

```

DDDDDDDDDDDD  TTTTTTTTTTTTTT  SSSSSSSSSSSS  DDDDDDDDDDD  TTTTTTTTTTTTTT  RRRRRRRRRRRR
DDDDDDDDDDDD  TTTTTTTTTTTTTT  SSSSSSSSSSSS  DDDDDDDDDDD  TTTTTTTTTTTTTT  RRRRRRRRRRRR
DDDDDDDDDDDD  TTTTTTTTTTTTTT  SSSSSSSSSSSS  DDDDDDDDDDD  TTTTTTTTTTTTTT  RRRRRRRRRRRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDD           DDD           TTT           SSS           DDD           DDD           TTT           RRR           RRR
DDDDDDDDDDDD  TTT           SSSSSSSSSSSS  DDDDDDDDDDD  TTT           RRRRRRRRRRRR
DDDDDDDDDDDD  TTT           SSSSSSSSSSSS  DDDDDDDDDDD  TTT           RRRRRRRRRRRR
DDDDDDDDDDDD  TTT           SSSSSSSSSSSS  DDDDDDDDDDD  TTT           RRRRRRRRRRRR

```

3
 Vi
 St
 im
 im
 im
 Nu
 Nu
 Nu
 Nu
 Nu
 Nu
 Us
 Im
 Ma
 Es

 Pe
 --

 To
 Us
 To

 Nu

 17
 A
 LI
 DT

```

DDDDDDDD      TTTTTTTTTT  RRRRRRRR      TTTTTTTTTT  EEEEEEEEEEE  SSSSSSSS      TTTTTTTTTT
DDDDDDDD      TTTTTTTTTT  RRRRRRRR      TTTTTTTTTT  EEEEEEEEEEE  SSSSSSSS      TTTTTTTTTT
DD      DD      TT      RR      RR      TT      EE      SS      TT
DD      DD      TT      RR      RR      TT      EE      SS      TT
DD      DD      TT      RR      RR      TT      EE      SS      TT
DD      DD      TT      RR      RR      TT      EE      SS      TT
DD      DD      TT      RRRRRRRR      TT      EEEEEEEEE  SSSSSS      TT
DD      DD      TT      RRRRRRRR      TT      EEEEEEEEE  SSSSSS      TT
DD      DD      TT      RR  RR      TT      EE      SS      TT
DD      DD      TT      RR  RR      TT      EE      SS      TT
DD      DD      TT      RR  RR      TT      EE      SS      TT
DD      DD      TT      RR  RR      TT      EE      SS      TT
DD      DD      TT      RR      RR      TT      EEEEEEEEEEE  SSSSSSSS      TT
DD      DD      TT      RR      RR      TT      EEEEEEEEEEE  SSSSSSSS      TT

```

```

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)	44
(3)	67
(4)	158
(5)	344
(6)	441
(7)	570
(8)	619

DECLARATIONS
TST\$CONN_DTR - CONNECT TEST
TST\$DATA_DTR - DATA TEST
TST\$DISC_DTR - DISCONNECT TEST
TST\$INTE_DTR - INTERRUPT TEST
TST\$MISC_DTR - MISCELLANEOUS TEST
TST\$BAD_DTR - INVALID TEST TYPE

```
0000 1 .TITLE TSTSDTRTEST - DTR TEST ROUTINES
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 :* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 :* ALL RIGHTS RESERVED.
0000 10 :*
0000 11 :* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 12 :* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 13 :* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 14 :* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 15 :* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 16 :* TRANSFERRED.
0000 17 :*
0000 18 :* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 :* CORPORATION.
0000 21 :*
0000 22 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :
0000 28 :
0000 29 :++
0000 30 : FACILITY: DTS/DTR DECNET TEST PACKAGE
0000 31 :
0000 32 : ABSTRACT:
0000 33 : THIS MODULE IMPLEMENTS THE CONNECT, DATA, DISCONNECT,
0000 34 : INTERRUPT, AND MISCELLANEOUS TEST SEQUENCES FOR DTR.
0000 35 :
0000 36 : ENVIRONMENT: DTR RUNS IN USER MODE AND REQUIRES NETWORK PRIVILEGE.
0000 37 :
0000 38 : AUTHOR: JAMES A. KRYCKA, CREATION DATE: 11-AUG-77
0000 39 :
0000 40 : MODIFICATIONS:
0000 41 :
0000 42 :--
```

```
0000 44 .SBTTL DECLARATIONS
0000 45
0000 46 :
0000 47 : INCLUDE FILES:
0000 48 :
0000 49 $DTSDEF
0000 50 CMDDEF ; DEFINE COMMAND LANGUAGE SYMBOLS
0000 51 EFNDEF ; DEFINE EFN'S AND FUNCTION CODES
0000 52 $MSGDEF ; DEFINE MAILBOX MESSAGE ID CODES
0000 53 .IIF NE K_LIST_MEB, .LIST MEB ; DEFINED IN DTPREFIX.MAR
0000 54 :
0000 55 : MACROS:
0000 56 :
0000 57 : NONE
0000 58 :
0000 59 : EQUATED SYMBOLS:
0000 60 :
0000 61 : NONE
0000 62 :
0000 63 : OWN STORAGE:
0000 64 :
0000 65 : NONE
```

```

0000 0000 67      .SBTTL  TST$CONN_DTR - CONNECT TEST
0000 0000 68      .PSECT  TST$CODE      NOWRT
0000 0000 69 RT::  ; SYMBOL FOR DEBUGGING PURPOSES
0000 0000 70
0000 0000 71 :++
0000 0000 72 : FUNCTIONAL DESCRIPTION:
0000 0000 73 :
0000 0000 74 :     NONE
0000 0000 75 :
0000 0000 76 : CALLING SEQUENCE:
0000 0000 77 :
0000 0000 78 :     BSB/JSB TST$CONN_DTR
0000 0000 79 :
0000 0000 80 : INPUT PARAMETERS:
0000 0000 81 :
0000 0000 82 :     R9     TEST SUBFUNCTION VALUE
0000 0000 83 :     R10    ADDRESS OF NCB USERDATA FIELD (COUNTED ASCII STRING)
0000 0000 84 :     R11    ADDRESS OF NCB DESCRIPTOR BLOCK
0000 0000 85 :
0000 0000 86 : IMPLICIT INPUTS:
0000 0000 87 :
0000 0000 88 :     NONE
0000 0000 89 :
0000 0000 90 : OUTPUT PARAMETERS:
0000 0000 91 :
0000 0000 92 :     R0     COMPLETION CODE
0000 0000 93 :     R1     ADDRESS OF TEST ID STRING
0000 0000 94 :     R2-R11 DESTROYED
0000 0000 95 :
0000 0000 96 : IMPLICIT OUTPUTS:
0000 0000 97 :
0000 0000 98 :     NONE
0000 0000 99 :
0000 0000 100 : COMPLETION CODES.
0000 0000 101 :
0000 0000 102 :     R0     1 = SUCCESS; 0 = FAILURE
0000 0000 103 :
0000 0000 104 : SIDE EFFECTS:
0000 0000 105 :
0000 0000 106 :     NONE
0000 0000 107 :
0000 0000 108 : --
0000 0000 109 :
0000 0000 110 TST$CONN_DTR:: ; ENTRY POINT
05 59 91 0000 111      CMPB   R9,#5 ;
0000 0000 112      BLEQU  5$ ;
0000 0000 113      BSBW   TST$CONN_REJECT ; ISSUE CONNECT REJECT
50 01F58053 8F D0 0008 114      MOVL   #DTS$ BADSUBFCN,R0 ; GIVE REASON FOR FAILURE
0000 0000 115      BRB    CONN_FAILURE ;
56 59 FF 8F 9C 0011 116 5$:  ROTL   #-1,R9,R6 ;
0016 117 ;
0016 118 ;
0016 119      $CASEB  SELECTOR=R6,DISPL=<- ;
0016 120      10$- ;
0016 121      20$- ;
0016 122      30$- ;
0016 123      > ;

```

```

: DIVIDE CONTEST FIELD BY 2 TO
: DETERMINE WHAT TYPE (IF ANY)
: OF USERDATA IS TO BE RETURNED.
: RETURN:
: NO USERDATA
: STANDARD DATA
: RECEIVED DATA

```

```

        6A 94 0020 124 10$: CLRB (R10) ; ZERO LENGTH OF USERDATA STRING
          09 11 0022 125 ; BRB 30$ ; CONTINUE
      8A 10 90 0024 126 20$: MOVB #16,(R10)+ ; STORE 16 BYTES OF THE STANDARD
          0027 127 ; ; DATA PATTERN AS A COUNTED STRING
6A 0001'CF 10 28 0027 128 ; MOVC3 #16,W^TST$GT_STANDARD+1,(R10) ; ''
          0020 129 ;
          0020 130 ;
          0020 131 ; RESPOND WITH CONNECT ACCEPT OR CONNECT REJECT AS APPROPRIATE.
          0020 132 ;
          0020 133 ;
          52 02 D0 002D 134 30$: MOVL #EFN_K_CONN_REJE,R2 ; ASSUME CONNECT REJECT
          03 59 E9 0030 135 ; BLBC R9,40$ ; IS IT A REJECT REQUEST?
          52 01 D0 0033 136 ; MOVL #EFN_K_CONN_ACCE,R2 ; NO, IT'S A CONNECT ACCEPT
          54 58 D0 0036 137 40$: MOVL R11,R4 ; P2 = ADDRESS OF NCB DESCRIPTOR BLOCK
          FFC4' 30 0039 138 ; BSBW TST$QIOW ; RESPOND TO CONNECT INITIATE
          25 59 E9 003C 139 ; BLBC R9,CONN_SUCCESS ; DID WE REJECT THE CONNECTION?
          003F 140 ; ; NO, WAIT FOR DISCONNECT FROM DTS
          52 00 D0 003F 141 ; MOVL #EFN_K_READ_MAIL,R2 ; GET FUNCTION/INDEX CODE
      54 00'8F 9A 0042 142 ; MOVZBL #TST$K_MAILBUF,R4 ; GET MAILBOX BUFFER SIZE
          FFB7' 30 0046 143 ; BSBW TST$QIOW ; READ MAILBOX
          FFB4' 30 0049 144 ; BSBW TST$EXAM_MAIL ; PARSE MAILBOX MESSAGE
          33 56 B1 004C 145 ; CMPW R6,#MSG$DISCON ; WAS IT A SYNCHRONOUS DISCONNECT?
          13 13 004F 146 ; BEQLU CONN_SUCCESS ; YES, THAT'S OK
          30 56 B1 0051 147 ; CMPW R6,#MSG$ABORT ; WAS IT A DISCONNECT ABORT?
          0E 13 0054 148 ; BEQLU CONN_SUCCESS ; YES, THAT'S OK TOO
50 01F5803B 8F D0 0056 149 ; MOVL #DTS$BADMAIL,R0 ; NOTE INVALID MAIL
      0000'CF 56 3C 005D 150 ; MOVZWL R6,W^TST$GL_FAOARG ; NOTE TYPE OF MAIL
          03 11 0062 151 ; BRB CONN_FAILURE ;
          0064 152 CONN_SUCCESS: ; TEST WAS SUCCESSFUL
          50 01 D0 0064 153 ; MOVL #1,R0 ; SET COMPLETION CODE TO SUCCESS
          0067 154 CONN_FAILURE: ; ENTER HERE IF TEST FAILED
      51 0000'CF 9E 0067 155 ; MOVAB W^TST$GT_CONN,R1 ; RETURN ADDRESS OF TEST ID STRING
          05 006C 156 ; RSB ; YES, EXIT

```

```

006D 158 .SBTTL TST$DATA_DTR - DATA TEST
000C006D 159 .PSECT TST$CODE NOWRT
006D 160
006D 161 :++
006D 162 : FUNCTIONAL DESCRIPTION:
006D 163 :
006D 164 : NONE
006D 165 :
006D 166 : CALLING SEQUENCE:
006D 167 :
006D 168 : BSB/JSB TST$DATA_DTR
006D 169 :
006D 170 : INPUT PARAMETERS:
006D 171 :
006D 172 : R9 TEST SUBFUNCTION VALUE
006D 173 : R10 ADDRESS OF NCB USERDATA FIELD (COUNTED ASCII STRING)
006D 174 : R11 ADDRESS OF NCB DESCRIPTOR BLOCK
006D 175 :
006D 176 : IMPLICIT INPUTS:
006D 177 :
006D 178 : NONE
006D 179 :
006D 180 : OUTPUT PARAMETERS:
006D 181 :
006D 182 : R0 COMPLETION CODE
006D 183 : R1 ADDRESS OF TEST ID STRING
006D 184 : R2-R11 DESTROYED
006D 185 :
006D 186 : IMPLICIT OUTPUTS:
006D 187 :
006D 188 : NONE
006D 189 :
006D 190 : COMPLETION CODES:
006D 191 :
006D 192 : R0 1 = SUCCESS; 0 = FAILURE
006D 193 :
006D 194 : SIDE EFFECTS:
006D 195 :
006D 196 : NONE
006D 197 :
006D 198 :--
006D 199 :
006D 200 TST$DATA_DTR:: : ENTRY POINT
03 59 91 006D 201 CMPB R9,#VAL_K_TYPE_ECHO :
0C 18 0070 202 BLEQU 10$ :
011D 30 0072 203 BSBW TST$CONN REJECT : ISSUE CONNECT REJECT
50 01F58053 8F D0 0075 204 MOVL #DTS$_BADSUBFCN,R0 : ; GIVE REASON FOR FAILURE
6B 11 007C 205 BRB 55$ :
50 03 AA 9E 007E 206 10$: MOVAB 3(R10),R0 : SAVE REMAINING FIELDS IN MESSAGE
02 60 91 0082 207 CMPB (R0),#VAL_K_FLOW_MESS :
0C 13 0085 208 BEQL 20$ :
0108 30 0087 209 BSBW TST$CONN REJECT : ISSUE CONNECT REJECT
50 01F58063 8F D0 008A 210 MOVL #DTS$_INVOPTION,R0 : ; GIVE REASON FOR FAILURE
56 11 0091 211 BRB 55$ :
0000'CF 80 90 0093 212 20$: MOVB (R0)+,W^TST$GB_FLOW : STORE FCOPT VALUE
01 60 91 0098 213 CMPB (R0),#1 :
0C 13 009B 214 BEQL 30$ :

```



```

50 01F58063 00F2 30 009D 215 BSBW TST$CONN_REJECT ; ISSUE CONNECT REJECT
      8F D0 00A0 216 MOVL #DTS$_INVOPTION,R0 ; GIVE REASON FOR FAILURE
      40 11 00A7 217 BRB 55$ ;
0000'CF 80 90 00A9 218 30$: MOV B (R0)+,W^TST$GB_RQUEUE ; STORE FCVAL VALUE
      60 95 00AE 219 TSTB (R0) ;
      0C 13 00B0 220 BEQL 40$ ;
50 01F58063 00DD 30 00B2 221 BSBW TST$CONN_REJECT ; ISSUE CONNECT REJECT
      8F D0 00B5 222 MOVL #DTS$_INVOPTION,R0 ; GIVE REASON FOR FAILURE
      2B 11 00BC 223 BRB 55$ ;
0000'CF 80 90 00BE 224 40$: MOV B (R0)+,W^TST$GB_NAK ; STORE NAK VALUE
      60 95 00C3 225 TSTB (R0) ;
      0C 13 00C5 226 BEQL 50$ ;
50 01F58063 00C8 30 00C7 227 BSBW TST$CONN_REJECT ; ISSUE CONNECT REJECT
      8F D0 00CA 228 MOVL #DTS$_INVOPTION,R0 ; GIVE REASON FOR FAILURE
      16 11 00D1 229 BRB 55$ ;
0000'CF 80 90 00D3 230 50$: MOV B (R0)+,W^TST$GB_BACK ; STORE BPVAL VALUE
1000 8F 60 B1 00D8 231 CMPW (R0),#MAX_K_SIZE_DA ;
      0D 15 00DD 232 BLEQ 60$ ;
50 01F58063 00B0 30 00DF 233 BSBW TST$CONN_REJECT ; ISSUE CONNECT REJECT
      8F D0 00E2 234 MOVL #DTS$_INVOPTION,R0 ; GIVE REASON FOR FAILURE
      009B 31 00E9 235 55$: BRW DATA_FAILURE ;
0000'CF 80 B0 00EC 236 60$: MOVW (R0)+,W^TST$GW_SIZE ; STORE MSGLEN VALUE
      00F1 237 ;
      00F1 238 ;
      00F1 239 ; RESPOND TO CONNECT INITIATE WITH A CONNECT ACCEPT WITHOUT USERDATA.
      00F1 240 ;
      00F1 241 ;
0099 30 00F1 242 BSBW TST$CONN_ACCEPT ;
      00F4 243 ;
      00F4 244 ;
      00F4 245 ; DATA TEST INITIALIZATION
      00F4 246 ;
      00F4 247 ;
0000'CF 7C 00F4 248 CLRQ W^TST$GL_XMITDATA ; ZERO TRANSMIT AND RECEIVE
      00F8 249 ; MESSAGE COUNTERS
0000'CF 7C 00F8 250 CLRQ W^TST$GL_XMITINTE ; ZERO TRANSMIT AND RECEIVE
      00FC 251 ; INTERRUPT MESSAGE COUNTERS
0000'CF 01 D0 00FC 252 MOVL #1,W^TST$GL_STATUS ; SET AST STATUS CODE TO SUCCESS
0000'CF 94 0101 253 CLR B W^TST$GB_ASTFLAGS ; NOTE TIMER RUNNING
00000000'EF 00000000'EF DE 0105 254 MOVAL TST$QB_QHEAD,TST$QB_QHEAD;INIT QUEUE HEAD
00000004'EF 00000000'EF DE 0110 255 MOVAL TST$QB_QHEAD,TST$QB_QHEAD+4
      011B 256 ;
      011B 257 ; PUT REPETITIONS OF THE STANDARD DATA PATTERN IN THE MESSAGE BUFFER
      011B 258 ; BEGINNING AT BUFFER+4.
      011B 259 ;
      011B 260 ;
53 0000'CF 9E 011B 261 MOVAB W^TST$GB_XMITBUF,R3 ; GET ADDRESS OF MESSAGE
      83 D4 0120 262 CLRL (R3)+ ; INITIALIZE MESSAGE SEQUENCE NUMBER
54 0000'CF 3C 0122 263 MOVZWL W^TST$GW_SIZE,R4 ; GET MESSAGE SIZE
      54 04 B1 0127 264 CMPW #4,R4 ; ANY DATA IN MSG?
      06 18 012A 265 BGEQ 70$ ; NO, SO WHY FILLBUFFER
      54 04 C2 012C 266 SUBL2 #4,R4 ; REDUCE SIZE ACCORDINGLY
      FECE' 30 012F 267 BSBW TST$STANDARD ; PUT STD DATA PATTERN IN BUFFER
      0132 268 ;
      0132 269 70$: ;
      0132 270 ;
      0132 271 ; RECEIVE [AND TRANSMIT] DATA MESSAGES UNTIL DTS DISCONNECTS THE LINK

```

```
0132 272 :  
0132 273 :  
54 52 07 D0 0132 274 MOVL #EFN_K_RECV_DATA,R2 ; GET FUNCTION/INDEX CODE  
0000'CF 3C 0135 275 MOVZWL W^TST$GW_SIZE,R4 ; GET MESSAGE SIZE  
55 0000'CF 9E 013A 276 MOVAB W^TST$RECVAST_DTR,R5 ; GET ADDRESS OF AST ROUTINE  
FEBE' 30 013F 277 BSBW TST$QIOAST ; START UP RECEIVE MESSAGE STREAM  
52 00 D0 0142 278 MOVL #EFN_K_READ_MAIL,R2 ; GET FUNCTION/INDEX CODE  
54 00'8F 9A 0145 279 MOVZBL #TST$K_MAILBUF,R4 ; GET MAILBOX BUFFER SIZE  
55 0000'CF 9E 0149 280 MOVAB W^TST$MAILAST_DTR,R5 ; GET ADDRESS OF AST ROUTINE  
FEAF' 30 014E 281 BSBW TST$QIOAST ; START UP READ MAILBOX STREAM  
0151 282 :  
0151 283 :  
0151 284 : WAIT FOR LINK DISCONNECT  
0151 285 :  
07 11 0151 286 :  
0151 287 BRB 110$ ; CHECK FOR ASTS  
0153 288 100$: ;  
0153 289 $HIBER_S ; GO TO SLEEP TILL AN AST  
015A 290 110$: ;  
50 23 0000'CF E8 015A 291 BLBS W^TST$GB_ASTFLAGS,120$ ; JUMP IF TIMER EXPIRED  
00000000'FF OF 015F 292 REMQUE @TST$QB_QHEAD,R0 ; DEQUEUE AN AST  
EB 1D 0166 293 BVS 100$ ; NOTHING THERE , SLEEP  
52 0000'CO D0 0168 294 MOVL TST$QB_CODE(R0),R2 ; QIO FUNCTION/CODE  
54 0000'CO D0 016D 295 MOVL TST$QB_BUFLN(R0),R4 ; SIZE FOR DATA MSG  
55 0000'CO D0 0172 296 MOVL TST$QB_ASTADR(R0),R5 ; AST ADDRESS FOR QIO  
FE86' 30 0177 297 BSBW TST$QIOAST ; DO QIO WITH AST  
017A 298 CHECK_SS ; MAKE SERVICE OKAY  
DA 51 E8 017D 299 BLBS R1,110$ ; IF OKAY BR  
05 11 0180 300 BRB DATA_FAILURE ; LINK ABORTED  
0182 301 120$: ;  
0182 302 :  
0182 303 :  
0182 304 : DATA TEST IS FINISHED  
0182 305 :  
50 0000'CF D0 0182 306 :  
0182 307 MOVL W^TST$GL_STATUS,R0 ; POST STATUS  
51 0000'CF 9E 0187 308 DATA_FAILURE: ; ENTER HERE IF TEST FAILED  
05 0187 309 MOVAB W^TST$GT_DATA,R1 ; RETURN ADDRESS OF TEST ID STRING  
018C 310 RSB ; EXIT  
018D 311 :  
018D 312 :  
018D 313 : SUBROUTINE TO ISSUE A CONNECT ACCEPT WITHOUT USERDATA.  
018D 314 :  
018D 315 :  
018D 316 TST$CONN ACCEPT: ; CONTROL POINT  
52 01 D0 018D 317 MOVL #EFN_K_CONN_ACCE,R2 ; GET FUNCTION/INDEX CODE  
03 11 0190 318 BRB ACCEPT_REJECT ; JOIN COMMON CODE  
0192 319 :  
0192 320 :  
0192 321 : SUBROUTINE TO ISSUE A CONNECT REJECT WITHOUT USERDATA.  
0192 322 :  
0192 323 :  
52 02 D0 0192 324 TST$CONN REJECT: ; CONTROL POINT  
0192 325 MOVL #EFN_K_CONN_REJE,R2 ; GET FUNCTION/INDEX CODE  
0195 326 ACCEPT_REJECT: ; CONTROL POINT  
0195 327 :  
0195 328 :
```

```
0195 329 : AN ALTERNATE TO THE FOLLOWING TWO INSTRUCTIONS IS:
0195 330 :
0195 331 :         CLRB      (R10)
0195 332 :
0195 333 : THE LONGER SEQUENCE BELOW IS USED TO CHECKOUT NETACP'S HANDLING
0195 334 : OF NO USERDATA STRING PRESENT.
0195 335 :
0195 336 :
6B  8A  22  90 0195 337         MOVB      #^A'\', (R10)+      ; TERMINATE NCB STRING BEFORE
5A  54  04  AB  C3 0198 338         ; COUNTED USERDATA STRING
54  5B  D0 0198 339         SUBL3     4(R11),R10,(R11)    ; REDUCE SIZE 'N NCB DESCRIPTOR
FE5D' 30 019D 340         MOVL      R11,R4          ; P2 = ADDRESS OF NCB DESCRIPTOR BLOCK
05  01A0 341         BSBW      TST$QIOW        ; ISSUE THE CONNECT REJECT
05  01A3 342         RSB          ; EXIT
```

```

000001A4 344      .SBTTL  TST$DISC_DTR - DISCONNECT TEST
01A4     345      .PSECT  TST$CODE-      NOWRT
01A4     346
01A4     347      :++
01A4     348      : FUNCTIONAL DESCRIPTION:
01A4     349      :
01A4     350      :     NONE
01A4     351      :
01A4     352      : CALLING SEQUENCE:
01A4     353      :
01A4     354      :     BSB/JSB TST$DISC_DTR
01A4     355      :
01A4     356      : INPUT PARAMETERS:
01A4     357      :
01A4     358      :     R9     TEST SUBFUNCTION VALUE
01A4     359      :     R10    ADDRESS OF NCB USERDATA FIELD (COUNTED ASCII STRING)
01A4     360      :     R11    ADDRESS OF NCB DESCRIPTOR BLOCK
01A4     361      :
01A4     362      : IMPLICIT INPUTS:
01A4     363      :
01A4     364      :     NONE
01A4     365      :
01A4     366      : OUTPUT PARAMETERS:
01A4     367      :
01A4     368      :     R0     COMPLETION CODE
01A4     369      :     R1     ADDRESS OF TEST ID STRING
01A4     370      :     R2-R11 DESTROYED
01A4     371      :
01A4     372      : IMPLICIT OUTPUTS:
01A4     373      :
01A4     374      :     NONE
01A4     375      :
01A4     376      : COMPLETION CODES:
01A4     377      :
01A4     378      :     R0     1 = SUCCESS; 0 = FAILURE
01A4     379      :
01A4     380      : SIDE EFFECTS:
01A4     381      :
01A4     382      :     NONE
01A4     383      :
01A4     384      : --
01A4     385
01A4     386  TST$DISC_DTR::      : ENTRY POINT
05      59      91 01A4     387      CMPB     R9,#5      :
01A4     388      BLEQU   SS      :
50      01F58053 8F 01A9     389      BSBW    TST$CONN_REJECT      : ISSUE CONNECT REJECT
01A4     390      MOVL    #DTSS_BADSUBFCN,R0      : GIVE REASON FOR FAILURE
01A4     391      BRB     DISC_FAILURE      :
01A4     392
01A4     393      :
01A4     394      : RESPOND TO CONNECT INITIATE WITH A CONNECT ACCEPT WITHOUT USERDATA.
01A4     395      :
01A4     396
01A4     397      57      6A      90 01B5     397      55:      MOVB    (R10),R7      : SAVE USERDATA STRING COUNT
01A4     398      FFD2     30 01B8     398      BSBW    TST$CONN_ACCEPT      :
01A4     399      5A      07 01B8     399      DECL   R10      : RESTORE POINTER
01A4     400      6A      57 01BD     400      MOVB    R7,(R10)      : RESTORE USERDATA STRING COUNT

```

```

01C0 401
01C0 402
01C0 403 : CONTINUE SET-UP FOR DISCONNECT OF LINK JUST ESTABLISHED.
01C0 404 :
01C0 405 :
56 54 0000'CF 7E 01C0 406      MOVAQ  W^TST$GQ_DEACCESS,R4      : P2 = ADDR OF USERDATA DESC BLOCK
59 59  FF 8F 9C 01C5 407      ROTL   #-1,R9,R8                  : DIVIDE DISTEST FIELD BY 2 TO
01CA 408                  : DETERMINE WHAT TYPE (IF ANY)
01CA 409                  : OF USERDATA IS TO BE RETURNED.
01CA 410      $CASEB  SELECTOR=R6,DISPL=<- : RETURN:
01CA 411      10$-      : NO USERDATA
01CA 412      20$-      : STANDARD DATA
01CA 413      30$-      : RECEIVED DATA
01CA 414      > :
          54  D4 01D4 415 10$: CLRL   R4                  : P2 = 0; SPECIFY NO USERDATA
          19  11 01D6 416      BRB    40$                : CONTINUE
          64  11  D0 01D8 417 20$: MOVL   #<1+16>,(R4)      : SPECIFY SIZE OF USERDATA
04 04 0000'CF 10 90 01DB 418                  : COUNTED STRING
A4 04 0000'CF 09 9E 01E0 419      MOVB   #16,W^TST$GT_STANDARD : MODIFY COUNT
          64  09  11 01E6 420      MOVAB  W^TST$GT_STANDARD,4(R4) : SPECIFY ADDRESS OF COUNTED STRING
          64  6A  9A 01E8 421      BRB    40$                : CONTINUE
          64  6A  9A 01E8 422 30$: MOVZBL (R10),(R4)        : SPECIFY SIZE OF RECEIVED DATA
04  A4  5A  D6 01EB 423      INCL   (R4)                : COUNTED STRING
          5A  D0 01ED 424      MOVL   R10,4(R4)            : SPECIFY ADDRESS OF COUNTED STRING
01F1 425
01F1 426 :
01F1 427 : DETERMINE WHETHER TO RESPOND WITH A SYNCHRONOUS DISCONNECT OR A
01F1 428 : DISCONNECT ABORT.
01F1 429 :
          52  03  D0 01F1 431 40$: MOVL   #EFN_K_DISC_SYNC,R2 : ASSUME SYNCHRONOUS DISCONNECT
          03  59  E9 01F4 432      BLBC   R9,50$-          : IS IT A SYNC DISCONNECT REQUEST?
          52  04  D0 01F7 433      MOVL   #EFN_K_DISC_ABRT,R2 : NO IT'S A DISCONNECT ABORT
          FE03' 30 01FA 434 50$: BSBW   TST$QIOW          : DISCONNECT THE LINK
          50  01  D0 01FD 435 DISC_SUCCESS: : TEST WAS SUCCESSFUL
          01FD 436      MOVL   #1,R0                  : SET COMPLETION CODE TO SUCCESS
51 04 0000'CF 9E 0200 437 DISC_FAILURE: : ENTER HERE IF TEST FAILED
          05  05 0205 438      MOVAB  W^TST$GT_DISC,R1      : RETURN ADDRESS OF TEST ID STRING
          05 0205 439      RSB : EXIT

```

```

0000 0206 441      .SBTTL TST$INTE_DTR - INTERRUPT TEST
      0206 442      .PSECT TST$CODE-      NOWRT
      0206 443
      0206 444      :++
      0206 445      : FUNCTIONAL DESCRIPTION:
      0206 446      :
      0206 447      :     NONE
      0206 448      :
      0206 449      : CALLING SEQUENCE:
      0206 450      :
      0206 451      :     BSB/JSB TST$INTE_DTR
      0206 452      :
      0206 453      : INPUT PARAMETERS:
      0206 454      :
      0206 455      :     R9     TEST SUBFUNCTION VALUE
      0206 456      :     R10    ADDRESS OF NCB USERDATA FIELD (COUNTED ASCII STRING)
      0206 457      :     R11    ADDRESS OF NCB DESCRIPTOR BLOCK
      0206 458      :
      0206 459      : IMPLICIT INPUTS:
      0206 460      :
      0206 461      :     NONE
      0206 462      :
      0206 463      : OUTPUT PARAMETERS:
      0206 464      :
      0206 465      :     R0     COMPLETION CODE
      0206 466      :     R1     ADDRESS OF TEST ID STRING
      0206 467      :     R2-R11 DESTROYED
      0206 468      :
      0206 469      : IMPLICIT OUTPUTS:
      0206 470      :
      0206 471      :     NONE
      0206 472      :
      0206 473      : COMPLETION CODES:
      0206 474      :
      0206 475      :     R0     1 = SUCCESS; 0 = FAILURE
      0206 476      :
      0206 477      : SIDE EFFECTS:
      0206 478      :
      0206 479      :     NONE
      0206 480      :
      0206 481      : --
      0206 482
      0206 483 TST$INTE_DTR::
      0206 484      : ENTRY POINT
      03 59 91 0206 484      CMPB      R9,#VAL_K_TYPE_ECHO      :
      0206 485      BLEQU     10$      :
      0206 486      BSBW      TST$CONN_REJECT      : ISSUE CONNECT REJECT
      50 01F58053 8F D0 020E 487      MOVL     #DTSS_BADSUBFCN,R0      : GIVE REASON FOR FAILURE
      0206 488      BRB       15$      : INTERRUPT FAILURE
      01 03 AA 91 0217 489 10$:      CMPB      3(R10),#1      :
      0206 490      BEQL     20$      :
      0206 491      BSBW      TST$CONN_REJECT      : ISSUE CONNECT REJECT
      50 01F58063 8F D0 021D 491      MOVL     #DTSS_INVOPTION,R0      : GIVE REASON FOR FAILURE
      0206 492      BRW       15$      :
      0000'CF 03 AA 90 022A 494 20$:      MGVB     3(R10),W^TST$GB_RQUEUE      : STORE FCVAL VALUE
      0206 495      MOVW     #MAX_K_SIZE_IN,=      : STORE INTERRUPT MESSAGE SIZE
      0206 496      :         W^TST$GW_SIZE      : SINCE THE TEST REQUEST DOES NOT
      0235 497      :         : SPECIFY A SIZE, MAKE IT THE

```

```

                                0235 498                                ; MAXIMUM SIZE
                                0235 499
                                0235 500
                                0235 501 : RESPOND TO CONNCT INITIATE WITH A CONNECT ACCEPT WITHOUT USERDATA.
                                0235 502 :
                                0235 503
                                FF55 30 0235 504          BSBW  TST$CONN_ACCEPT          ;
                                0238 505
                                0238 506 : INTERRUPT TEST INITIALIZATION
                                0238 507 :
                                0238 508
                                0238 509
                                0000'CF 7C 0238 510          CLRQ  W^TST$GL_XMITDATA          ; ZERO TRANSMIT AND RECEIVE
                                023C 511          : MESSAGE COUNTERS
                                0000'CF 7C 023C 512          CLRQ  W^TST$GL_XMITINTE          ; ZERO TRANSMIT AND RECEIVE
                                0000'CF 01 D0 0240 513          MOVL  #1,W^TST$GL_STATUS          ; SET AST STATUS CODE TO SUCCESS
                                0245 514          : INTERRUPT MESSAGE COUNTERS
                                0000'CF 94 0245 515          CLRQ  W^TST$GB_ASTFLAGS          ; NOTE TIMER RUNNING
                                00000000'EF 00000000'EF DE 0249 516          MOVAL TST$QB_QHEAD,TST$QB_QHEAD;INIT QUEUE HEAD
                                00000004'EF 00000000'EF DE 0254 517          MOVAL TST$QB_QHEAD,TST$QB_QHEAD+4
                                025F 518 :
                                025F 519 : PUT REPETITIONS OF THE STANDARD DATA PATTERN IN THE INTERRUPT MESSAGE BUFFER
                                025F 520 : BEGINNING AT BUFFER+4.
                                025F 521 :
                                025F 522
                                53 0000'CF 9E 025F 523          MOVAB W^TST$GB_INTEBUF,R3          ; GET ADDRESS OF MESSAGE
                                83 D4 0264 524          CLRL  (R3)+                      ; INITIALIZE MESSAGE SEQUENCE NUMBER
                                54 0000'CF 3C 0266 525          MOVZWL W^TST$GW_SIZE,R4          ; GET MESSAGE SIZE
                                54 04 B1 026B 526          CMPW  #4,R4                      ; ANY DATA IN MSG?
                                06 18 026E 527          BGEQ  30$                        ; NOPE DONT FILL BUFFER
                                54 04 C2 0270 528          SUBL2 #4,R4                      ; REDUCE SIZE ACCORDINGLY
                                FD8A' 30 0273 529          BSBW  TST$STANDARD              ; PUT STD DATA PATTERN IN BUFFER
                                0276 530
                                0276 531 30$:
                                0276 532 :
                                0276 533 : RECEIVE [AND TRANSMIT] INTERRUPT MESSAGES UNTIL DTS DISCONNECTS THE LINK
                                0276 534 :
                                0276 535
                                52 00 D0 0276 536          MOVL  #EFN_K_READ_MAIL,R2          ; GET FUNCTION/INDEX CODE
                                54 00'8F 9A 0279 537          MOVZBL #TST$K_MAILBUF,R4          ; GET MAILBOX BUFFER SIZE
                                55 0000'CF 9E 027D 538          MOVAB W^TST$MAILAST_DTR,R5          ; GET ADDRESS OF AST ROUTINE
                                FD7B' 30 0282 539          BSBW  TST$QIOAST                ; START UP READ MAILBOX STREAM
                                0285 540
                                0285 541 :
                                0285 542 : WAIT FOR LINK DISCONNECT
                                0285 543 :
                                0285 544
                                07 11 0285 545          BRB  110$                        ;CHECK FOR ASTS
                                0287 546 100$:
                                0287 547          $HIBER_S                      ;GO TO SLEEP TILL AN AST
                                028E 548 110$:
                                50 23 0000'CF E8 028E 549          BLBS  W^TST$GB_ASTFLAGS,120$      ;JUMP IF TIMER EXPIRED
                                00000000'FF 0F 0293 550          REMQUE @TST$QB_QHEAD,R0          ;DEQUEUE AN AST
                                EB 1D 029A 551          BVS  100$                        ;NOTHING THERE ,SLEEP
                                52 0000'CO D0 029C 552          MOVL  TST$QB_CODE(R0),R2          ;QIO FUNCTION/CODE
                                54 0000'CO D0 02A1 553          MOVL  TST$QB_BUFLEN(R0),R4          ;SIZE FOR DATA MSG
                                55 0000'CO D0 02A6 554          MOVL  TST$QB_ASTADR(R0),R5          ;AST ADDRESS FOR QIO

```

```
FD52' 30 02AB 555          BSBW  TST$QIOAST          ;DO QIO WITH AST
                                02AE 556          CHECK_SS          ;MAKE SERVICE OKAY
07 51  E9 02B1 557          BLBC  R1,INTE_FAILURE      ;LINK ABORTED
DB      11 02B4 558          BRB   110$              ;DEQUEUE ANOTHER
                                02B6 559 120$:
                                02B6 560
                                02B6 561
                                02B6 562 : INTERRUPT TEST IS FINISHED
                                02B6 563 :
                                02B6 564
50 0000'CF D0 02B6 565          MOVL  W^TST$GL_STATUS,R0      ; POST STATUS
                                02BB 566 INTE_FAILURE:          ; ENTER HERE IF TEST FAILED
51 0000'CF 9E 02BB 567          MOVAB W^TST$GT_INTE,R1      ; RETURN ADDRESS OF TEST ID STRING
05 02C0 568          RSB                                ; EXIT
```



```

0000 02C1 570          .SBTTL  TST$MISC_DTR - MISCELLANEOUS TEST
      02C1 571          .PSECT  TST$CODE=      NOWRT
      02C1 572
      02C1 573      :++
      02C1 574      : FUNCTIONAL DESCRIPTION:
      02C1 575      :
      02C1 576      :     NONE
      02C1 577      :
      02C1 578      : CALLING SEQUENCE:
      02C1 579      :
      02C1 580      :     BSB/JSB TST$MISC_DTR
      02C1 581      :
      02C1 582      : INPUT PARAMETERS:
      02C1 583      :
      02C1 584      :     R9     TEST SUBFUNCTION VALUE
      02C1 585      :     R10    ADDRESS OF NCB USERDATA FIELD (COUNTED ASCII STRING)
      02C1 586      :     R11    ADDRESS OF NCB DESCRIPTOR BLOCK
      02C1 587      :
      02C1 588      : IMPLICIT INPUTS:
      02C1 589      :
      02C1 590      :     NONE
      02C1 591      :
      02C1 592      : OUTPUT PARAMETERS:
      02C1 593      :
      02C1 594      :     R0     COMPLETION CODE
      02C1 595      :     R1     ADDRESS OF TEST ID STRING
      02C1 596      :     R2-R11  DESTROYED
      02C1 597      :
      02C1 598      : IMPLICIT OUTPUTS:
      02C1 599      :
      02C1 600      :     NONE
      02C1 601      :
      02C1 602      : COMPLETION CODES:
      02C1 603      :
      02C1 604      :     RC     1 = SUCCESS; 0 = FAILURE
      02C1 605      :
      02C1 606      : SIDE EFFECTS:
      02C1 607      :
      02C1 608      :     NONE
      02C1 609      :
      02C1 610      : --
      02C1 611
      02C1 612 TST$MISC_DTR::      : ENTRY POINT
      02C1 613 MISC_SUCCESS:      : TEST WAS SUCCESSFUL
      50 01  DO 02C1 614      MOVL  #1,R0      : SET COMPLETION CODE TO SUCCESS
      02C4 615 MISC_FAILURE:      : ENTER HERE IF TEST FAILED
      51 0000'CF 9E 02C4 616      MOVAB W*TST$GT_MISC,R1  : RETURN ADDRESS OF TEST ID STRING
      05 02C9 617      RSB      : EXIT
  
```

```

000002CA 619      .SBTTL TST$BAD_DTR - INVALID TEST TYPE
02CA 620      .PSECT TST$CODE      NOWRT
02CA 621
02CA 622      :++
02CA 623      : FUNCTIONAL DESCRIPTION:
02CA 624      :
02CA 625      :     NONE
02CA 626      :
02CA 627      : CALLING SEQUENCE:
02CA 628      :
02CA 629      :     BSB/JSB TST$BAD_DTR
02CA 630      :
02CA 631      : INPUT PARAMETERS:
02CA 632      :
02CA 633      :     R9     TEST SUBFUNCTION VALUE
02CA 634      :     R10    ADDRESS OF NCB USERDATA FIELD (COUNTED ASCII STRING)
02CA 635      :     R11    ADDRESS OF NCB DESCRIPTOR BLOCK
02CA 636      :
02CA 637      : IMPLICIT INPUTS:
02CA 638      :
02CA 639      :     NONE
02CA 640      :
02CA 641      : OUTPUT PARAMETERS:
02CA 642      :
02CA 643      :     R0     COMPLETION CODE
02CA 644      :     R1     ADDRESS OF TEST ID STRING
02CA 645      :     R2-R11 DESTROYED
02CA 646      :
02CA 647      : IMPLICIT OUTPUTS:
02CA 648      :
02CA 649      :     NONE
02CA 650      :
02CA 651      : COMPLETION CODES:
02CA 652      :
02CA 653      :     R0     8 = FAILURE
02CA 654      :
02CA 655      : SIDE EFFECTS:
02CA 656      :
02CA 657      :     NONE
02CA 658      :
02CA 659      : --
02CA 660
02CA 661 TST$BAD_DTR::
50      FECS 30 02CA 662      BSBW     TST$CONN REJECT      : ENTRY POINT
01F5805B 8F 00 02CA 663      MOVL    #DTSS_BADFUNC,R0      : ISSUE CONNECT REJECT
51      0000'CF 9E 02D4 664      MOVAB  W^TST$GT_ERROR,R1      : GIVE REASON FOR FAILURE
05      02D9 665      RSB      : RETURN ADDRESS OF TEST ID STRING
02DA 666      .END      : EXIT

```

TSTSDTRTEST
Symbol table

- DTR TEST ROUTINES

L 2

16-SEP-1984 01:27:40 VAX/VMS Macro V04-00
5-SEP-1984 00:22:20 [DTS DTR.SRC]DTRTEST.MAR;1

Page 16
(8)

\$\$COUNT	= 00000003			TST\$MAILAST DTR	*****	X	02
ACCEPT_REJECT	00000195	R	02	TST\$MISC_DTR	000002C1	RG	02
CONN_FAILURE	00000067	R	02	TST\$QB_ASTADR	*****	X	02
CONN_SUCCESS	00000064	R	02	TST\$QB_BUFLN	*****	X	02
DATA_FAILURE	00000187	R	02	TST\$QB_CODE	*****	X	02
DISC_FAILURE	00000200	R	02	TST\$QB_QHEAD	*****	X	02
DISC_SUCCESS	000001FD	R	02	TST\$QIDAST	*****	X	02
DTSS_BADFUNC	= 01F5805B			TST\$QIOW	*****	X	02
DTSS_BADMAIL	= 01F5803B			TST\$RECVAST DTR	*****	X	02
DTSS_BADSUBFCN	= 01F58053			TST\$STANDARD	*****	X	02
DTSS_INVOPTION	= 01F58063			VAL_K_BACK_NO	= 00000000		
EFN_R_CONN_ACCE	= 00000001			VAL_K_DISP_NO	= 00000000		
EFN_K_CONN_REJE	= 00000002			VAL_K_FLOW_MESS	= 00000002		
EFN_K_DISC_ABRT	= 00000004			VAL_K_NAK_NO	= 00000000		
EFN_K_DISC_SYNC	= 00000003			VAL_K_PRIQ_NO	= 00000000		
EFN_K_READ_MAIL	= 00000000			VAL_K_RETU_NO	= 00000000		
EFN_K_RECV_DATA	= 00000007			VAL_K_STAT_YES	= 00000001		
INTE_FAILURE	000002BB	R	02	VAL_K_TYPE_ABRT	= 00000001		
K_LIST_MEB	= 00000000			VAL_K_TYPE_ACCE	= 00000001		
MAX_K_SIZE_DA	= 00001000			VAL_K_TYPE_ECHO	= 00000003		
MAX_K_SIZE_IN	= 00000010			VAL_K_TYPE_NAME	= 00000000		
MISC_FAILURE	000002C4	R	02	VAL_K_TYPE_SINK	= 00000000		
MISC_SUCCESS	000002C1	R	02				
MSG\$_ABORT	= 00000030						
MSG\$_DISCON	= 00000033						
RT	00000000	RG	02				
SYSSHIBER	*****	GX	02				
TST\$BAD_DTR	000002CA	RG	02				
TST\$CHECK_SS	*****	X	02				
TST\$CONN_ACCEPT	0000018D	RG	02				
TST\$CONN_DTR	00000000	RG	02				
TST\$CONN_REJECT	00000192	RG	02				
TST\$DATA_DTR	0000006D	RG	02				
TST\$DISC_DTR	000001A4	RG	02				
TST\$EXAM_MAIL	*****	X	02				
TST\$GB_ASTFLAGS	*****	X	02				
TST\$GB_BACK	*****	X	02				
TST\$GB_FLOW	*****	X	02				
TST\$GB_INTEBUF	*****	X	02				
TST\$GB_NAK	*****	X	02				
TST\$GB_RQUEUE	*****	X	02				
TST\$GB_XMITBUF	*****	X	02				
TST\$GL_FAOARG	*****	X	02				
TST\$GL_STATUS	*****	X	02				
TST\$GL_XMITDATA	*****	X	02				
TST\$GL_XMITINTE	*****	X	02				
TST\$GQ_DEACCESS	*****	X	02				
TST\$GT_CONN	*****	X	02				
TST\$GT_DATA	*****	X	02				
TST\$GT_DISC	*****	X	02				
TST\$GT_ERROR	*****	X	02				
TST\$GT_INTE	*****	X	02				
TST\$GT_MISC	*****	X	02				
TST\$GT_STANDARD	*****	X	02				
TST\$GW_SIZE	*****	X	02				
TST\$INTE_DTR	00000206	RG	02				
TST\$K_MAILBUF	*****	X	02				

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
TST\$CODE	000002DA (730.)	02 (2.)	NGPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	36	00:00:00.08	00:00:00.78
Command processing	133	00:00:00.67	00:00:03.18
Pass 1	207	00:00:05.17	00:00:13.99
Symbol table sort	0	00:00:00.23	00:00:00.33
Pass 2	122	00:00:01.89	00:00:05.10
Symbol table output	8	00:00:00.07	00:00:00.10
Psect synopsis output	2	00:00:00.03	00:00:00.10
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	510	00:00:08.14	00:00:23.59

The working set limit was 1350 pages.
25405 bytes (50 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 208 non-local and 31 local symbols.
728 source lines were read in Pass 1, producing 18 object records in Pass 2.
22 pages of virtual memory were used to define 18 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[DTS DTR.OBJ]DTS DTR.MLB;1	6
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	6
TOTALS (all libraries)	12

289 GETS were required to define 12 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:DTRTEST/OBJ=OBJ\$:DTRTEST MSRCS:DTPREFIX/UPDATE=(ENHS:DTPREFIX)+MSRCS:DTRTEST/UPDATE=(ENHS:DTRTEST)

