLT, DMO, RWC, SCF, SPL
0000 108     IFB$V_FWA_PTR
0000 109     IFB$V_NWA_PTR
0000 110     NWA$V_FTM_EOF
0000 111     NWA$V_FTM_RETRV
0000 112
0000 113     Output Parameters:
0000 114
0000 115     R0      Status code (RMS)
0000 116     R1-R7   Destroyed
0000 117     AP      Destroyed
0000 118
0000 119     Implicit Outputs:
0000 120
0000 121     None
0000 122
0000 123     Completion Codes:
0000 124
0000 125     Standard RMS completion codes
0000 126
0000 127     Side Effects:
0000 128
0000 129     Optionally, a file may be deleted, executed, printed, submitted
0000 130     (executed then deleted), or spooled (printed then deleted) on close
0000 131     at the remote node. Note that there is a distinction between the DAP
0000 132     execute and submit functions. Furthermore, the DCL SUBMIT/REMOTE
0000 133     command really maps into the DAP execute function (i.e., the file is
0000 134     not deleted after the batch job completes). Also, the file's protection
0000 135     and revision information may be optionally altered on close.
0000 136
0000 137     If an RMSS_CRC error is reported by FAL, then a message will be sent
0000 138     to the DECnet Event Logger (EVL).
0000 139     :--

```



```

0000 141 NT$CLOSE:: ; Entry point
0000 142 $STPT NTCLOSE ;
57 3C A9 D0 0006 143 MOVL IFBSL_NWA_PTR(R9),R7 ; Get address of NWA (and DAP)
000A 144
000A 145 ;+
000A 146 ; If the file was opened for write access then XABs are input on close. If so
000A 147 ; build a mask (NWA$W_BUILD) that will determine which optional DAP messages
000A 148 ; to send to FAL to modify the attributes of the file on close.
000A 149 ; For $CLOSE, these are the TIM and PRO messages.
000A 150 ;--
000A 151
000A 152 BUILD_MASK: ; Build NWA$W_DISPLAY
69 30 E1 000A 153 BBC #IFBSV WRTACC,(R9),- ; Ignore XABs if file was opened for
56 53 000D 154 SEND_CMP_CLOSE ; for read-only access
56 01 D0 000E 155 MOVL #1,R6 ; Signal this as a close operation
FFEC' 30 0011 156 BSBW NT$SCAN_XABCHN ; Scan user XAB chain and check FAL's
44 50 E9 0014 157 ; capabilities; request mask put in R2
52 0F AA 0017 158 BLBC R0,EXIT ; Branch on failure to complete scan
001A 159 BICW2 #<<DAP$M_DSP_ATT>!-- ; Remove these messages from build mask
001A 160 <DAP$M_DSP_ALL>!-- ; as their corresponding XABs are
001A 161 <DAP$M_DSP_KEY>!-- ; not input to the close operation
001A 162 <DAP$M_DSP_SUM>!--
001A 163 0>,R2
00D2 C7 52 B0 001A 164 MOVW R2,NWA$W_BUILD(R7) ; Save build mask
40 13 001F 165 BEQL SEND_CMP_CLOSE ; Branch if no pertinent XABs on chain
0021 166
0021 167 ;+
0021 168 ; Build and send DAP Access Complete (change-begin) message to partner.
0021 169 ;--
0021 170
0021 171 SEND_CMP_BEGIN: ; (required message to modify file)
50 07 D0 0021 172 MOVL #DAP$K_CMP_MSG,R0 ; Get message type value
FFD9' 30 0024 173 BSBW NT$BUICD_HEAD ; Construct message header
85 06 90 0027 174 MOVW #DAP$K_CHANGE_B,(R5)+ ; Store CTLFUNC field
FFD3' 30 002A 175 BSBW NT$BUICD_TAIL ; Finish building message
FFD0' 30 002D 176 BSBW NT$TRANSMIT ; Send Access Complete message to FAL
28 50 E9 0030 177 BLBC R0,EXIT ; Branch on failure
0033 178
0033 179 ;+
0033 180 ; Build and send DAP Date and Time message to partner from the Revision
0033 181 ; Date and Time XAB.
0033 182 ;--
0033 183
0033 184 SEND_TIM: ; (optional message)
00D2 04 E1 0033 185 BBC #DAP$V_DSP_TIM,- ; Branch if Date and Time message
C7 0E 0035 186 NWA$W_BUILD(R7),- ; should not be sent
0038 187 SEND_PRO
56 0114 C7 D0 0039 188 MOVL NWA$C_RDTXABADR(R7),R6 ; Get address of user RDTXAB
FFBF' 30 003E 189 BSBW NT$ENCODE_TIM_R ; Build message
FFBC' 30 0041 190 BSBW NT$TRANSMIT ; Send Date and Time message to FAL
14 50 E9 0044 191 BLBC R0,EXIT ; Branch on failure
0047 192
0047 193 ;+
0047 194 ; Build and send DAP Protection message to partner.
0047 195 ;--
0047 196
0047 197 SEND_PRO: ; (optional message)

```

NTOCLOSE
V04-000

NETWORK CLOSE FILE
NTSCLOSE - PERFORM NETWORK CLOSE FUNCTIO

K 11

15-SEP-1984 23:50:53 VAX/VMS Macro V04-00
5-SEP-1984 16:20:19 [RMS.SRC]NTOCLOSE.MAR;1

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```

      05      E1 0047 198      BBC      #DAP$V_DSP_PRO,-      ; Branch if Protection message
00D2 C7      0049 199      N$W$W_BUILD(R7),-      ; should not be sent
      OF      004C 200      SEND_CMP_END      ;
56 0110 C7    D0 004D 201      MOVL      N$W$C_PROXABADR(R7),R6      ; Get address of user PROXAB
      FFAB'   30 0052 202      BSBW      NT$ENCODE_PRO      ; Build message
      FFAB'   30 0055 203      BSBW      NT$TRANSMIT      ; Send Protection message to FAL
01 50      E8 0058 204      BLBS      R0,SEND_CMP_END      ; Branch on success
      05      005B 205 EXIT:      RSB      ; Exit with RMS code in R0
```



```

005C 207 :+
005C 208 : Build and send DAP Access Complete (change-end) message to partner if this is
005C 209 : a change of file attributes on close sequence.
005C 210 :
005C 211 : OR
005C 212 :
005C 213 : Build and send DAP Access Complete (close) message to partner if this is a
005C 214 : normal close operation.
005C 215 :
005C 216 : In either case, FOP options (DLT, SCF, SPL, ...) will be specified in this
005C 217 : message.
005C 218 :-
005C 219 :
005C 220 SEND_CMP END:                                : (required message to modify file)
51 07 D0 005C 221      MOVL      #DAP$K_CHANGE_E,R1      : Get function code
03 11 005F 222      BRB      SEND_CMP                  : Join common code
0061 223 SEND_CMP CLOSE:                          : (required message for normal close)
51 01 D0 0061 224      MOVL      #DAP$K_CLOSE,R1          : Get function code
0064 225 SEND_CMP:                                : Common code
0064 226      $SETBIT #NWA$V_LAST MSG,(R7)              : Declare this last message to block
50 07 D0 0068 227      MOVL      #DAP$K_CMP MSG,R0        : Get message type value
FF92' 30 006B 228      BSBW      NT$BUI[D_HEAD           : Construct message header
85 51 90 006E 229      MOV      R1,(R5)+                : Store CTLFUNC field
0071 230 :
0071 231 :
0071 232 : Map user specified FOP options to be performed on close into the DAP FOP
0071 233 : field. The IFAB bookkeeping field contains those FOP options requested on
0071 234 : open/create combined (logically ORed) with those requested on close.
0071 235 :
0071 236 : In addition, the DLT, SCF, and SPL bits (treated as a set) will be mapped iff
0071 237 : partner supports all of the requested options; else ignored for now--they
0071 238 : will be re-examined after Access Complete messages have been exchanged for
0071 239 : potential alternate processing using a separate DAP access function.
0071 240 :
0071 241 :
51 04 A9 D0 0071 242      MOVL      IFB$V_BKPBITS(R9),R1      : Get IFAB bits
08 67 52 D4 0075 243      CLRL      R2                      : Zero resultant FOP bits
34 E1 0077 244      BBC      #DAP$V_VAXVMS,(R7),10$        : Branch if partner is not VAX/VMS
007B 245      $MAPBIT <IFB$V_RWC-32>,DAP$V_RWC;           : Map RWC bit
0083 246 : ##### $MAPBIT <IFB$V_DMO-32>,DAP$V_DMO;       : Map DMO bit
0083 247 : Note: this is not implemented in RMS32
0083 248 :
0083 249      ASSUME IFB$V_SPL+1 EQ IFB$V_SCF
0083 250      ASSUME IFB$V_SCF+1 EQ IFB$V_DLT
0083 251 :
0083 252      ASSUME DAP$V_FOPSPL+1 EQ DAP$V_FOPSCF
0083 253      ASSUME DAP$V_FOPSCF+1 EQ DAP$V_FOPDLT
0083 254 :
56 51 03 09 EF 0083 255 10$: EXTZV #<IFB$V_SPL-32>,#3,R1,R6; Extract the three FOP bits
23 13 0088 256      BEQL      20$                          : Branch if none set
03 1D EF 008A 257      EXTZV #DAP$V_FOPSPL,#3,-            : Extract the three corresponding
50 28 A7 008D 258      DAP$Q_SYSCAP(R7),R0                : SYSCAP bits
56 50 CA 0090 259      BICL2    R0,R6                      : Mask out supported requests
18 12 0093 260      BNEQ      20$                          : Branch if any are not supported
0095 261      $MAPBIT <IFB$V_DLT-32>,DAP$V_DLT;           : Map DLT bit
009D 262      $MAPBIT <IFB$V_SCF-32>,DAP$V_SCF;           : Map SCF bit
00A5 263      $MAPBIT <IFB$V_SPL-32>,DAP$V_SPL;           : Map SPL bit

```

```

51 52 D0 00AD 264 20$: MOVL R2,R1 ; Move data to correct register
   FF4D' 30 00B0 265 BSBW NT$CVT_BN4_EXT ; Store FOP as an extensible field
       00B3 266
       00B3 267
       00B3 268 ; Include file level CRC checksum in message as required.
       00B3 269
       00B3 270
08 15 E1 00B3 271 BBC #DAP$V_DAPCRC,- ; Branch if partner does not support
28 A7 00B5 272 DAP$Q_SYSCAP(R7),30$ ; file level CRC checksum
04 67 1A E0 00B8 273 BBS #NWA$V_FTM_RETRV,(R7),30$ ; Branch if file transfer retrieval mode
       00BC 274 ; has not been properly terminated
85 20 A7 B0 00BC 275 MOVW DAP$L_CRC_RSLT(R7),(R5)+ ; Store CRC checksum field (CHECK)
   FF3D' 30 00C0 276 30$: BSBW NT$BUILD_TAIL ; Finish building message
   FF3A' 30 00C3 277 BSBW NT$TRANSMIT ; Send Access Complete message to FAL
   OC 50 E9 00C6 278 BLBC R0,EXIT1 ; Branch on failure
       00C9 279
       00C9 280 ;+
       00C9 281 ; Receive Access Complete message from partner (which may be preceded by other
       00C9 282 ; DAP messages in the pipe if we've prematurely terminated the access).
       00C9 283 ; -
       00C9 284
       00C9 285 RECV_CMP:
FF34' 30 00C9 286 BSBW NT$LOOK_FOR_CMP ; Wait for response from FAL
07 50 E9 00CC 287 BLBC R0,CHKCRC ; Branch on failure
   56 D5 00CF 288 TSTL R6 ; Branch if there are no more FOP
   02 13 00D1 289 BEQL EXIT1 ; options to process
   31 10 00D3 290 BSBB REEXAMINE_FOP ; Try to process them another way
       05 00D5 291 EXIT1: RSB ; Exit with RMS code in R0
       00D6 292
       00D6 293
       00D6 294 ; Special case DAP level CRC checksum error reported by FAL.
       00D6 295
       00D6 296
0000'8F 50 B1 00D6 297 CHKCRC: CMPW R0,#<RMS$_CRC&^XFFFF> ; Check for RMS$_CRC error from FAL
   02 12 00DB 298 BNEQ 10$ ;
   01 10 00DD 299 BSBB CRC_ERROR ; Process DAP level CRC checksum error
       05 00DF 300 10$: RSB ; Exit with RMS code in R0

```



```

00E0 302      .SBTTL CHECK_CRC_ERROR
00E0 303
00E0 304      ;++
00E0 305      ; This routine processes an RMSS_CRC error returned by FAL on a close operation.
00E0 306      ; First, a DAP level CRC checksum error message is formatted and sent to the
00E0 307      ; DECnet Event Logger. Then another Access Complete message is generated to
00E0 308      ; direct FAL to close the file.
00E0 309      ;--
00E0 310
00E0 311 CRC_ERROR:      ; Entry point
00E0 312      PUSHF      #^M<R0>      ; Save completion code on entry
01  BB 00E0 312      BSBW      NT$CRC_LOGERR      ; Send message to DECnet Event Logger
FF1B' 30 00E2 313      ; No status code is returned
00E5 314
00E5 315
00E5 316      ;+
00E5 317      ; Build and send Access Complete message to close the file.
00E5 318      ;--
00E5 319
00E5 320 CRC_SEND CMP:
00E5 321      $SETBIT #N$ASV_LAST_MSG,(R7)      ; Declare this last message to block
50  07  D0 00E9 322      MOVL      #DAP$K_CMP_MSG,R0      ; Get message type value
FF11' 30 00EC 323      BSBW      NT$BUIED_HEAD      ; Construct message header
85  01  90 00EF 324      MOVB      #DAP$K_CLOSE,(R5)+      ; Store CTLFUNC field
FF0B' 30 00F2 325      BSBW      NT$BUIED_TAIL      ; Finish building message
FF0B' 30 00F5 326      BSBW      NT$TRANSMIT      ; Send Access Complete message to FAL
08 50  E9 00F8 327      BLBC      R0,CRC_EXIT      ; Branch on failure
00FB 328
00FB 329      ;+
00FB 330      ; Receive Access Complete message from partner.
00FB 331      ;--
00FB 332
00FB 333 CRC_RECV CMP:
00FB 334      $SETBIT #DAP$K_CMP_MSG,DAP$L_MSG,MASK(R7)      ; Expect response of Access Complete msg
FEFD' 30 0100 335      BSBW      NT$RECEIVE      ; Get reply from FAL
01  BA 0103 336      CRC_EXIT:
05  05 0103 337      POPR      #^M<R0>      ; Restore completion code on entry
0105 338      RSB      ; Exit with RMSS_CRC code in R0
0105 339

```

```

0106 341 .SBTTL REEXAMINE_FOP
0106 342
0106 343 :++
0106 344 : This routine attempts to process selected FOP options via a separate DAP
0106 345 : access function (which have not been processed because the remote FAL does not
0106 346 : support passing these options in the DAP FOP field in the Access Complete
0106 347 : message).
0106 348 :--
0106 349
0106 350 REEXAMINE_FOP: ; Entry point
0106 351
0106 352 ASSUME IFB$V_SPL+1 EQ IFB$V_SCF
0106 353 ASSUME IFB$V_SCF+1 EQ IFB$V_DLT
0106 354
50 69 03 29 EF 0106 355 EXTZV #IFB$V_SPL,#3,(R9),R0 ; Extract the three FOP bits
0106 356 $CASEB SELECTOR=R0- ; Options requested:
0106 357 DISPL=<- ; Note: SCF takes precedence over SPL
0106 358 NOTHING- ; 0 0 0
0106 359 ERRSUP- ; 0 0 SPL
0106 360 EXECUTE- ; 0 SCF 0
0106 361 EXECUTE- ; 0 SCF SPL ==> SCF
0106 362 DELETE- ; DLT 0 0
0106 363 ERRSUP- ; DLT 0 SPL
0106 364 SUBMIT- ; DLT SCF 0
0106 365 SUBMIT- ; DLT SCF SPL ==> SCF!DLT
0106 366 >
011F 367 NOTHING:RMSSUC ; Return success
0122 368 RSB ; Exit with RMS code in R0
FEDA' 31 0123 369 ERRSUP: BRW NT$RMT_FOP2 ; Declare RMSS$ SUPPORT error and
0126 370 ; exit with RMS code in R0
FB 11 0126 371 SUBMIT: BRB ERRSUP ; It's too late to perform DAP submit
0128 372 ; function--logically it's similar to
0128 373 ; create function
56 04 90 0128 374 DELETE: MOVB #DAP$K_ERASE,R6 ; Save DAP function code for erase
56 03 11 0128 375 BRB REEX_SEND_ACC ; Delete the file
56 08 90 0128 376 EXECUTE:MOVB #DAP$K_EXECUTE,R6 ; Save DAP function code for execute
0130 377
0130 378 :+
0130 379 : Build and send Access message to partner.
0130 380 :-
0130 381
0130 382 REEX_SEND_ACC:
0130 383 $SETBIT #NWA$V_LAST_MSG,(R7) ; Declare this last message to block
50 03 D0 0134 384 MOVL #DAP$K_ACC_MSG,R0 ; Get message type value
FEC6' 30 0137 385 BSBW NT$BUILT_HEAD ; Construct message header
85 56 90 013A 386 MOVB R6,(R5)+ ; Store ACCFUNC field
85 01 90 013D 387 MOVB #DAP$M_NONFATAL,(R5)+ ; Store ACCOPT field
5A 38 A9 D0 0140 388 MOVL IFB$V_FWA_PTR(R9),R10 ; Get address of FWA (no need to save
0144 389 ; R10 as it was equal to R9 on entry)
FEB9' 30 0144 390 BSBW NT$GET_FILESPEC ; Store FILESPEC as a counted
0147 391 ; ASCII string
5A 59 D0 0147 392 MOVL R9,R10 ; Restore IFAB address to register
FEB3' 30 014A 393 BSBW NT$BUILD_TAIL ; Finish building message
FEB0' 30 014D 394 BSBW NT$TRANSMIT ; Send Access message to FAL
08 50 E9 0150 395 BLBC R0,EXIT2 ; Branch on failure
0153 396
0153 397 :+

```



```

0153 398 : Receive Access Complete message from partner.
0153 399 :-
0153 400
0153 401 REEX_RECV_CMP:
0153 402 $SETBIT #DAP$K_CMP_MSG,DAP$L_MSG;MASK(R7)
0158 403 : Expect response of Access Complete msg
FEA5' 30 0158 404 BSBW NTSRECEIVE : Get reply from FAL
05 0158 405 EXIT2: RSB : Exit with RMS code in R0
015C 406
015C 407 .END : End of module

```


NTOCLOSE
Symbol table

NETWORK CLOSE FILE

D 12

15-SEP-1984 23:50:53 VAX/VMS Macro V04-00
5-SEP-1984 16:20:19 [RMS.SRC]NTOCLOSE.MAR;1

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\$\$PSECT_EP
\$\$COUNT
\$\$RMSTEST
\$\$RMS_PBUGCHK
\$\$RMS_TBUGCHK
\$\$RMS_UMODE
BUILD_MASK
CHKCRC
CRC_ERROR
CRC_EXIT
CRC_RECV_CMP
CRC_SEND_CMP
DAP\$B_ACCFUNC
DAP\$B_ACCOPT
DAP\$B_BITCNT
DAP\$B_BKS
DAP\$B_BSZ
DAP\$B_CMPFUNC
DAP\$B_DATATYPE
DAP\$B_DCODE_FID
DAP\$B_DCODE_MAC
DAP\$B_DCODE_MSG
DAP\$B_DECVER
DAP\$B_ECONUM
DAP\$B_FAC
DAP\$B_FILESYS
DAP\$B_FLAGS
DAP\$B_FSZ
DAP\$B_LEN256
DAP\$B_LENGTH
DAP\$B_ORG
DAP\$B_OSTYPE
DAP\$B_RAT
DAP\$B_RFM
DAP\$B_SHR
DAP\$B_STREAMID
DAP\$B_TYPE
DAP\$B_USRNUM
DAP\$B_USRVER
DAP\$B_VERNUM
DAP\$B_X_FIELD
DAP\$C_BLN
DAP\$K_ACC_MSG
DAP\$K_BLN
DAP\$K_CHANGE_B
DAP\$K_CHANGE_E
DAP\$K_CLOSE
DAP\$K_CMP_MSG
DAP\$K_ERASE
DAP\$K_EXECUTE
DAP\$K_FIX
DAP\$K_SEQ
DAP\$L_ALQ1
DAP\$L_ATTMENU
DAP\$L_CMWA
DAP\$L_CRC_RSLT
DAP\$L_DCODE_STS

= 00000000
= 00000008
= 0000001A
= 00000010
= 00000008
= 00000004
0000000A R 01
000000D6 R 01
000000E0 R 01
00000103 R 01
000000FB R 01
000000E5 R 01
00000040
00000041
00000035
00000050
00000052
00000040
00000044
00000019
0000001B
0000001A
00000047
00000045
00000042
00000043
00000031
00000051
00000034
00000033
00000045
00000042
00000047
00000046
00000043
00000032
00000030
00000046
00000048
00000044
00000024
000000C0
= 00000003
000000C0
= 00000006
= 00000007
= 00000001
= 00000007
= 00000004
= 00000008
= 00000001
= 00000000
0000004C
00000040
00000030
00000020
00000018

DAP\$L_DEV
DAP\$L_EBK
DAP\$L_FOP1
DAP\$L_FOP2
DAP\$L_HBK
DAP\$L_MRN
DAP\$L_MSG_MASK
DAP\$L_SBN
DAP\$L_SSPWA
DAP\$L_TEMP
DAP\$M_BITCNT
DAP\$M_CMPFMT
DAP\$M_DMO
DAP\$M_DSP_3NAM
DAP\$M_DSP_ALL
DAP\$M_DSP_ATT
DAP\$M_DSP_KEY
DAP\$M_DSP_SUM
DAP\$M_EMBEDDED
DAP\$M_GET
DAP\$M_GO_NOGO
DAP\$M_IMAGE
DAP\$M_LSA
DAP\$M_MACY11
DAP\$M_MSE
DAP\$M_NONFATAL
DAP\$M_SEGMENT
DAP\$M_TMP1\$
DAP\$M_TMP2\$
DAP\$M_TMP3\$
DAP\$M_TMP4\$
DAP\$M_TMP5\$
DAP\$M_ZERO
DAP\$Q_DCODE_FLG
DAP\$Q_FILESPEC
DAP\$Q_MSG_BUF1
DAP\$Q_MSG_BUF2
DAP\$Q_PASSWORD
DAP\$Q_RUNSYS
DAP\$Q_SYSCAP
DAP\$Q_SYSPEC
DAP\$V_DAPCRC
DAP\$V_DLT
DAP\$V_DSP_PRO
DAP\$V_DSP_TIM
DAP\$V_FOPDLT
DAP\$V_FOPSCF
DAP\$V_FOPSPL
DAP\$V_RWC
DAP\$V_SCF
DAP\$V_SPL
DAP\$V_VAXVMS
DAP\$W_BLS
DAP\$W_BUFSIZ
DAP\$W_CHECK
DAP\$W_DEQ1
DAP\$W_DISPLAY1
00000068
00000078
00000064
00000044
00000074
00000058
0000001C
0000007C
00000080
00000090
= 00000008
= 00000008
= 00002000
= 00000200
= 00000004
= 00000001
= 00000002
= 00000008
= 00000010
= 00000002
= 00000010
= 00000002
= 00000040
= 00000080
= 00000010
= 00000001
= 00000040
= 000000C0
= 0000FC00
= 00020000
= 01000000
= F0000000
= 00000080
00000000
00000044
00000008
00000010
00000050
0000005C
00000028
00000038
= 00000015
= 00000016
= 00000005
= 00000004
= 0000001F
= 0000001E
= 0000001D
= 00000001
= 00000015
= 00000014
= 00000034
00000048
00000040
00000042
00000054
0000004C

NTOCLOSE
Symbol table

NETWORK CLOSE FILE

E 12

15-SEP-1984 23:50:53 VAX/VMS Macro V04-00
5-SEP-1984 16:20:19 [RMS.SRC]NTOCLOSE.MAR;1

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DAPSW_FFB	00000072		
DAPSW_LRL	00000070		
DAPSW_MRS	0000004A		
DAPSW_PARTNER	00000006		
DAPSW_VERSION	00000004		
DELETE	00000128	R	01
ERRSUP	00000123	R	01
EXECUTE	0000012D	R	01
EXIT	0000005B	R	01
EXIT1	000000D5	R	01
EXIT2	0000015B	R	01
IFBSL_BKPBITS	= 00000004		
IFBSL_FWA_PTR	= 00000038		
IFBSL_NWA_PTR	= 0000003C		
IFBSV_DLT	= 0000002B		
IFBSV_RWC	= 00000027		
IFBSV_SCF	= 0000002A		
IFBSV_SPL	= 00000029		
IFBSV_WRTACC	= 00000030		
NOTHING	0000011F	R	01
NT\$BUILD_HEAD	*****	X	01
NT\$BUILD_TAIL	*****	X	01
NT\$CLOSE	00000000	RG	01
NT\$CRC_LOGERR	*****	X	01
NT\$CVT_BN4_EXT	*****	X	01
NT\$ENCODE_PRO	*****	X	01
NT\$ENCODE_TIM_R	*****	X	01
NT\$GET_FICESPEC	*****	X	01
NT\$LOOK_FOR_CMP	*****	X	01
NT\$RECEIVE	*****	X	01
NT\$RMT_FOP2	*****	X	01
NT\$SCAN_XABCHN	*****	X	01
NT\$TRANSMIT	*****	X	01
NWASB_ALLXABCNT	0000011C		
NWASB_DAP_RAC	000000C9		
NWASB_FILESYS	000000C5		
NWASB_KEYXABCNT	0000011D		
NWASB_NETSTRSIZ	0000016F		
NWASB_NODBUFSIZ	00000168		
NWASB_ORG	000000C6		
NWASB_OSTYPE	000000C4		
NWASB_RFM	000000C7		
NWASB_RMS_RAC	000000C8		
NWASB_BLN	00000800		
NWASK_BLN	00000800		
NWASL_ALLXABADR	00000100		
NWASL_DATXABADR	00000104		
NWASL_DEV	000000C0		
NWASL_FHCXABADR	00000108		
NWASL_KEYXABADR	0000010C		
NWASL_MSG_MASK	000000D4		
NWASL_PROXABADR	00000110		
NWASL_RDTXABADR	00000114		
NWASL_SAVE_FLGS	00000128		
NWASL_SUMXABADR	00000118		
NWASL_THREAD	000000FC		
NWASL_XLTATTR	00000238		

NWASL_XLTBUFFLG	0000022C		
NWASL_XLTCNT	00000228		
NWASL_XLTMAXINDX	00000234		
NWASL_XLTSIZ	00000230		
NWASQ_ACS	00000244		
NWASQ_BIGBUF	00000170		
NWASQ_BLD	0000C0F0		
NWASQ_FLG	00000000		
NWASQ_INODE	0000025C		
NWASQ_IOSB	000000D8		
NWASQ_LNODE	00000160		
NWASQ_LOGNAME	0000023C		
NWASQ_NCB	00000264		
NWASQ_RCV	000000E0		
NWASQ_SAVE_DESC	00000120		
NWASQ_XLTBUF1	0000024C		
NWASQ_XLTBUF2	00000254		
NWASQ_XMT	000000E8		
NWAST_ACSBUF	0000026C		
NWAST_AUXBUF	000005E0		
NWAST_DAP	00000000		
NWAST_INODEBUF	000004AC		
NWAST_ITM_ATTR	00000200		
NWAST_ITM_END	00000224		
NWAST_ITM_LST	00000200		
NWAST_ITM_MAXINDX	00000218		
NWAST_ITM_STRING	0000020C		
NWAST_NCBBUF	0000052C		
NWAST_NODEBUF	00000169		
NWAST_RCVBUF	000001A0		
NWAST_SCAN	00000100		
NWAST_TEMP	00000120		
NWAST_XLTBUF1	000002AC		
NWAST_XLTBUF2	000003AC		
NWAST_XMTBUF	000003C0		
NWASV_FTM_RETRV	= 0000001A		
NWASV_LAST_MSG	= 00000000		
NWASW_BUILD	000000D2		
NWASW_DAPBUFSIZ	000000CA		
NWASW_DIR_OFF	000000CC		
NWASW_DISPLAY	000000D0		
NWASW_FIL_OFF	000000CE		
NWASW_JNLXABJOP	0000011E		
PIOSA_TRACE	*****	X	01
RECV_CMP	000000C9	R	01
REEXAMINE_FOP	00000106	R	01
REEX_RECV_CMP	00000153	R	01
REEX_SEND_ACC	00000130	R	01
RMS\$CRC	*****	X	01
SEND_CMP	00000064	R	01
SEND_CMP_BEGIN	00000021	R	01
SEND_CMP_CLOSE	00000061	R	01
SEND_CMP_END	0000005C	R	01
SEND_PRO	00000047	R	01
SEND_TIM	00000033	R	01
SUBMIT	00000126	R	01
TPT\$\$_NTCLOSE	*****	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	0000015C (348.)	01 (1.)	PIC	USR	CON	REL	GBL	NOSHR	EXE	RD	NOWRT	NOVEC	BYTE					
\$ABSS	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	00:00:00.50
Command processing	123	00:00:00.60	00:00:03.00
Pass 1	273	00:00:09.60	00:00:22.79
Symbol table sort	0	00:00:01.17	00:00:01.84
Pass 2	88	00:00:01.82	00:00:05.00
Symbol table output	28	00:00:00.24	00:00:01.74
Psect synopsis output	2	00:00:00.00	00:00:00.08
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	548	00:00:13.52	00:00:34.99

The working set limit was 1350 pages.
 47867 bytes (94 pages) of virtual memory were used to buffer the intermediate code.
 There were 50 pages of symbol table space allocated to hold 802 non-local and 14 local symbols.
 407 source lines were read in Pass 1, producing 14 object records in Pass 2.
 24 pages of virtual memory were used to define 23 macros.

! Macro library statistics !

Macro library name	Macros defined
\$255\$DUA28:[RMS.OBJ]RMS.MLB;1	15
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	19

1066 GETS were required to define 19 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:NTOCLOSE/OBJ=OBJ\$:NTOCLOSE MSRC\$:NTOCLOSE/UPDATE=(ENH\$:NTOCLOSE)+LIB\$:RMS/LIB

0315 AH-BT13A-SE
VAX/VMS V4.0

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NT0ACCESS
LIS

NT0CLOSE
LIS

NT0BLDXAB
LIS

NT0CONN
LIS

NT0CREATE
LIS

NT0DAP10
LIS

NT0DAPCRC
LIS

NT0ACCFIL
LIS

NT0BLK10
LIS