DDDDDDDDDDD TTTTTTTTTTTTTTT SSSSSSSSSSS DDDDDDDDDDD TTTTTTTTTTTTTTT RRRRRRRRRRR
DDDDDDDDDDDD TTTTTTTTTTTTTTT SSSSSSSSSSSS DDDDDDDDDDDD TTTTTTTTTTTTTTT RRRRRRRRRRRR
DDDDDDDDDDDD TTTTTTTTTTTTTTT SSSSSSSSSSSS DDDDDDDDDDDD TTTTTTTTTTTTTTT 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 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
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
```

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

```
            0000        .SBTTL  DECLARATIONS
        00000000        .PSECT  TST$IMPURE      NOEXE,LONG
            0000
            0000  ;
            0000  ; INCLUDE FILES:
            0000  ;
            0000        $IODEF                          ; DEFINE QIO FUNCTION CODES
            0000        EFNDEF                          ; DEFINE EFN'S AND FUNCTION CODES
            0000        CMDDEF                          ; DEFINE COMMAND LANGUAGE SYMBOLS
            0000        .IIF NE K_LIST_MEB, .LIST MEB   ; DEFINED IN DTPREFIX.MAR
            0000  ;
            0000  ; MACROS:
            0000  ;
            0000  ;     NONE
            0000  ;
            0000  ; EQUATED SYMBOLS:
            0000  ;
00000040    0000        TST$K_MAILBUF==64               ; MAILBOX BUFFER LENGTH
00000200    0000        TST$K_MAILQUOTA==TST$K_MAILBUF*8 ; MAILBOX QUOTA
            0000  ;                                     ; Following is no longer needed
            0000  ;     TST$K_MAILPROT==^X0000          ; MAILBOX PROTECTION MASK
00001000    0000        TST$K_XMITBUF==MAX_K_SIZE_DA    ; TRANSMIT BUFFER LENGTH
00001000    0000        TST$K_RECVBUF==MAX_K_SIZE_DA    ; RECEIVE BUFFER LENGTH
00000010    0000        TST$K_INTEBUF==MAX_K_SIZE_IN    ; INTERRUPT BUFFER LENGTH
00000084    0000        TST$K_CMDBUF==132               ; COMMAND BUFFER LENGTH
00000200    0000        TST$K_PRTBUF==512               ; PRINT BUFFER LENGTH
            0000  ;
            0000  ;WEAKEN DEFINITIONS THAT MAY NOT BE FOUND,DEPENDING ON MODULE
            0000
            0000        .WEAK   TST$XMITAST_DTR,TST$RECVAST_DTR,TST$MAILAST_DTR
            0000        .WEAK   TST$INTEAST_DTR,TST$XMITAST_DTS,TST$RECVAST_DTS
            0000        .WEAK   TST$MAILAST_DTS,TST$INTEAST_DTS
            0000  ;
            0000  ;
            0000  ;OFFSETS IN AST QUEUE BLOCK
            0000
00000000    0000        TST$QB_FLINK==0
00000004    0000        TST$QB_BLINK==4                 ;BACK LINK
00000008    0000        TST$QB_CODE==8                  ;QIO FUNCTION INDEX
0000000C    0000        TST$QB_ASTADR==12               ;AST ROUTINE ADDRESS
00000010    0000        TST$QB_BUFLEN==16               ;BUFFER SIZE
            0000  ;
            0000  ; OWN STORAGE:
            0000  ;
            0000
            0000  ;
            0000  ; QIO PARAMETER BLOCKS FOR FUNCTIONS OVER THE COMMUNICATIONS LINK AND
            0000  ; FOR THE ASSOCIATED MAILBOX.
            0000  ;
            0000
            0000  ;*****************************************************************
            0000  ; THESE BLOCKS MUST BE CONTIGUOUS AND IN THE ORDER SPECIFIED SO THAT
            0000  ; INDEXED ADDRESSING CAN BE USED TO MODIFY THEM.
            0000  ;*****************************************************************
            0000
            0000  TST$PARAMETER::                       ; START OF 8 CONTIGUOUS QIO
            0000                                        ;  PARAMETER BLOCKS
```

```
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                P1=0-                      ; MUST BE ZERO
          00D0                P2=0                       ; DEACCESS DESC BLOCK ADDRESS T.B.S.
          0104
          0104      ;
          0104      ; ISSUE NSP TRANSMIT DATA MESSAGE REQUEST.
          0104      ;
          0104         $QIO   EFN=EFN_K_XMIT_DATA-       ;
          0104                CHAN=0-                    ; CHANNEL # T.B.S.
          0104                FUNC=IO$_WRITEVBLK-        ;
          0104                IOSB=TST$GQ_XMITIOSB-      ;
          0104                ASTADR=0-                  ; MAY BE MODIFIED
          0104                ASTPRM=0-                  ; MAY BE MODIFIED
          0104                P1=TST$GB_XMITBUF-         ; BUFFER ADDRESS
          0104                P2=0                       ; BUFFER SIZE T.B.S.
          0138
          0138      ;
          0138      ; ISSUE NSP TRANSMIT INTERRUPT DATA REQUEST.
          0138      ;
          0138         $QIO   EFN=EFN_K_XMIT_INTE-       ;
          0138                CHAN=0-                    ; CHANNEL # T.B.S.
          0138                FUNC=IO$_WRITEVBLK!IO$M_INTERRUPT- ;
          0138                IOSB=TST$GQ_INTEIOSB-      ;
          0138                ASTADR=0-                  ; MAY BE MODIFIED
          0138                ASTPRM=0-                  ; MAY BE MODIFIED
          0138                P1=TST$GB_INTEBUF-         ; BUFFER ADDRESS
          0138                P2=0                       ; BUFFER SIZE T.B.S.
          016C
          016C      ;
          016C      ; ISSUE NSP RECEIVE DATA MESSAGE REQUEST.
          016C      ;
          016C         $QIO   EFN=EFN_K_RECV_DATA-       ;
          016C                CHAN=0-                    ; CHANNEL # T.B.S.
          016C                FUNC=IO$_READVBLK-         ;
          016C                IOSB=TST$GQ_RECVIOSB-      ;
          016C                ASTADR=0-                  ; MAY BE MODIFIED
          016C                ASTPRM=0-                  ; MAY BE MODIFIED
          016C                P1=TST$GB_RECVBUF-         ; BUFFER ADDRESS
          016C                P2=0                       ; BUFFER SIZE T.B.S.
          01A0
          01A0      ;
          01A0      ; QIO STATUS BLOCK STORAGE
          01A0      ;
          01A0
          01A0      TST$GQ_MAILIOSB::                    ; MAILBOX I/O STATUS BLOCK
000001A8  01A0             .BLKQ   1                     ;
          01A8      TST$GQ_LINKIOSB::                    ; GENERAL LINK I/O STATUS BLOCK
000001B0  01A8             .BLKQ   1                     ;
          01B0      TST$GQ_XMITIOSB::                    ; TRANSMIT I/O STATUS BLOCK
000001B8  01B0             .BLKQ   1                     ;
          01B8      TST$GQ_INTEIOSB::                    ; INTERRUPT I/O STATUS BLOCK
000001C0  01B8             .BLKQ   1                     ;
          01C0      TST$GQ_RECVIOSB::                    ; RECEIVE I/O STATUS BLOCK
000001C8  01C0             .BLKQ   1                     ;
          01C8
          01C8      ;
          01C8      ; MESSAGE BUFFER STORAGE
          01C8      ;
```

```
                           01C8
                           01C8  TST$GB_MAILBUF::                          ; MAILBOX BUFFER
                  00000208 01C8          .BLKB   TST$K_MAILBUF             ;
                           0208  TST$GB_XMITBUF::                          ; TRANSMIT BUFFER
                  00001208 0208          .BLKB   TST$K_XMITBUF             ;
                           1208  TST$GB_RECVBUF::                          ; RECEIVE BUFFER
                  00002208 1208          .BLKB   TST$K_RECVBUF             ;
                           2208  TST$GB_INTEBUF::                          ; INTERRUPT BUFFER
                  00002218 2208          .BLKB   TST$K_INTEBUF             ;
                           2218
                           2218  ;
                           2218  ; CHANNEL NUMBER STORAGE
                           2218  ;
                           2218
                           2218  TST$GW_MAILCHAN::                         ; MAILBOX CHANNEL NUMBER
                  0000221A 2218          .BLKW   1                         ;
                           221A  TST$GW_LINKCHAN::                         ; LINK CHANNEL NUMBER
                  0000221C 221A          .BLKW   1                         ;
                           221C
                           221C  ;
                           221C  ;FLAGS PASSED FROM AST ROUTINES TO MAINLINE
                           221C  TST$GB_ASTFLAGS::                         ;BIT FLAGS
                        00 221C          .BYTE   0
                           221D  ;
                           221D  ; DEVICE NAME AND LOGICAL NAME DESCRIPTOR BLOCKS WITH TEXT
                           221D  ;
                           221D
                           221D  ;                                         ; Mailbox names not needed
                           221D  ;TST$GQ_MAIL_DTS::                        ; DEVICE NAME DESCRIPTOR BLOCK
                           221D  ;       QBLOCK  TEXT=<TST$DTS_MAILBOX>    ;  FOR MAILBOX USED BY DTS
                           221D  ;TST$GQ_MAIL_DTR::                        ; DEVICE NAME DESCRIPTOR BLOCK
                           221D  ;       QBLOCK  TEXT=<TST$DTR_MAILBOX>    ;  FOR MAILBOX USED BY DTR
                           221D
                           221D  TST$GQ_LINKNAME::                         ; DEVICE NAME DESCRIPTOR BLOCK
                           221D          QBLOCK  TEXT=<_NET:>              ;  FOR THE LINK
                           222A  TST$GQ_SYSNAME::                          ; LOGICAL NAME DESCRIPTOR BLOCK
                           222A          QBLOCK  TEXT=<SYS$NET>            ;  FOR SYS$NET
                           2239
                           2239  ;
                           2239  ;BLOCKS BY DTS TO QUEUE AST REQUESTS TO USER LEVEL
                           2239
                           2239  TST$QB_XMTDATA::
         00000000 00000000 2239          .LONG   0,0               ;LINKS
                  00000005 2241          .LONG   EFN_K_XMIT_DATA ;FUNCTION CODE/INDEX
                  00000000' 2245         .ADDRESS TST$XMITAST_DTS          ;A  ESS AST ROUTINE
                           2249  TST$QB_RCVDATA::
         00000000 00000000 2249          .LONG   0,0               ;LINKS
                  00000007 2251          .LONG   EFN_K_RECV_DATA
                  00000000' 2255         .ADDRESS TST$RECVAST_DTS
                           2259  TST$QB_RCVMAIL::
         00000000 00000000 2259          .LONG   0,0               ;LINKS
                  00000000 2261          .LONG   EFN_K_READ_MAIL
                  00000000' 2265         .ADDRESS TST$MAILAST_DTS
                           2269  TST$QB_XMTINT::
         00000000 00000000 2269          .LONG   0,0               ;LINKS
                  00000006 2271          .LONG   EFN_K_XMIT_INTE
                  00000000' 2275         .ADDRESS TST$INTEAST_DTS
```

```
                          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    336          $FAB    FAC=PUT-                        ;
                     2404    337                  RAT=CR-                         ;
                     2404    338                  FNA=TST$GT_PRTNAME-             ;
                     2404    339                  FNS=K_PRTNAME                   ;
                     2454    340 TST$PRTRAB::                                     ; RECORD ACCESS BLOCK
                     2454    341          $RAB    FAB=TST$PRTFAB-                 ;
                     2454    342                  RBF=TST$GB_PRTBUF-              ;
                     2454    343                  RSZ=0                           ; T.B.S. DYNAMICALLY
                     2498    344 TST$GT_PRTNAME::                                 ; PRINT DEVICE NAME
 54 55 50 54 55 4F 24 53 59 53  2498    345          .ASCII  \SYS$OUTPUT\            ;
            0000000A 24A2    346 K_PRTNAME=.-TST$GT_PRTNAME                       ; PRINT DEVICE NAME LENGTH
                     24A2    347 TST$GQ_PRTBUF::                                 ; OUTPUT STRING DESCRIPTOR FOR FAO
                     24A2    348          QBLOCK  SPACE=TST$K_PRTBUF-             ; BUFFER SIZE
                     24A2    349                  BUFADR=TST$GB_PRTBUF            ; BUFFER ADDRESS
                     26AA    350 TST$GW_PRTLEN::                                 ; FORMATTED MESSAGE SIZE FROM FAO
            000026AC 26AA    351          .BLKW   1                               ;
                     26AC    352
                     26AC    353 ;
                     26AC    354 ; FAO RELATED DESCRIPTOR BLOCKS WITH TEXT
                     26AC    355 ;
                     26AC    356
                     26AC    357 TST$GQ_INIT::                                   ; INITIALIZATION MESSAGE
                     26AC    358          QBLOCK  TEXT=<<!/!AC!AC initiated on !%D>>
                     26CD    359 TST$GQ_CALLER::                                 ; REQUESTOR ID MESSAGE
                     26CD    360          QBLOCK  TEXT=<<!/!AC!AC was requested by !AD''>>
                     26F3    361 TST$GQ_TERM::                                   ; TERMINATION MESSAGE
                     26F3    362          QBLOCK  TEXT=<<!/!ACterminated on !%D>>
                     2711    363 TST$GQ_COMPLETE::                               ; TEST COMPLETE MESSAGE
                     2711    364          QBLOCK  TEXT=<<!/!AC!AC test completed on !%T with status of !XL>>
                     274A    365 TST$GQ_PARSE::                                  ; PARSE ERROR MESSAGE
                     274A    366          QBLOCK  TEXT=<<!ACcommand line syntax error>>
                     276E    367 TST$GQ_DISPLAY::                                ; PRINT MESSAGE
                     276E    368          QBLOCK  TEXT=<<!AC !UW!_-!#(3XB)>>
                     2787    369 TST$GQ_STAT1::                                  ; TEXT FOR STATISTICS PART 1
                     2787    370          QBLOCK  TEXT=<!/-
                     2787    371                  <Test parameters:!/>-
                     2787    372                  <   Test duration (sec)!_!UL!/>-
                     2787    373                  <   Target nodename!_''!AC''!/>-
                     2787    374                  <   Line speed (baud)!_!UL!/>-
                     2787    375                  <   Message size (bytes)!_!UW>-
                     2787    376          >
                     2812    377 TST$GQ_STAT2::                                  ; TEXT FOR STATISTICS PART 2
                     2812    378          QBLOCK  TEXT=<!/-
                     2812    379                  <Summary statistics:!/>-
                     2812    380                  <   Total messages XMIT!_!UL!_RECV!_!UL!/>-
                     2812    381                  <   Total bytes XMIT!_!UL!/>-
                     2812    382                  <   Messages per second!_!UL.!UB!/>-
                     2812    383                  <   Bytes per second!_!UL!/>-
                     2812    384                  <   Line thruput (baud)!_!UL!/>-
                     2812    385                  <   % Line utilization!_!UL.!UB>-
                     2812    386          >
                     28E9    387 TST$GQ_STAT3::                                  ; TEXT FOR DTR PRINT OPTION
                     28E9    388          QBLOCK  TEXT=<!/-
                     28E9    389                  <Summary statistics:!/>-
                     28E9    390                  <   Message size (bytes)!_!UW!/>-
                     28E9    391                  <   Total messages XMIT!_!UL!_RECV!_!UL!/>-
                     28E9    392                  <   Total bytes XMIT!_!UL>-
```

```
                    28E9   393         >
                    2966   394 TST$GT_DTS::                            ; DTS IDENTIFICATION STORED
   20 53 54 44 00'  2966   395         .ASCIC  \DTS \                  ;  AS A COUNTED ASCII STRING
                04  2966
                    296B   396 TST$GT_DTR::                            ; DTR IDENTIFICATION STORED
   20 52 54 44 00'  296B   397         .ASCIC  \DTR \                  ;  AS A COUNTED ASCII STRING
                04  296B
                    2970   398 ;
                    2970   399 ;DATA FOR CALLS TO PUTMSG
                    2970   400
                    2970   401 TST$GT_DTSMSG::
              0003  2970   402         .WORD   3
              000F  2972   403         .WORD   15
                    2974   404 TST$GL_DTERROR::
          00000000  2974   405         .LONG   0
              0001  2978   406         .WORD   1
              000F  297A   407         .WORD   15
                    297C   408 TST$GL_FAOARG::
          00000000  297C   409         .LONG   0
                    2980   410 TST$GQ_FACDESC::
 00002988'00000003  2980   411         .LONG   3,.+4
          53 54 44  2988   412         .ASCII  /DTS/
                    298B   413
                    298B   414 TST$GQ_DTRDESC::
 00002993'00000003  298B   415         .LONG   3,.+4
          52 54 44  2993   416         .ASCII  /DTR/
                    2996   417 ;
                    2996   418 ; COMMUNICATIONS LINK TRANSMISSION AND RECEPTION COUNTERS.
                    2996   419 ; NOTE: ENTRIES MUST BE IN THE ORDER SPECIFIED.
                    2996   420 ;
                    2996   421
                    2996   422 TST$GL_XMITDATA::                       ; NUMBER OF DATA MESSAGES
          0000299A  2996   423         .BLKL   1                       ;  TRANSMITTED
                    299A   424 TST$GL_RECVDATA::                       ; NUMBER OF DATA MESSAGES
          0000299E  299A   425         .BLKL   1                       ;  RECEIVED
                    299E   426 TST$GL_XMITINTE::                       ; NUMBER OF INTERRUPT MESSAGES
          000029A2  299E   427         .BLKL   1                       ;  TRANSMITTED
                    29A2   428 TST$GL_RECVINTE::                       ; NUMBER OF INTERRUPT MESSAGES
          000029A6  29A2   429         .BLKL   1                       ;  RECEIVED
                    29A6   430 TST$GL_STATUS::                         ; AST ROUTINE STATUS CODE
          000029AA  29A6   431         .BLKL   1                       ;
                    29AA   432
                    29AA   433 ;
                    29AA   434 ; WORK AREA FOR COMMAND PARSE.
                    29AA   435 ; NOTE: ENTRIES MUST BE IN THE ORDER SPECIFIED.
                    29AA   436 ;
                    29AA   437
                    29AA   438 TST$GT_KEYWORD::                        ; FIRST 4 CHARACTERS OF PARAMETER
          000029AE  29AA   439         .BLKB   4                       ;  OR QUALIFIER STRING TO PARSE
                    29AE   440 TST$GT_VALUE::                          ; FIRST 8 CHARACTERS OF QUALIFIER
          000029B6  29AE   441         .BLKB   8                       ;  VALUE STRING TO PARSE
                    29B6   442
                    29B6   443 ;+
                    29B6   444 ; STORAGE OF THE NETWORK CONNECT BLOCK AND ASSOCIATED DATA. THE NCB
                    29B6   445 ; IS CONSTRUCTED DYNAMICALLY AND MAY VARY IN SIZE. IT CONTAINS UP TO
                    29B6   446 ; SIX FIELDS WHOSE ORDER AND SIZE ARE LISTED BELOW:
                    29B6   447 ;
```

```
                                   29B6   448 ;        8 BYTES MAX FOR <NODENAME>::
                                   29B6   449 ;       16 BYTES MAX FOR <OBJECTTYPE>
                                   29B6   450 ;        1 BYTE FOR SLASH DELIMITER
                                   29B6   451 ;        2 BYTES FOR NETACP LINK INDEX
                                   29B6   452 ;       17 BYTES MAX FOR COUNTED USERDATA STRING
                                   29B6   453 ;       19 BYTES FOR ADDITIONAL NETACP DATA
                                   29B6   454 ;-
                                   29B6   455
                                   29B6   456 TST$GQ_NCB::                              ; NCB DESCRIPTOR BLOCK
                                   29B6   457         QBLOCK  SPACE=63-                 ;
                                   29B6   458                 BUFADR=TST$GB_NCB         ;
                                   29FD   459 TST$GQ_ACCESS::                           ; ACCESS FUNC DESCRIPTOR BLOCK
                         00002A05  29FD   460         .BLKQ   1                         ;
                                   2A05   461 TST$GQ_DEACCESS::                         ; DEACCESS FUNC DESCRIPTOR BLOCK
                         00002A0D  2A05   462         .BLKQ   1                         ;
                                   2A0D   463 TST$GT_OBJTYPE::                          ; NSP OBJECTTYPE FOR DTR STORED
                     3D 33 36 00'  2A0D   464         .ASCIC  \63=\                     ;  AS A COUNTED ASCII STRING
                               03  2A0D
                                   2A11   465 TST$GT_OBJTYPE1::                         ; ALTERNATE OBJECTTYPE STORED
               52 54 44 3D 30 00'  2A11   466         .ASCIC  \0=DTR\                   ;  AS A COUNTED ASCII STRING
                               05  2A11
                                   2A17   467 TST$GT_OBJTYPE2::                         ; ALTERNATE OBJECTTYPE STORED
      52 54 44 3D 4B 53 41 54 00'  2A17   468         .ASCIC  \TASK=DTR\                ;  AS A COUNTED ASCII STRING
                               08  2A17
                                   2A20   469 TST$GT_USERDATA::                         ; USERDATA STRING FOR DTR STORED
                         00002A31  2A20   470         .BLKB   1+16                      ;  AS A COUNTED ASCII STRING
                                   2A31   471 TST$GT_STANDARD::                         ; "STANDARD" DATA PATTERN
4B 4A 49 48 47 46 45 44 43 42 41 00'  2A31   472         .ASCIC  \ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789\
57 56 55 54 53 52 51 50 4F 4E 4D 4C  2A3D
38 37 36 35 34 33 32 31 30 5A 59 58  2A49
                               39  2A55
                               24  2A31
                                   2A56   473 TST$GT_CONN::                             ; TEXT FOR CONNECT TEST STORED
         54 43 45 4E 4E 4F 43 00'  2A56   474         .ASCIC  \CONNECT\                 ;  AS A COUNTED ASCII STRING
                               07  2A56
                                   2A5E   475 TST$GT_DATA::                             ; TEXT FOR DATA TEST STORED
                  41 54 41 44 00'  2A5E   476         .ASCIC  \DATA\                    ;  AS A COUNTED ASCII STRING
                               04  2A5E
                                   2A63   477 TST$GT_DISC::                             ; TEXT FOR DISCONNECT TEST STORED
   54 43 45 4E 4E 4F 43 53 49 44 00'  2A63   478         .ASCIC  \DISCONNECT\              ;  AS A COUNTED ASCII STRING
                               0A  2A63
                                   2A6E   479 TST$GT_INTE::                             ; TEXT FOR INTERRUPT TEST STORED
      54 50 55 52 52 45 54 4E 49 00'  2A6E   480         .ASCIC  \INTERRUPT\               ;  AS A COUNTED ASCII STRING
                               09  2A6E
                                   2A78   481 TST$GT_MISC::                             ; TEXT FOR MISCELLANEOUS TEST STORED
4F 45 4E 41 4C 4C 45 43 53 49 4D 00'  2A78   482         .ASCIC  \MISCELLANEOUS\           ;  AS A COUNTED ASCII STRING
                            53 55  2A84
                               0D  2A78
                                   2A86   483 TST$GT_ERROR::                            ; STRING FOR ERROR RESPONSE STORED
                  3F 3F 3F 3F 00'  2A86   484         .ASCIC  \????\                    ;  AS A COUNTED ASCII STRING
                               04  2A86
                                   2A8B   485 TST$GT_VERSION::                          ; DTS/DTR VERSION NUMBER STORED
30 2E 32 20 6E 6F 69 73 72 65 56 00'  2A8B   486         .ASCIC  \Version 2.00\            ;  AS A COUNTED ASCII STRING
                               30  2A97
                               0C  2A8B
                                   2A98   487 TST$G'_XMIT::                             ; TEXT FOR DISPLAY STORED
   54 49 4D 58 20 2D 2D 2D 2D 3C 00'  2A98   488         .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              .BLKB   1                        ;  FOR DATA AND INTERRUPT TESTS
                   2B1B    TST$GL_SECONDS::                           ; DURATION OF TEST IN SECONDS
         00002B1F  2B1B              .BLKL   1                        ;  FOR DATA AND INTERRUPT TESTS
                   2B1F    TST$GL_CLOCK::                             ;COUNTDOWN LOCATION FOR TIMEOUT AST
         00002B23  2B1F              .BLKL   1
                   2B23    TST$GQ_NANOSEC::                           ; DURATION OF TEST IN 100
FFFFFFFF FF676980  2B23              .LONG   -10000000,-1             ;      NANOSECOND UNITS
                   2B2B    TST$GB_FLOW::                              ; FLOW CONTROL QULAIFIER
         00002B2C  2B2B              .BLKB   1                        ;  FOR DATA TEST
                   2B2C    TST$GB_NAK::                               ; NAK CONTROL QUALIFIER
         00002B2D  2B2C              .BLKB   1                        ;  FOR DATA TEST
                   2B2D    TST$GB_BACK::                              ; BACK PRESSURE CONTROL QUALIFIER
         00002B2E  2B2D              .BLKB   1                        ;  FOR DATA TEST
                   2B2E                                               ;  ASSOCIATED QUALIFIER MAY APPEAR
                   2B2E                                               ;  IN THE COMMAND
                   2B2E
                   2B2E    ;*****************************************************************
                   2B2E    ; THE ORDER OF THE ENTRIES IN THE KEYWORD TABLES BELOW IS SIGNIFICANT!!
                   2B2E    ;*****************************************************************
                   2B2E
                   2B2E    ;
                   2B2E    ; QUALIFIER KEYWORD TABLE
                   2B2E    ;
                   2B2E    ; QUALIFIERS ARE IN ALPHABETICAL ORDER. IF ONE IS INSERTED OR DELETED,
                   2B2E    ; BE SURE TO UPDATE THE APPROPRIATE CASE DISPATCH TABLE IN THE TST$PARSE
                   2B2E    ; MODULE!!!
                   2B2E    ;
                   2B2E
                   2B2E    TST$AZ_QUAL::                              ; QUALIFIER:
        41 42 00'  2B2E              .ASCIC  \BA\                     ; BACK
              02   2B2E
           44 00'  2B31              .ASCIC  \D\                      ; DISPLAY
              01   2B31
           46 00'  2B33              .ASCIC  \F\                      ; FLOW
              01   2B33
           48 00'  2B35              .ASCIC  \H\                      ; HOURS
              01   2B35
           4D 00'  2B37              .ASCIC  \M\                      ; MINUTES
              01   2B37
        41 4E 00'  2B39              .ASCIC  \NA\                     ; NAK
              02   2B39
     42 4F 4E 00'  2B3C              .ASCIC  \NOB\                    ; NOBACK
              03   2B3C
  45 44 4F 4E 00'  2B40              .ASCIC  \NODE\                   ; NODENAME
              04   2B40
  49 44 4F 4E 00'  2B45              .ASCIC  \NODI\                   ; NODISPLAY
              04   2B45
     46 4F 4E 00'  2B4A              .ASCIC  \NOF\                    ; NOFLOW
              03   2B4A
     4E 4F 4E 00'  2B4E              .ASCIC  \NON\                    ; NONAK
              03   2B4E
     50 4F 4E 00'  2B52              .ASCIC  \NOP\                    ; NOPRINT
              03   2B52
     52 4F 4E 00'  2B56              .ASCIC  \NOR\                    ; NORETURN
              03   2B56
     53 4F 4E 00'  2B5A              .ASCIC  \NOS\                    ; NOSTATISTICS
              03   2B5A
```

```
                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$_WRITEVBLK           = 00000030
K_CMDNAME               = 00000009
K_LIST_MEB              = 00000000
K_PMTBUF                = 0000000C
K_PRTNAME               = 0000000A
MAX_K_SIZE_DA           = 00001000
MAX_K_SIZE_IN           = 00000010
Q IO$_ASTADR            = 00000014
Q IO$_ASTPRM            = 00000018
Q IO$_CHAN              = 00000008
Q IO$_EFN               = 00000004
Q IO$_FUNC              = 0000000C
Q IO$_IOSB              = 00000010
Q IO$_NARGS             = 0000000C
Q IO$_P1                = 0000001C
Q IO$_P2                = 00000020
Q IO$_P3                = 00000024
Q IO$_P4                = 00000028
Q IO$_P5                = 0000002C
Q IO$_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$QB_QHEAD                    00002209 RG     01
TST$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