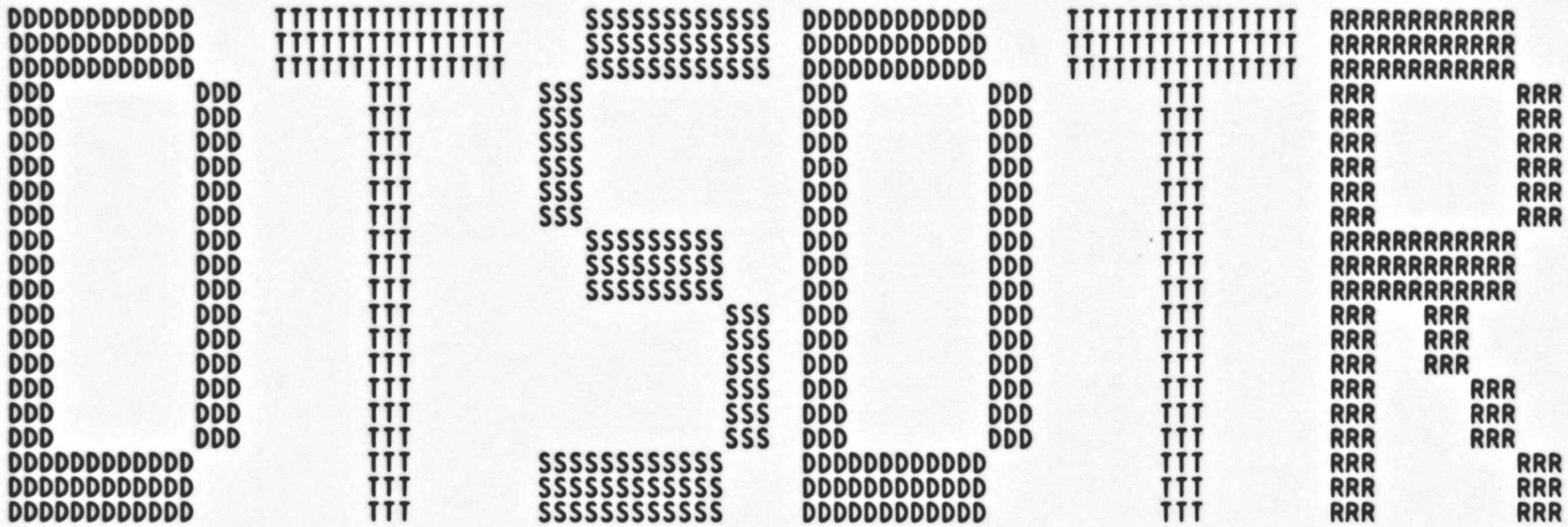
DDDDDDDDDDDD TTTTTTTTTTTTTTT SSSSSSSSSSS DDDDDDDDDDDD TTTTTTTTTTTTTTT RRRRRRRRRRR
DDDDDDDDDDDD TTTTTTTTTTTTTTT SSSSSSSSSSS DDDDDDDDDDDD TTTTTTTTTTTTTTT RRRRRRRRRRR
DDDDDDDDDDDD TTTTTTTTTTTTTTT SSSSSSSSSSS DDDDDDDDDDDD TTTTTTTTTTTTTTT RRRRRRRRRRR
DDD DDD TTT SSS DDD DDD TTT RRR RRR
DDD DDD TTT SSS DDD 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 SSSSSSSSS DDD DDD TTT RRRRRRRRRRR
DDD DDD TTT SSSSSSSSS DDD DDD TTT RRRRRRRRRRR
DDD DDD TTT SSSSSSSSS DDD DDD TTT RRRRRRRRRRR
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 SSSSSSSSSSS DDDDDDDDDDDD TTT RRR RRR
DDDDDDDDDDDD TTT SSSSSSSSSSS DDDDDDDDDDDD TTT RRR RRR
DDDDDDDDDDDD TTT SSSSSSSSSSS DDDDDDDDDDDD TTT RRR RRR

FILEID**DTGLOBAL

```
DDDDDDDD    TTTTTTTTTT    GGGGGGGG  LL          OOOOOO    BBBBBBBB     AAAAAA    LL
DDDDDDDD    TTTTTTTTTT    GGGGGGGG  LL          OOOOOO    BBBBBBBB     AAAAAA    LL
DD      DD      TT      GG          LL        OO      OO  BB      BB  AA    AA  LL
DD      DD      TT      GG          LL        OO      OO  BB      BB  AA    AA  LL
DD      DD      TT      GG          LL        OO      OO  BB      BB  AA    AA  LL
DD      DD      TT      GG          LL        OO      OO  BB      BB  AA    AA  LL
DD      DD      TT      GG          LL        OO      OO  BBBBBBBB    AA    AA  LL
DD      DD      TT      GG          LL        OO      OO  BBBBBBBB    AA    AA  LL
DD      DD      TT      GG  GGGGGG  LL        OO      OO  BB      BB  AAAAAAAAAA  LL
DD      DD      TT      GG  GGGGGG  LL        OO      OO  BB      BB  AAAAAAAAAA  LL
DD      DD      TT      GG      GG  LL        OO      OO  BB      BB  AA    AA  LL          ....
DD      DD      TT      GG      GG  LL        OO      OO  BB      BB  AA    AA  LL          ....
DDDDDDDD        TT        GGGGGG    LLLLLLLLLL    OOOOOO    BBBBBBBB     AA    AA  LLLLLLLLLL  ....
DDDDDDDD        TT        GGGGGG    LLLLLLLLLL    OOOOOO    BBBBBBBB     AA    AA  LLLLLLLLLL  ....

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     1          .TITLE  TST$DTGLOBAL - GLOBAL STORAGE SECTION FOR DTS/DTR
0000     2          .IDENT  'V04-000'
0000     3
0000     4  ;
0000     5  ;****************************************************************************
0000     6  ;*                                                                          *
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0000    24  ;*                                                                          *
0000    25  ;*                                                                          *
0000    26  ;****************************************************************************
0000    27  ;
0000    28
0000    29  ;++
0000    30  ; FACILITY: DTS/DTR DECNET TEST PACKAGE
0000    31  ;
0000    32  ; ABSTRACT: GLOBAL STORAGE SECTION FOR DTS/DTR
0000    33  ;
0000    34  ; ENVIRONMENT: DTS/DTR RUN IN USER MODE AND REQUIRE NETWORK PRIVILEGE.
0000    35  ;
0000    36  ; AUTHOR: JAMES A. KRYCKA,      CREATION DATE:  11-AUG-77
0000    37  ;
0000    38  ; MODIFICATIONS:
0000    39  ;
0000    40  ;       V02-012 JAK0001         Jim Krycka      21-March-1980
0000    41  ;               Change printed version number to 2.00 on startup
0000    42  ;
0000    43  ;       X0.1-11 DJD0002         Darrell Duffy   4-January-1980
0000    44  ;               Remove timeout from command rab
0000    45  ;
0000    46  ;       X0.1-10 DJD0001         Darrell Duffy   10-December-1979
0000    47  ;               Changes to call LIB$ASN_WTH_MBX
0000    48  ;
0000    49  ;--
```

```
                     0000     51          .SBTTL  DECLARATIONS
                  00000000    52          .PSECT  TST$IMPURE      NOEXE,LONG
                     0000     53
                     0000     54 ;
                     0000     55 ; INCLUDE FILES:
                     0000     56 ;
                     0000     57          $IODEF                          ; DEFINE QIO FUNCTION CODES
                     0000     58          EFNDEF                          ; DEFINE EFN'S AND FUNCTION CODES
                     0000     59          CMDDEF                          ; DEFINE COMMAND LANGUAGE SYMBOLS
                     0000     60          .IIF NE K_LIST_MEB, .LIST MEB   ; DEFINED IN DTPREFIX.MAR
                     0000     61 ;
                     0000     62 ; MACROS:
                     0000     63 ;
                     0000     64 ;        NONE
                     0000     65 ;
                     0000     66 ; EQUATED SYMBOLS:
                     0000     67 ;
           00000040  0000     68          TST$K_MAILBUF==64                   ; MAILBOX BUFFER LENGTH
           00000200  0000     69          TST$K_MAILQUOTA==TST$K_MAILBUF*8 ; MAILBOX QUOTA
                     0000     70 ;                                          ; Following is no longer needed
                     0000     71 ;        TST$K_MAILPROT==^X0000            ; MAILBOX PROTECTION MASK
           00001000  0000     72          TST$K_XMITBUF==MAX_K_SIZE_DA      ; TRANSMIT BUFFER LENGTH
           00001000  0000     73          TST$K_RECVBUF==MAX_K_SIZE_DA      ; RECEIVE BUFFER LENGTH
           00000010  0000     74          TST$K_INTEBUF==MAX_K_SIZE_IN      ; INTERRUPT BUFFER LENGTH
           00000084  0000     75          TST$K_CMDBUF==132                 ; COMMAND BUFFER LENGTH
           00000200  0000     76          TST$K_PRTBUF==512                 ; PRINT BUFFER LENGTH
                     0000     77 ;
                     0000     78 ;WEAKEN DEFINITIONS THAT MAY NOT BE FOUND,DEPENDING ON MODULE
                     0000     79
                     0000     80          .WEAK   TST$XMITAST_DTR,TST$RECVAST_DTR,TST$MAILAST_DTR
                     0000     81          .WEAK   TST$INTEAST_DTR,TST$XMITAST_DTS,TST$RECVAST_DTS
                     0000     82          .WEAK   TST$MAILAST_DTS,TST$INTEAST_DTS
                     0000     83 ;
                     0000     84 ;
                     0000     85 ;OFFSETS IN AST QUEUE BLOCK
                     0000     86
           00000000  0000     87          TST$QB_FLINK==0
           00000004  0000     88          TST$QB_BLINK==4                 ;BACK LINK
           00000008  0000     89          TST$QB_CODE==8                  ;QIO FUNCTION INDEX
           0000000C  0000     90          TST$QB_ASTADR==12               ;AST ROUTINE ADDRESS
           00000010  0000     91          TST$QB_BUFLEN==16               ;BUFFER SIZE
                     0000     92 ;
                     0000     93 ; OWN STORAGE:
                     0000     94 ;
                     0000     95
                     0000     96 ;
                     0000     97 ; QIO PARAMETER BLOCKS FOR FUNCTIONS OVER THE COMMUNICATIONS LINK AND
                     0000     98 ; FOR THE ASSOCIATED MAILBOX.
                     0000     99 ;
                     0000    100
                     0000    101 ;*****************************************************************************
                     0000    102 ; THESE BLOCKS MUST BE CONTIGUOUS AND IN THE ORDER SPECIFIED SO THAT
                     0000    103 ; INDEXED ADDRESSING CAN BE USED TO MODIFY THEM.
                     0000    104 ;*****************************************************************************
                     0000    105
                     0000    106 TST$PARAMETER::                         ; START OF 8 CONTIGUOUS QIO
                     0000    107                                         ;  PARAMETER BLOCKS
```

```
                                                G 14
0000   108 ;
0000   109 ; READ THE ASSOCIATED MAILBOX.
0000   110 ;
0000   111         $QIO    EFN=EFN_K_READ_MAIL-    ;
0000   112                 CHAN=0-                 ; CHANNEL # T.B.S.
0000   113                 FUNC=IO$_READVBLK-      ;
0000   114                 IOSB=TST$GQ_MAILIOSB-   ;
0000   115                 ASTADR=0-               ; MAY BE MODIFIED
0000   116                 ASTPRM=0-               ; MAY BE MODIFIED
0000   117                 P1=TST$GB_MAILBUF-      ; BUFFER ADDRESS
0000   118                 P2=0                    ; BUFFER SIZE T.B.S.
0034   119 ;
0034   120 ; ISSUE NSP CONNECT INITIATE OR CONNECT ACCEPT REQUEST.
0034   121 ;
0034   122         ASSUME  EFN_K_CONN_INIT,EQ,EFN_K_CONN_ACCE ; INITIATE = ACCEPT
0034   123         $QIO    EFN=EFN_K_CONN_INIT-    ;
0034   124                 CHAN=0-                 ; CHANNEL # T.B.S.
0034   125                 FUNC=IO$_ACCESS!IO$M_ACCESS- ;
0034   126                 IOSB=TST$GQ_LINKIOSB-   ;
0034   127                 ASTADR=0-               ; MAY BE MODIFIED
0034   128                 ASTPRM=0-               ; MAY BE MODIFIED
0034   129                 P1=0-                   ; MUST BE ZERO
0034   130                 P2=0                    ; ACCESS DESC BLOCK ADDRESS T.B.S.
0068   131
0068   132 ;
0068   133 ; ISSUE NSP CONNECT REJECT REQUEST.
0068   134 ;
0068   135         $QIO    EFN=EFN_K_CONN_REJE-    ;
0068   136                 CHAN=0-                 ; CHANNEL # T.B.S.
0068   137                 FUNC=IO$_ACCESS!IO$M_ABORT- ;
0068   138                 IOSB=TST$GQ_LINKIOSB-   ;
0068   139                 ASTADR=0-               ; MAY BE MODIFIED
0068   140                 ASTPRM=0-               ; MAY BE MODIFIED
0068   141                 P1=0-                   ; MUST BE ZERO
0068   142                 P2=0                    ; ACCESS DESC BLOCK ADDRESS T.B.S.
009C   143
009C   144 ;
009C   145 ; ISSUE NSP SYNCHRONOUS DISCONNECT REQUEST.
009C   146 ;
009C   147         $QIO    EFN=EFN_K_DISC_SYNC-    ;
009C   148                 CHAN=0-                 ; CHANNEL # T.B.S.
009C   149                 FUNC=IO$_DEACCESS!IO$M_SYNCH- ;
009C   150                 IOSB=TST$GQ_LINKIOSB-   ;
009C   151                 ASTADR=0-               ; MAY BE MODIFIED
009C   152                 ASTPRM=0-               ; MAY BE MODIFIED
009C   153                 P1=0-                   ; MUST BE ZERO
009C   154                 P2=0                    ; DEACCESS DESC BLOCK ADDRESS T.B.S.
00D0   155
00D0   156 ;
00D0   157 ; ISSUE NSP DISCONNECT ABORT REQUEST.
00D0   158 ;
00D0   159         $QIO    EFN=EFN_K_DISC_ABRT-    ;
00D0   160                 CHAN=0-                 ; CHANNEL # T.B.S.
00D0   161                 FUNC=IO$_DEACCESS!IO$M_ABORT- ;
00D0   162                 IOSB=TST$GQ_LINKIOSB-   ;
00D0   163                 ASTADR=0-               ; MAY BE MODIFIED
00D0   164                 ASTPRM=0-               ; MAY BE MODIFIED
```

```
                00D0   165                     P1=0-                   ; MUST BE ZERO
                00D0   166                     P2=0                    ; DEACCESS DESC BLOCK ADDRESS T.B.S.
                0104   167
                0104   168 ;
                0104   169 ; ISSUE NSP TRANSMIT DATA MESSAGE REQUEST.
                0104   170 ;
                0104   171             $QIO    EFN=EFN_K_XMIT_DATA-    ;
                0104   172                     CHAN=0-                 ; CHANNEL # T.B.S.
                0104   173                     FUNC=IO$_WRITEVBLK-     ;
                0104   174                     IOSB=TST$GQ_XMITIOSB-   ;
                0104   175                     ASTADR=0-               ; MAY BE MODIFIED
                0104   176                     ASTPRM=0-               ; MAY BE MODIFIED
                0104   177                     P1=TST$GB_XMITBUF-      ; BUFFER ADDRESS
                0104   178                     P2=0                    ; BUFFER SIZE T.B.S.
                0138   179
                0138   180 ;
                0138   181 ; ISSUE NSP TRANSMIT INTERRUPT DATA REQUEST.
                0138   182 ;
                0138   183             $QIO    EFN=EFN_K_XMIT_INTE-    ;
                0138   184                     CHAN=0-                 ; CHANNEL # T.B.S.
                0138   185                     FUNC=IO$_WRITEVBLK!IO$M_INTERRUPT- ;
                0138   186                     IOSB=TST$GQ_INTEIOSB-   ;
                0138   187                     ASTADR=0-               ; MAY BE MODIFIED
                0138   188                     ASTPRM=0-               ; MAY BE MODIFIED
                0138   189                     P1=TST$GB_INTEBUF-      ; BUFFER ADDRESS
                0138   190                     P2=0                    ; BUFFER SIZE T.B.S.
                016C   191
                016C   192 ;
                016C   193 ; ISSUE NSP RECEIVE DATA MESSAGE REQUEST.
                016C   194 ;
                016C   195             $QIO    EFN=EFN_K_RECV_DATA-    ;
                016C   196                     CHAN=0-                 ; CHANNEL # T.B.S.
                016C   197                     FUNC=IO$_READVBLK-      ;
                016C   198                     IOSB=TST$GQ_RECVIOSB-   ;
                016C   199                     ASTADR=0-               ; MAY BE MODIFIED
                016C   200                     ASTPRM=0-               ; MAY BE MODIFIED
                016C   201                     P1=TST$GB_RECVBUF-      ; BUFFER ADDRESS
                016C   202                     P2=0                    ; BUFFER SIZE T.B.S.
                01A0   203
                01A0   204 ;
                01A0   205 ; QIO STATUS BLOCK STORAGE
                01A0   206 ;
                01A0   207
                01A0   208 TST$GQ_MAILIOSB::                            ; MAILBOX I/O STATUS BLOCK
 000001A8       01A0   209             .BLKQ   1                       ;
                01A8   210 TST$GQ_LINKIOSB::                            ; GENERAL LINK I/O STATUS BLOCK
 000001B0       01A8   211             .BLKQ   1                       ;
                01B0   212 TST$GQ_XMITIOSB::                            ; TRANSMIT I/O STATUS BLOCK
 000001B8       01B0   213             .BLKQ   1                       ;
                01B8   214 TST$GQ_INTEIOSB::                            ; INTERRUPT I/O STATUS BLOCK
 000001C0       01B8   215             .BLKQ   1                       ;
                01C0   216 TST$GQ_RECVIOSB::                            ; RECEIVE I/O STATUS BLOCK
 000001C8       01C0   217             .BLKQ   1                       ;
                01C8   218
                01C8   219 ;
                01C8   220 ; MESSAGE BUFFER STORAGE
                01C8   221 ;
```

```
                                                I 14
                     01C8   222
                     01C8   223 TST$GB_MAILBUF::                        ; MAILBOX BUFFER
00000208             01C8   224         .BLKB   TST$K_MAILBUF           ;
                     0208   225 TST$GB_XMITBUF::                        ; TRANSMIT BUFFER
00001208             0208   226         .BLKB   TST$K_XMITBUF           ;
                     1208   227 TST$GB_RECVBUF::                        ; RECEIVE BUFFER
00002208             1208   228         .BLKB   TST$K_RECVBUF           ;
                     2208   229 TST$GB_INTEBUF::                        ; INTERRUPT BUFFER
00002218             2208   230         .BLKB   TST$K_INTEBUF           ;
                     2218   231
                     2218   232 ;
                     2218   233 ; CHANNEL NUMBER STORAGE
                     2218   234 ;
                     2218   235
                     2218   236 TST$GW_MAILCHAN::                       ; MAILBOX CHANNEL NUMBER
0000221A             2218   237         .BLKW   1                       ;
                     221A   238 TST$GW_LINKCHAN::                       ; LINK CHANNEL NUMBER
0000221C             221A   239         .BLKW   1                       ;
                     221C   240
                     221C   241 ;
                     221C   242 ;FLAGS PASSED FROM AST ROUTINES TO MAINLINE
                     221C   243 TST$GB_ASTFLAGS::                       ;BIT FLAGS
                  00 221C   244         .BYTE   0
                     221D   245 ;
                     221D   246 ; DEVICE NAME AND LOGICAL NAME DESCRIPTOR BLOCKS WITH TEXT
                     221D   247 ;
                     221D   248
                     221D   249 ;                                       ; Mailbox names not needed
                     221D   250 ;TST$GQ_MAIL_DTS::                      ; DEVICE NAME DESCRIPTOR BLOCK
                     221D   251 ;       QBLOCK  TEXT=<TST$DTS_MAILBOX>  ;  FOR MAILBOX USED BY DTS
                     221D   252 ;TST$GQ_MAIL_DTR::                      ; DEVICE NAME DESCRIPTOR BLOCK
                     221D   253 ;       QBLOCK  TEXT=<TST$DTR_MAILBOX>  ;  FOR MAILBOX USED BY DTR
                     221D   254
                     221D   255 TST$GQ_LINKNAME::                       ; DEVICE NAME DESCRIPTOR BLOCK
                     221D   256         QBLOCK  TEXT=<_NET:>            ;  FOR THE LINK
                     222A   257 TST$GQ_SYSNAME::                        ; LOGICAL NAME DESCRIPTOR BLOCK
                     222A   258         QBLOCK  TEXT=<SYS$NET>          ;  FOR SYS$NET
                     2239   259
                     2239   260 ;
                     2239   261 ;BLOCKS BY DTS TO QUEUE AST REQUESTS TO USER LEVEL
                     2239   262
                     2239   263 TST$QB_XMTDATA::
00000000 00000000    2239   264         .LONG   0,0                     ;LINKS
         00000005    2241   265         .LONG   EFN_K_XMIT_DATA ;FUNCTION CODE/INDEX
         00000000'   2245   266         .ADDRESS TST$XMITAST_DTS        ;ADDESS AST ROUTINE
                     2249   267 TST$QB_RCVDATA::
00000000 00000000    2249   268         .LONG   0,0                     ;LINKS
         00000007    2251   269         .LONG   EFN_K_RECV_DATA
         00000000'   2255   270         .ADDRESS TST$RECVAST_DTS
                     2259   271 TST$QB_RCVMAIL::
00000000 00000000    2259   272         .LONG   0,0                     ;LINKS
         00000000    2261   273         .LONG   EFN_K_READ_MAIL
         00000000'   2265   274         .ADDRESS TST$MAILAST_DTS
                     2269   275 TST$QB_XMTINT::
00000000 00000000    2269   276         .LONG   0,0                     ;LINKS
         00000006    2271   277         .LONG   EFN_K_XMIT_INTE
         00000000'   2275   278         .ADDRESS TST$INTEAST_DTS
```

```
                                                     J 14
                     2279    279 ;
                     2279    280 ;QUEUE BLOCKS USED BY DTR FOR PASSING ASTS TO USER LEVEL
                     2279    281 TST$QBR_XMTDATA::
00000000 00000000    2279    282         .LONG   0,0                     ;LINKS
         00000005    2281    283         .LONG   EFN_K_XMIT_DATA ;FUNCTION CODE/INDEX
         00000000'   2285    284         .ADDRESS TST$XMITAST_DTR        ;ADDESS AST ROUTINE
         00000000    2289    285         .LONG   0                       ;BUFFER LENGTH
                     228D    286 TST$QBR_RCVDATA::
00000000 00000000    228D    287         .LONG   0,0                     ;LINKS
         00000007    2295    288         .LONG   EFN_K_RECV_DATA
         00000000'   2299    289         .ADDRESS TST$RECVAST_DTR
         00000000    229D    290         .LONG   0                       ;BUFFER SIZE
                     22A1    291 TST$QBR_RCVMAIL::
00000000 00000000    22A1    292         .LONG   0,0                     ;LINKS
         00000000    22A9    293         .LONG   EFN_K_READ_MAIL
         00000000'   22AD    294         .ADDRESS TST$MAILAST_DTR
         00000000    22B1    295         .LONG   0                       ;BUFFER SIZE
                     22B5    296 TST$QBR_XMTINT::
00000000 00000000    22B5    297         .LONG   0,0                     ;LINKS
         00000006    22BD    298         .LONG   EFN_K_XMIT_INTE
         00000000'   22C1    299         .ADDRESS TST$INTEAST_DTR
         00000000    22C5    300         .LONG   0                       ;BUFFER SIZE
                     22C9    301 TST$QB_QHEAD::
00000000 00000000    22C9    302         .QUAD   0
                     22D1    303 ;
                     22D1    304 ; DATA STRUCTURES FOR THE COMMAND FILE
                     22D1    305 ;
                     22D1    306
                     22D1    307         .ALIGN  LONG                    ; REQUIRED FOR FABS AND RABS
                     22D4    308 TST$CMDFAB::                            ; FILE ACCESS BLOCK
                     22D4    309         $FAB    FAC=GET-                ;
                     22D4    310                 FNA=TST$GT_CMDNAME-     ;
                     22D4    311                 FNS=K_CMDNAME           ;
                     2324    312 TST$CMDRAB::                            ; RECORD ACCESS BLOCK
                     2324    313         $RAB    FAB=TST$CMDFAB-         ;
                     2324    314                 UBF=TST$GB_CMDBUF-      ;
                     2324    315                 USZ=TST$K_CMDBUF-       ;
                     2324    316                 ROP=<PMT,CVT>-  ;
                     2324    317 ;               ROP=<PMT,TMO,CVT>-      ;
                     2324    318                 PBF=TST$GB_PMTBUF-      ;
                     2324    319                 PSZ=K_PMTBUF            ;
                     2368    320 ;               TMO=120                 ;
                     2368    321 TST$GT_CMDNAME::                        ; COMMAND DEVICE NAME
   54 55 50 4E 49 24 53 59 53 2368    322         .ASCII  \SYS$INPUT\     ;
                     00000009 2371    323 K_CMDNAME=.-TST$GT_CMDNAME      ; COMMAND DEVICE NAME LENGTH
                     2371    324 TST$GB_CMDBUF::                         ; COMMAND BUFFER
                     000023F5 2371    325         .BLKB   TST$K_CMDBUF    ;
                     23F5    326 TST$GB_PMTBUF::                         ; PROMPT BUFFER
20 20 20 3A 74 73 65 54 5F 0A 0A 0D 23F5    327         .ASCII  <13><10><10>\_Test:   \ ; PROMPT MESSAGE
                     0000000C 2401    328 K_PMTBUF=.-TST$GB_PMTBUF        ; PROMPT BUFFER LENGTH
                     2401    329
                     2401    330 ;
                     2401    331 ; DATA STRUCTURES FOR THE PRINT FILE
                     2401    332 ;
                     2401    333
                     2401    334         .ALIGN  LONG                    ; REQUIRED FOR FABS AND RABS
                     2404    335 TST$PRTFAB::                            ; FILE ACCESS BLOCK
```

```
                                  2404          $FAB    FAC=PUT-                       ;
                                  2404                  RAT=CR-                        ;
                                  2404                  FNA=TST$GT_PRTNAME-            ;
                                  2404                  FNS=K_PRTNAME                  ;
                                  2454     TST$PRTRAB::                                ; RECORD ACCESS BLOCK
                                  2454          $RAB    FAB=TST$PRTFAB-                ;
                                  2454                  RBF=TST$GB_PRTBUF-             ;
                                  2454                  RSZ=0                          ; T.B.S. DYNAMICALLY
                                  2498     TST$GT_PRTNAME::                            ; PRINT DEVICE NAME
54 55 50 54 55 4F 24 53 59 53     2498          .ASCII  \SYS$OUTPUT\
                       0000000A   24A2     K_PRTNAME=.-TST$GT_PRTNAME                  ; PRINT DEVICE NAME LENGTH
                                  24A2     TST$GQ_PRTBUF::                             ; OUTPUT STRING DESCRIPTOR FOR FAO
                                  24A2          QBLOCK  SPACE=TST$K_PRTBUF-            ; BUFFER SIZE
                                  24A2                  BUFADR=TST$GB_PRTBUF           ; BUFFER ADDRESS
                                  26AA     TST$GW_PRTLEN::                             ; FORMATTED MESSAGE SIZE FROM FAO
                       000026AC   26AA          .BLKW   1                              ;
                                  26AC
                                  26AC     ;
                                  26AC     ; FAO RELATED DESCRIPTOR BLOCKS WITH TEXT
                                  26AC     ;
                                  26AC
                                  26AC     TST$GQ_INIT::                               ; INITIALIZATION MESSAGE
                                  26AC          QBLOCK  TEXT=<<!/!AC!AC initiated on !%D>>
                                  26CD     TST$GQ_CALLER::                             ; REQUESTOR ID MESSAGE
                                  26CD          QBLOCK  TEXT=<<!/!AC!AC was requested by !AD">>
                                  26F3     TST$GQ_TERM::                               ; TERMINATION MESSAGE
                                  26F3          QBLOCK  TEXT=<<!/!ACterminated on !%D>>
                                  2711     TST$GQ_COMPLETE::                           ; TEST COMPLETE MESSAGE
                                  2711          QBLOCK  TEXT=<<!/!AC!AC test completed on !%T with status of !XL>>
                                  274A     TST$GQ_PARSE::                              ; PARSE ERROR MESSAGE
                                  274A          QBLOCK  TEXT=<<!ACcommand line syntax error>>
                                  276E     TST$GQ_DISPLAY::                            ; PRINT MESSAGE
                                  276E          QBLOCK  TEXT=<<!AC !UW!_-!#(3XB)>>
                                  2787     TST$GQ_STAT1::                              ; TEXT FOR STATISTICS PART 1
                                  2787          QBLOCK  TEXT=<!/-
                                  2787                  <Test parameters:!/>-
                                  2787                  <   Test duration (sec)!_!UL!/>-
                                  2787                  <   Target nodename!_"!AC"!/>-
                                  2787                  <   Line speed (baud)!_!UL!/>-
                                  2787                  <   Message size (bytes)!_!UW>-
                                  2787          >
                                  2812     TST$GQ_STAT2::                              ; TEXT FOR STATISTICS PART 2
                                  2812          QBLOCK  TEXT=<!/-
                                  2812                  <Summary statistics:!/>-
                                  2812                  <   Total messages XMIT!_!UL!_RECV!_!UL!/>-
                                  2812                  <   Total bytes XMIT!_!UL!/>-
                                  2812                  <   Messages per second!_!UL.!UB!/>-
                                  2812                  <   Bytes per second!_!UL!/>-
                                  2812                  <   Line thruput (baud)!_!UL!/>-
                                  2812                  <   % Line utilization!_!UL.!UB>-
                                  2812          >
                                  28E9     TST$GQ_STAT3::                              ; TEXT FOR DTR PRINT OPTION
                                  28E9          QBLOCK  TEXT=<!/-
                                  28E9                  <Summary statistics:!/>-
                                  28E9                  <   Message size (bytes)!_!UW!/>-
                                  28E9                  <   Total messages XMIT!_!UL!_RECV!_!UL!/>-
                                  28E9                  <   Total bytes XMIT!_!UL>-
```

```
                   28E9        >
                   2966  TST$GT_DTS::                              ; DTS IDENTIFICATION STORED
20 53 54 44 00'    2966          .ASCIC  \DTS \                    ;  AS A COUNTED ASCII STRING
             04    2966
                   296B  TST$GT_DTR::                              ; DTR IDENTIFICATION STORED
20 52 54 44 00'    296B          .ASCIC  \DTR \                    ;  AS A COUNTED ASCII STRING
             04    296B
                   2970  ;
                   2970  ;DATA FOR CALLS TO PUTMSG
                   2970
                   2970  TST$GT_DTSMSG::
           0003    2970          .WORD   3
           000F    2972          .WORD   15
                   2974  TST$GL_DTERROR::
       00000000    2974          .LONG   0
           0001    2978          .WORD   1
           000F    297A          .WORD   15
                   297C  TST$GL_FAOARG::
       00000000    297C          .LONG   0
                   2980  TST$GQ_FACDESC::
00002988'00000003  2980          .LONG   3,.+4
       53 54 44    2988          .ASCII  /DTS/
                   298B
                   298B  TST$GQ_DTRDESC::
00002993'00000003  298B          .LONG   3,.+4
       52 54 44    2993          .ASCII  /DTR/
                   2996  ;
                   2996  ; COMMUNICATIONS LINK TRANSMISSION AND RECEPTION COUNTERS.
                   2996  ; NOTE: ENTRIES MUST BE IN THE ORDER SPECIFIED.
                   2996  ;
                   2996
                   2996  TST$GL_XMITDATA::                         ; NUMBER OF DATA MESSAGES
       0000299A    2996          .BLKL   1                         ;  TRANSMITTED
                   299A  TST$GL_RECVDATA::                         ; NUMBER OF DATA MESSAGES
       0000299E    299A          .BLKL   1                         ;  RECEIVED
                   299E  TST$GL_XMITINTE::                         ; NUMBER OF INTERRUPT MESSAGES
       000029A2    299E          .BLKL   1                         ;  TRANSMITTED
                   29A2  TST$GL_RECVINTE::                         ; NUMBER OF INTERRUPT MESSAGES
       000029A6    29A2          .BLKL   1                         ;  RECEIVED
                   29A6  TST$GL_STATUS::                           ; AST ROUTINE STATUS CODE
       000029AA    29A6          .BLKL   1                         ;
                   29AA
                   29AA  ;
                   29AA  ; WORK AREA FOR COMMAND PARSE.
                   29AA  ; NOTE: ENTRIES MUST BE IN THE ORDER SPECIFIED.
                   29AA  ;
                   29AA
                   29AA  TST$GT_KEYWORD::                          ; FIRST 4 CHARACTERS OF PARAMETER
       000029AE    29AA          .BLKB   4                         ;  OR QUALIFIER STRING TO PARSE
                   29AE  TST$GT_VALUE::                            ; FIRST 8 CHARACTERS OF QUALIFIER
       000029B6    29AE          .BLKB   8                         ;  VALUE STRING TO PARSE
                   29B6
                   29B6  ;+
                   29B6  ; STORAGE OF THE NETWORK CONNECT BLOCK AND ASSOCIATED DATA. THE NCB
                   29B6  ; IS CONSTRUCTED DYNAMICALLY AND MAY VARY IN SIZE. IT CONTAINS UP TO
                   29B6  ; SIX FIELDS WHOSE ORDER AND SIZE ARE LISTED BELOW:
                   29B6  ;
```

```
                                  29B6   ;       8 BYTES MAX FOR <NODENAME>::
                                  29B6   ;      16 BYTES MAX FOR <OBJECTTYPE>
                                  29B6   ;       1 BYTE FOR SLASH DELIMITER
                                  29B6   ;       2 BYTES FOR NETACP LINK INDEX
                                  29B6   ;      17 BYTES MAX FOR COUNTED USERDATA STRING
                                  29B6   ;      19 BYTES FOR ADDITIONAL NETACP DATA
                                  29B6   ;-
                                  29B6
                                  29B6   TST$GQ_NCB::                          ; NCB DESCRIPTOR BLOCK
                                  29B6           QBLOCK  SPACE=63-             ;
                                  29B6                   BUFADR=TST$GB_NCB     ;
                                  29FD   TST$GQ_ACCESS::                       ; ACCESS FUNC DESCRIPTOR BLOCK
                        00002A05  29FD           .BLKQ   1                     ;
                                  2A05   TST$GQ_DEACCESS::                     ; DEACCESS FUNC DESCRIPTOR BLOCK
                        00002A0D  2A05           .BLKQ   1                     ;
                                  2A0D   TST$GT_OBJTYPE::                      ; NSP OBJECTTYPE FOR DTR STORED
                     3D 33 36 00' 2A0D           .ASCIC  \63=\                 ;  AS A COUNTED ASCII STRING
                               03 2A0D
                                  2A11   TST$GT_OBJTYPE1::                     ; ALTERNATE OBJECTTYPE STORED
               52 54 44 3D 30 00' 2A11           .ASCIC  \0=DTR\               ;  AS A COUNTED ASCII STRING
                               05 2A11
                                  2A17   TST$GT_OBJTYPE2::                     ; ALTERNATE OBJECTTYPE STORED
      52 54 44 3D 4B 53 41 54 00' 2A17           .ASCIC  \TASK=DTR\            ;  AS A COUNTED ASCII STRING
                               08 2A17
                                  2A20   TST$GT_USERDATA::                     ; USERDATA STRING FOR DTR STORED
                        00002A31  2A20           .BLKB   1+16                  ;  AS A COUNTED ASCII STRING
                                  2A31   TST$GT_STANDARD::                     ; ''STANDARD'' DATA PATTERN
4B 4A 49 48 47 46 45 44 43 42 41 00' 2A31        .ASCIC  \ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789\
57 56 55 54 53 52 51 50 4F 4E 4D 4C  2A3D
38 37 36 35 34 33 32 31 30 5A 59 58  2A49
                               39 2A55
                               24 2A31
                                  2A56   TST$GT_CONN::                         ; TEXT FOR CONNECT TEST STORED
         54 43 45 4E 4E 4F 43 00' 2A56           .ASCIC  \CONNECT\             ;  AS A COUNTED ASCII STRING
                               07 2A56
                                  2A5E   TST$GT_DATA::                         ; TEXT FOR DATA TEST STORED
                  41 54 41 44 00' 2A5E           .ASCIC  \DATA\                ;  AS A COUNTED ASCII STRING
                               04 2A5E
                                  2A63   TST$GT_DISC::                         ; TEXT FOR DISCONNECT TEST STORED
   54 43 45 4E 4E 4F 43 53 49 44 00' 2A63        .ASCIC  \DISCONNECT\          ;  AS A COUNTED ASCII STRING
                               0A 2A63
                                  2A6E   TST$GT_INTE::                         ; TEXT FOR INTERRUPT TEST STORED
      54 50 55 52 52 45 54 4E 49 00' 2A6E        .ASCIC  \INTERRUPT\           ;  AS A COUNTED ASCII STRING
                               09 2A6E
                                  2A78   TST$GT_MISC::                         ; TEXT FOR MISCELLANEOUS TEST STORED
4F 45 4E 41 4C 4C 45 43 53 49 4D 00' 2A78        .ASCIC  \MISCELLANEOUS\       ;  AS A COUNTED ASCII STRING
                            53 55 2A84
                               0D 2A78
                                  2A86   TST$GT_ERROR::                        ; STRING FOR ERROR RESPONSE STORED
                  3F 3F 3F 3F 00' 2A86           .ASCIC  \????\                ;  AS A COUNTED ASCII STRING
                               04 2A86
                                  2A8B   TST$GT_VERSION::                      ; DTS/DTR VERSION NUMBER STORED
30 2E 32 20 6E 6F 69 73 72 65 56 00' 2A8B        .ASCIC  \Version 2.00\        ;  AS A COUNTED ASCII STRING
                               30 2A97
                               0C 2A8B
                                  2A98   TST$GT_XMIT::                         ; TEXT FOR DISPLAY STORED
   54 49 4D 58 20 2D 2D 2D 2D 3C 00' 2A98        .ASCIC  \<---- XMIT\          ;  AS A COUNTED ASCII STRING
```

```
                     0A  2A98
                         2AA3     489 TST$GT_RECV::                       ; TEXT FOR DISPLAY STORED
3E 2D 2D 2D 2D 20 56 43 45 52 00'    2AA3     490         .ASCIC  \RECV ---->\        ;  AS A COUNTED ASCII STRING
                     0A  2AA3
                         2AAE     491
                         2AAE     492 ;
                         2AAE     493 ; RESULTS OF PARSE OF MAILBOX MESSAGE
                         2AAE     494 ;
                         2AAE     495
                         2AAE     496 TST$GW_MAILCODE::                   ; MAILBOX MESSAGE CODE
00002AB0                 2AAE     497         .BLKW   1                   ;
                         2AB0     498 TST$GW_DEV_UNIT::                   ; DEVICE UNIT NUMBER
00002AB2                 2AB0     499         .BLKW   1                   ;
                         2AB2     500 TST$GT_DEV_NAME::                   ; DEVICE NAME STORED AS A
00002AC2                 2AB2     501         .BLKB   1+15                ;  COUNTED ASCII STRING
                         2AC2     502 TST$GT_MAILDATA::                   ; MAILBOX MESSAGE LESS HEADER STORED
00002B02                 2AC2     503         .BLKB   1+63                ;  AS A COUNTED ASCII STRING
                         2B02     504
                         2B02     505 ;
                         2B02     506 ; STORAGE OF COMMAND PARAMETER AND COMMAND RELATED VALUES.
                         2B02     507 ;
                         2B02     508
                         2B02     509 TST$GB_TEST::                       ; TEST PARAMETER (FUNCTION)
00002B03                 2B02     510         .BLKB   1                   ;  FOR ALL TESTS
                         2B03     511 TST$GL_VALID::                      ; VALID (PERMITTED) QUALIFIER FLAGS
00002B07                 2B03     512         .BLKL   1                   ;
                         2B07     513
                         2B07     514 ;
                         2B07     515 ; STORAGE OF COMMAND QUALIFIER VALUES
                         2B07     516 ;
                         2B07     517
                         2B07     518 TST$GB_DISPLAY::                    ; DISPLAY MESSAGE QUALIFIER
00002B08                 2B07     519         .BLKB   1                   ; N=#BYTES OF MESSAGE TO DISPLAY
                         2B08     520 TST$GT_NODENAME::                   ; TARGET NODENAME STORED
00002B0F                 2B08     521         .BLKB   1+6                 ;  AS A COUNTED ASCII STRING
                         2B0F     522 TST$GB_PRINT::                      ; [NO]PRINT QUALIFIER
00002B10                 2B0F     523         .BLKB   1                   ;
                         2B10     524 TST$GL_SPEED::                      ; LINE SPEED IN BAUD
00002B14                 2B10     525         .BLKL   1                   ; THIS VALUE IS USED ONLY AS INPUT
                         2B14     526                                     ;  FOR STATISTICS CALCULATIONS;
                         2B14     527                                     ;  I.E., IT DOES NOT SET LINE SPEED!
                         2B14     528 TST$GB_STAT::                       ; [NO]STATISTICS QUALIFIER
00002B15                 2B14     529         .BLKB   1                   ;
                         2B15     530
                         2B15     531 ;
                         2B15     532 ; STORAGE OF PARAMETER QUALIFIER AND RELATED VALUES.
                         2B15     533 ;
                         2B15     534
                         2B15     535 TST$GB_TYPE::                       ; TEST TYPE QUALIFIER (SUBFUNCTION)
00002B16                 2B15     536         .BLKB   1                   ;  FOR ALL TESTS
                         2B16     537 TST$GB_RETURN::                     ; RETURN USERDATA QUALIFIER
00002B17                 2B16     538         .BLKB   1                   ;  FOR CONNECT AND DISCONNECT TESTS
                         2B17     539 TST$GW_SIZE::                       ; MESSAGE SIZE QUALIFIER
00002B19                 2B17     540         .BLKW   1                   ;  FOR DATA AND INTERRUPT TESTS
                         2B19     541 TST$GB_RQUEUE::                     ; DTR QUEUE QUALIFIER
00002B1A                 2B19     542         .BLKB   1                   ;  FOR DATA AND INTERRUPT TESTS
                         2B1A     543 TST$GB_SQUEUE::                     ; DTS QUEUE QUALIFIER
```

```
                00002B1B  2B1A   544                .BLKB   1                       ;  FOR DATA AND INTERRUPT TESTS
                          2B1B   545 TST$GL_SECONDS::                              ; DURATION OF TEST IN SECONDS
                00002B1F  2B1B   546                .BLKL   1                       ;  FOR DATA AND INTERRUPT TESTS
                          2B1F   547 TST$GL_CLOCK::                                ;COUNTDOWN LOCATION FOR TIMEOUT AST
                00002B23  2B1F   548                .BLKL   1
                          2B23   549 TST$GQ_NANOSEC::                              ; DURATION OF TEST IN 100
            FFFFFFFF FF676980  2B23   550                .LONG   -10000000,-1            ;  NANOSECOND UNITS
                          2B2B   551 TST$GB_FLOW::                                 ; FLOW CONTROL QULAIFIER
                00002B2C  2B2B   552                .BLKB   1                       ;  FOR DATA TEST
                          2B2C   553 TST$GB_NAK::                                  ; NAK CONTROL QUALIFIER
                00002B2D  2B2C   554                .BLKB   1                       ;  FOR DATA TEST
                          2B2D   555 TST$GB_BACK::                                 ; BACK PRESSURE CONTROL QUALIFIER
                00002B2E  2B2D   556                .BLKB   1                       ;  FOR DATA TEST
                          2B2E   557                                              ;  ASSOCIATED QUALIFIER MAY APPEAR
                          2B2E   558                                              ;  IN THE COMMAND
                          2B2E   559
                          2B2E   560 ;*****************************************************************************
                          2B2E   561 ; THE ORDER OF THE ENTRIES IN THE KEYWORD TABLES BELOW IS SIGNIFICANT!!
                          2B2E   562 ;*****************************************************************************
                          2B2E   563
                          2B2E   564 ;
                          2B2E   565 ; QUALIFIER KEYWORD TABLE
                          2B2E   566 ;
                          2B2E   567 ; QUALIFIERS ARE IN ALPHABETICAL ORDER. IF ONE IS INSERTED OR DELETED,
                          2B2E   568 ; BE SURE TO UPDATE THE APPROPRIATE CASE DISPATCH TABLE IN THE TST$PARSE
                          2B2E   569 ; MODULE!!!
                          2B2E   570 ;
                          2B2E   571
                          2B2E   572 TST$AZ_QUAL::                                 ; QUALIFIER:
          41 42 00' 02    2B2E   573                .ASCIC  \BA\                    ; BACK
             44 00' 01    2B31   574                .ASCIC  \D\                     ; DISPLAY
             46 00' 01    2B33   575                .ASCIC  \F\                     ; FLOW
             48 00' 01    2B35   576                .ASCIC  \H\                     ; HOURS
             4D 00' 01    2B37   577                .ASCIC  \M\                     ; MINUTES
          41 4E 00' 02    2B39   578                .ASCIC  \NA\                    ; NAK
       42 4F 4E 00' 03    2B3C   579                .ASCIC  \NOB\                   ; NOBACK
    45 44 4F 4E 00' 04    2B40   580                .ASCIC  \NODE\                  ; NODENAME
    49 44 4F 4E 00' 04    2B45   581                .ASCIC  \NODI\                  ; NODISPLAY
       46 4F 4E 00' 03    2B4A   582                .ASCIC  \NOF\                   ; NOFLOW
       4E 4F 4E 00' 03    2B4E   583                .ASCIC  \NON\                   ; NONAK
       50 4F 4E 00' 03    2B52   584                .ASCIC  \NOP\                   ; NOPRINT
       52 4F 4E 00' 03    2B56   585                .ASCIC  \NOR\                   ; NORETURN
       53 4F 4E 00' 03    2B5A   586                .ASCIC  \NOS\                   ; NOSTATISTICS
```

```
                50 00' 2B5E    587          .ASCIC  \P\                     ; PRINT
                   01  2B5E
             45 52 00' 2B60    588          .ASCIC  \RE\                    ; RETURN
                   02  2B60
             51 52 00' 2B63    589          .ASCIC  \RQ\                    ; RQUEUE
                   02  2B63
             45 53 00' 2B66    590          .ASCIC  \SE\                    ; SECONDS
                   02  2B66
             49 53 00' 2B69    591          .ASCIC  \SI\                    ; SIZE
                   02  2B69
             50 53 00' 2B6C    592          .ASCIC  \SP\                    ; SPEED
                   02  2B6C
             51 53 00' 2B6F    593          .ASCIC  \SQ\                    ; SQUEUE
                   02  2B6F
             54 53 00' 2B72    594          .ASCIC  \ST\                    ; STATISTICS
                   02  2B72
                54 00' 2B75    595          .ASCIC  \T\                     ; TYPE
                   01  2B75
                   00' 2B77    596          .ASCIC  \\                      ; END OF TABLE INDICATOR
                   00  2B77
                       2B78    597
                       2B78    598 ;
                       2B78    599 ; PARAMETER KEYWORD TABLE
                       2B78    600 ;
                       2B78    601
                       2B78    602 TST$AZ_PARAM::                          ; TEST TYPE PARAMETER:
                43 00' 2B78    603          .ASCIC  \C\                     ; CONNECT
                   01  2B78
             41 44 00' 2B7A    604          .ASCIC  \DA\                    ; DATA
                   02  2B7A
             49 44 00' 2B7D    605          .ASCIC  \DI\                    ; DISCONNECT
                   02  2B7D
                49 00' 2B80    606          .ASCIC  \I\                     ; INTERRUPT
                   01  2B80
                4D 00' 2B82    607          .ASCIC  \M\                     ; MISCELLANEOUS
                   01  2B82
                   00' 2B84    608          .ASCIC  \\                      ; END OF TABLE INDICATOR
                   00  2B34
                       2B85    609
                       2B85    610 ;
                       2B85    611 ; VALUE KEYWORD TABLE FOR TYPE (CONNECT) QUALIFIER
                       2B85    612 ;
                       2B85    613
                       2B85    614 TST$AZ_TYPE_CO::                        ; VALUE:
                52 00' 2B85    615          .ASCIC  \R\                     ; REJECT
                   01  2B85
                41 00' 2B87    616          .ASCIC  \A\                     ; ACCEPT
                   01  2B87
                   00' 2B89    617          .ASCIC  \\                      ; END OF TABLE INDICATOR
                   00  2B89
                       2B8A    618
                       2B8A    619 ;
                       2B8A    620 ; VALUE KEYWORD TABLE FOR TYPE (DISCONNECT) QUALIFIER
                       2B8A    621 ;
                       2B8A    622
                       2B8A    623 TST$AZ_TYPE_DI::                        ; VALUE:
                53 00' 2B8A    624          .ASCIC  \S\                     ; SYNCHRONOUS
```

```
                01  2B8A
             41 00' 2B8C    625          .ASCIC  \A\                     ; ABORT
                01  2B8C
                00' 2B8E    626          .ASCIC  \\                      ; END OF TABLE INDICATOR
                00  2B8E
                    2B8F    627
                    2B8F    628 ;
                    2B8F    629 ; VALUE KEYWORD TABLE FOR TYPE (DATA) QUALIFIER
                    2B8F    630 ;
                    2B8F    631
                    2B8F    632 TST$AZ_TYPE_DA::                        ; VALUE:
          49 53 00' 2B8F    633          .ASCIC  \SI\                    ; SINK
                02  2B8F
          45 53 00' 2B92    634          .ASCIC  \SE\                    ; SEQUENCE
                02  2B92
             50 00' 2B95    635          .ASCIC  \P\                     ; PATTERN
                01  2B95
             45 00' 2B97    636          .ASCIC  \E\                     ; ECHO
                01  2B97
                00' 2B99    637          .ASCIC  \\                      ; END OF TABLE INDICATOR
                00  2B99
                    2B9A    638
                    2B9A    639 ;
                    2B9A    640 ; VALUE KEYWORD TABLE FOR TYPE (INTERRUPT) QUALIFIER
                    2B9A    641 ;
                    2B9A    642
                    2B9A    643 TST$AZ_TYPE_IN::                        ; VALUE:
          49 53 00' 2B9A    644          .ASCIC  \SI\                    ; SINK
                02  2B9A
          45 53 00' 2B9D    645          .ASCIC  \SE\                    ; SEQUENCE
                02  2B9D
             50 00' 2BA0    646          .ASCIC  \P\                     ; PATTERN
                01  2BA0
             45 00' 2BA2    647          .ASCIC  \E\                     ; ECHO
                01  2BA2
                00' 2BA4    648          .ASCIC  \\                      ; END OF TABLE INDICATOR
                00  2BA4
                    2BA5    649
                    2BA5    650 ;
                    2BA5    651 ; VALUE KEYWORD TABLE FOR TYPE (MISCELLANEOUS) QUALIFIER
                    2BA5    652 ;
                    2BA5    653
                    2BA5    654 TST$AZ_TYPE_MI::                        ; VALUE:
             4E 00' 2BA5    655          .ASCIC  \N\                     ; ILLEGAL NODENAME
                01  2BA5
             4F 00' 2BA7    656          .ASCIC  \O\                     ; NON-EXISTANT OBJECTTYPE
                01  2BA7
             4C 00' 2BA9    657          .ASCIC  \L\                     ; INVALID LOGICAL LINK ADDRESS
                01  2BA9
                00' 2BAB    658          .ASCIC  \\                      ; END OF TABLE INDICATOR
                00  2BAB
                    2BAC    659
                    2BAC    660 ;
                    2BAC    661 ; VALUE KEYWORD TABLE FOR RETURN QUALIFIER
                    2BAC    662 ;
                    2BAC    663
                    2BAC    664 TST$AZ_RETURN::                         ; VALUE:
```

```
                53 00' 2BAC    665          .ASCIC  \S\                     ; STANDARD
                   01  2BAC
                52 00' 2BAE    666          .ASCIC  \R\                     ; RECEIVED
                   01  2BAE
                   00' 2BB0    667          .ASCIC  \\                      ; END OF TABLE INDICATOR
                   00  2BB0
                       2BB1    668
                       2BB1    669 ;
                       2BB1    670 ; VALUE KEYWORD TABLE FOR FLOW QUALIFIER
                       2BB1    671 ;
                       2BB1    672
                       2BB1    673 TST$AZ_FLOW::                           ; VALUE:
                53 00' 2BB1    674          .ASCIC  \S\                     ; SEGMENT
                   01  2BB1
                4D 00' 2BB3    675          .ASCIC  \M\                     ; MESSAGE
                   01  2BB3
                   00' 2BB5    676          .ASCIC  \\                      ; END OF TABLE INDICATOR
                   00  2BB5
                       2BB6    677          .END
```

```
$$.TAB                  = 00002454 R      01
$$.TABEND               = 00002498 R      01
$$.TMP                  = 00000000
$$ARGS                  = 0000000C
$$T1                    = 00000034
EFN_K_CONN_ACCE         = 00000001
EFN_K_CONN_INIT         = 00000001
EFN_K_CONN_REJE         = 00000002
EFN_K_DISC_ABRT         = 00000004
EFN_K_DISC_SYNC         = 00000003
EFN_K_READ_MAIL         = 00000000
EFN_K_RECV_DATA         = 00000007
EFN_K_XMIT_DATA         = 00000005
EFN_K_XMIT_INTE         = 00000006
FAB$C_BID               = 00000003
FAB$C_BLN               = 00000050
FAB$C_SEQ               = 00000000
FAB$C_VAR               = 00000002
FAB$L_ALQ               = 00000010
FAB$L_FOP               = 00000004
FAB$V_CHAN_MODE         = 00000002
FAB$V_CR                = 00000001
FAB$V_FILE_MODE         = 00000004
FAB$V_GET               = 00000001
FAB$V_LNM_MODE          = 00000000
FAB$V_PUT               = 00000000
FAB$W_GBC               = 00000048
IO$M_ABORT              = 00000100
IO$M_ACCESS             = 00000040
IO$M_INTERRUPT          = 00000040
IO$M_SYNCH              = 00000200
IO$_ACCESS              = 00000032
IO$_DEACCESS            = 00000034
IO$_READVBLK            = 00000031
IO$_WRITEVBLK           = 00000030
K_CMDNAME               = 00000009
K_LIST_MEB              = 00000000
K_PMTBUF                = 0000000C
K_PRTNAME               = 0000000A
MAX_K_SIZE_DA           = 00001000
MAX_K_SIZE_IN           = 00000010
QIO$_ASTADR             = 00000014
QIO$_ASTPRM             = 00000018
QIO$_CHAN               = 00000008
QIO$_EFN                = 00000004
QIO$_FUNC               = 0000000C
QIO$_IOSB               = 00000010
QIO$_NARGS              = 0000000C
QIO$_P1                 = 0000001C
QIO$_P2                 = 00000020
QIO$_P3                 = 00000024
QIO$_P4                 = 00000028
QIO$_P5                 = 0000002C
QIO$_P6                 = 00000030
RAB$B_PSZ               = 00000034
RAB$B_RAC               = 0000001E
RAB$C_BID               = 00000001
RAB$C_BLN               = 00000044
RAB$C_SEQ               = 00000000
RAB$L_CTX               = 00000018
RAB$L_PBF               = 00000030
RAB$L_ROP               = 00000004
RAB$V_CVT               = 0000001A
RAB$V_PMT               = 0000001E
TST$AZ_FLOW               00002BB1 RG     01
TST$AZ_PARAM              00002B78 RG     01
TST$AZ_QUAL               00002B2E RG     01
TST$AZ_RETURN             00002BAC RG     01
TST$AZ_TYPE_CO            00002B85 RG     01
TST$AZ_TYPE_DA            00002B8F RG     01
TST$AZ_TYPE_DI            00002B8A RG     01
TST$AZ_TYPE_IN            00002B9A RG     01
TST$AZ_TYPE_MI            00002BA5 RG     01
TST$CMDFAB                000022D4 RG     01
TST$CMDRAB                00002324 RG     01
TST$GB_ASTFLAGS           0000221C RG     01
TST$GB_BACK               00002B2D RG     01
TST$GB_CMDBUF             00002371 RG     01
TST$GB_DISPLAY            00002B07 RG     01
TST$GB_FLOW               00002B2B RG     01
TST$GB_INTEBUF            00002208 RG     01
TST$GB_MAILBUF            000001C8 RG     01
TST$GB_NAK                00002B2C RG     01
TST$GB_NCB              = 000029BE RG     01
TST$GB_PMTBUF             000023F5 RG     01
TST$GB_PRINT              00002B0F RG     01
TST$GB_PRTBUF           = 000024AA RG     01
TST$GB_RECVBUF            00001208 RG     01
TST$GB_RETURN             00002B16 RG     01
TST$GB_RQUEUE             00002B19 RG     01
TST$GB_SQUEUE             00002B1A RG     01
TST$GB_STAT               00002B14 RG     01
TST$GB_TEST               00002B02 RG     01
TST$GB_TYPE               00002B15 RG     01
TST$GB_XMITBUF            00000208 RG     01
TST$GL_CLOCK              00002B1F RG     01
TST$GL_DTERROR            00002974 RG     01
TST$GL_FAOARG             0000297C RG     01
TST$GL_RECVDATA           0000299A RG     01
TST$GL_RECVINTE           000029A2 RG     01
TST$GL_SECONDS            00002B1B RG     01
TST$GL_SPEED              00002B10 RG     01
TST$GL_STATUS             000029A6 RG     01
TST$GL_VALID              00002B03 RG     01
TST$GL_XMITDATA           00002996 RG     01
TST$GL_XMITINTE           0000299E RG     01
TST$GQ_ACCESS             000029FD RG     01
TST$GQ_CALLER             000026CD RG     01
TST$GQ_COMPLETE           00002711 RG     01
TST$GQ_DEACCESS           00002A05 RG     01
TST$GQ_DISPLAY            0000276E RG     01
TST$GQ_DTRDESC            0000298B RG     01
TST$GQ_FACDESC            00002980 RG     01
TST$GQ_INIT               000026AC RG     01
```

```
TST$GQ_INTEIOSB                 000001B8 RG    01
TST$GQ_LINKIOSB                 000001A8 RG    01
TST$GQ_LINKNAME                 0000221D RG    01
TST$GQ_MAILIOSB                 000001A0 RG    01
TST$GQ_NANOSEC                  00002B23 RG    01
TST$GQ_NCB                      000029B6 RG    01
TST$GQ_PARSE                    0000274A RG    01
TST$GQ_PRTBUF                   000024A2 RG    01
TST$GQ_RECVIOSB                 000001C0 RG    01
TST$GQ_STAT1                    00002787 RG    01
TST$GQ_STAT2                    00002812 RG    01
TST$GQ_STAT3                    000028E9 RG    01
TST$GQ_SYSNAME                  0000222A RG    01
TST$GQ_TERM                     000026F3 RG    01
TST$GQ_XMITIOSB                 000001B0 RG    01
TST$GT_CMDNAME                  00002368 RG    01
TST$GT_CONN                     00002A56 RG    01
TST$GT_DATA                     00002A5E RG    01
TST$GT_DEV_NAME                 00002AB2 RG    01
TST$GT_DISC                     00002A63 RG    01
TST$GT_DTR                      0000296B RG    01
TST$GT_DTS                      00002966 RG    01
TST$GT_DTSMSG                   00002970 RG    01
TST$GT_ERROR                    00002A86 RG    01
TST$GT_INTE                     00002A6E RG    01
TST$GT_KEYWORD                  000029AA RG    01
TST$GT_MAILDATA                 00002AC2 RG    01
TST$GT_MISC                     00002A78 RG    01
TST$GT_NODENAME                 00002B08 RG    01
TST$GT_OBJTYPE                  00002A0D RG    01
TST$GT_OBJTYPE1                 00002A11 RG    01
TST$GT_OBJTYPE2                 00002A17 RG    01
TST$GT_PRTNAME                  00002498 RG    01
TST$GT_RECV                     00002AA3 RG    01
TST$GT_STANDARD                 00002A31 RG    01
TST$GT_USERDATA                 00002A20 RG    01
TST$GT_VALUE                    000029AE RG    01
TST$GT_VERSION                  00002A8B RG    01
TST$GT_XMIT                     00002A98 RG    01
TST$GW_DEV_UNIT                 00002AB0 RG    01
TST$GW_LINKCHAN                 0000221A RG    01
TST$GW_MAILCHAN                 00002218 RG    01
TST$GW_MAILCODE                 00002AAE RG    01
TST$GW_PRTLEN                   000026AA RG    01
TST$GW_SIZE                     00002B17 RG    01
TST$INTEAST_DTR                 ********W GX   01
TST$INTEAST_DTS                 ********W GX   01
TST$K_CMDBUF                  = 00000084   G
TST$K_INTEBUF                 = 00000010   G
TST$K_MAILBUF                 = 00000040   G
TST$K_MAILQUOTA               = 00000200   G
TST$K_PRTBUF                  = 00000200   G
TST$K_RECVBUF                 = 00001000   G
TST$K_XMITBUF                 = 00001000   G
TST$MAILAST_DTR                 ********W GX   01
TST$MAILAST_DTS                 ********W GX   01
TST$PARAMETER                   00000000 RG    01
TST$PRTFAB                      00002404 RG    01
TST$PRTRAB                      00002454 RG    01
TST$QBR_RCVDATA                 0000228D RG    01
TST$QBR_RCVMAIL                 000022A1 RG    01
TST$QBR_XMTDATA                 00002279 RG    01
TST$QBR_XMTINT                  000022B5 RG    01
TST$QB_ASTADR                 = 0000000C   G
TST$QB_BLINK                  = 00000004   G
TST$QB_BUFLEN                 = 00000010   G
TST$QB_CODE                   = 00000008   G
TST$QB_FLINK                  = 00000000   G
TST$QB_QHEAD                    000022C9 RG    01
TST$QB_RCVDATA                  00002249 RG    01
TST$QB_RCVMAIL                  00002259 RG    01
TST$QB_XMTDATA                  00002239 RG    01
TST$QB_XMTINT                   00002269 RG    01
TST$RECVAST_DTR                 ********W GX   01
TST$RECVAST_DTS                 ********W GX   01
TST$XMITAST_DTR                 ********W GX   01
TST$XMITAST_DTS                 ********W GX   01
VAL_K_BACK_NO                 = 00000000
VAL_K_DISP_NO                 = 00000000
VAL_K_FLOW_MESS               = 00000002
VAL_K_NAK_NO                  = 00000000
VAL_K_PRIN_NO                 = 00000000
VAL_K_RETU_NO                 = 00000000
VAL_K_STAT_YES                = 00000001
VAL_K_TYPE_ABRT               = 00000001
VAL_K_TYPE_ACCE               = 00000001
VAL_K_TYPE_NAME               = 00000000
VAL_K_TYPE_SINK               = 00000000
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
TST$IMPURE	00002BB6 (11190.)	01 (1.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
ABS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.10	00:00:01.18
Command processing	122	00:00:00.74	00:00:03.46
Pass 1	350	00:00:12.36	00:00:35.75
Symbol table sort	0	00:00:01.26	00:00:02.24
Pass 2	141	00:00:03.19	00:00:07.13
Symbol table output	25	00:00:00.23	00:00:00.30
Psect synopsis output	2	00:00:00.03	00:00:00.06
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	671	00:00:17.92	00:00:50.15

The working set limit was 1500 pages.
67481 bytes (132 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 887 non-local and 26 local symbols.
739 source lines were read in Pass 1, producing 26 object records in Pass 2.
32 pages of virtual memory were used to define 24 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[DTSDTR.OBJ]DTSDTR.MLB;1	3
_255DUA28:[SYSLIB]STARLET.MLB;2	15
TOTALS (all libraries)	18

1037 GETS were required to define 18 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:DTGLOBAL/OBJ=OBJ$:DTGLOBAL MSRC$:DTPREFIX/UPDATE=(ENH$:DTPREFIX)+MSRC$:DTGLOBAL/UPDATE=(ENH$:DTGLOBAL)

XWDRIVER
LIS

DTGLOBAL
LIS

DTDEFINE
LIS

DTRMAIN
LIS

DTRAST
LIS

DTPREFIX
MAR

DTSDTR

DTCOMMON
LIS

DTRECV
MAP

DTSEND
MAP

DTMACROS
MAR