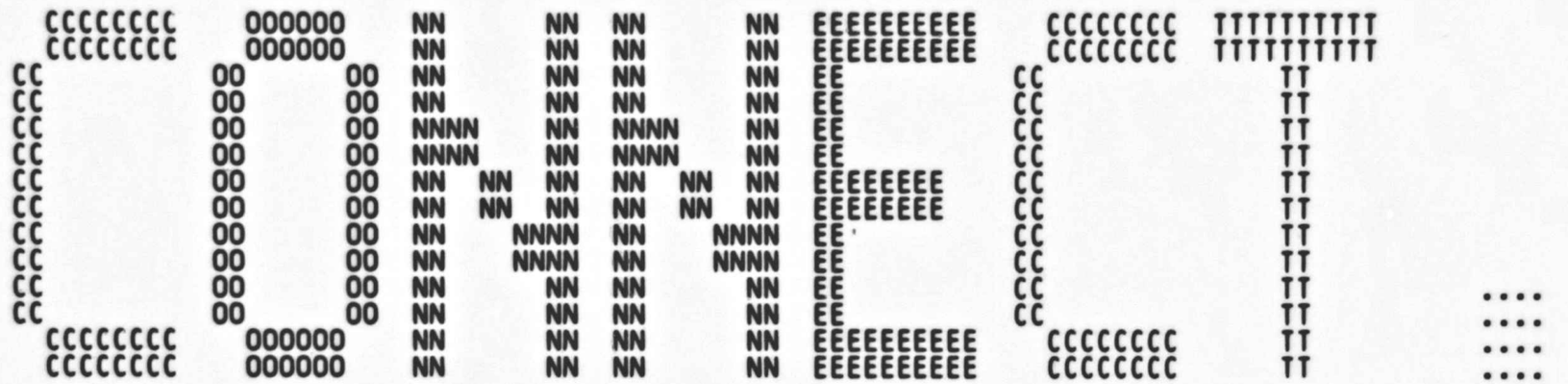
```
DDDDDDDDDDDD        CCCCCCCCCCCC  LLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDD          DDD  CCC            LLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLLLLLLLLLLLLLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLLLLLLLLLLLLLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLLLLLLLLLLLLLL
```

FILEID**CONNECT



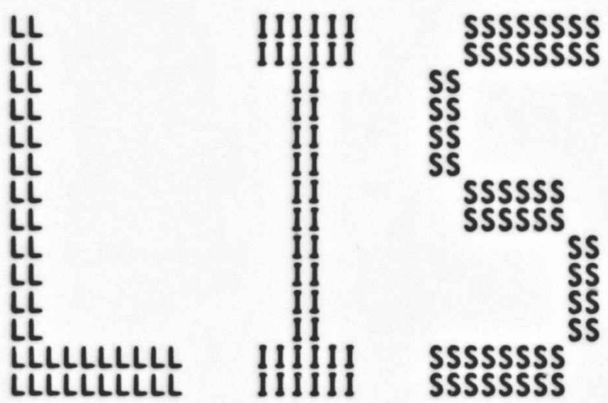


Table of contents

```
0000     1          .TITLE  CONNECT - Connect/disconnect process to terminal
0000     2          .IDENT  'V04-000'
0000     3
0000     4  ;******************************************************************************
0000     5  ;*                                                                            *
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0000    24  ;*                                                                            *
0000    25  ;******************************************************************************
0000    26  ;
0000    27  ; ABSTRACT:
0000    28  ;
0000    29  ;       Connect/disconnect process to terminal
0000    30  ;
0000    31  ; AUTHOR:
0000    32  ;
0000    33  ;       Peter George,  June 1983
0000    34  ;
0000    35  ; MODIFIED BY:
0000    36  ;
0000    37  ;       V03-001 PCG0001         Peter George            27-Jun-1983
0000    38  ;               Use CONT as name of ASCIC string, not CONTINUE.
0000    39  ;               Use event flags more intelligently.
0000    40  ;---
0000    41
0000    42  ;
0000    43  ; Macro library calls
0000    44  ;
0000    45          PRCDEF                          ; Define process data structure
0000    46          WRKDEF                          ; Define command data structure
0000    47          PTRDEF                          ; Define token descriptor fields
0000    48          $CLIMSGDEF                      ; Define cli related errors
0000    49          $DEVDEF                         ; Define device characteristics
0000    50          $DVIDEF                         ; Define $GETDVI codes
0000    51          $IODEF                          ; Define $QIO codes
0000    52          $RABDEF                         ; Define RAB fields
0000    53          $TT2DEF                         ; Define terminal characteristics
0000    54
00000000    55          .PSECT  DCL$ZCODE,BYTE,RD,NOWRT
0000    56
0000    57  CONT:
```

```
                         09  0000     58          .BYTE   9
  45 55 4E 49 54 4E 4F  43  0001     59          .ASCII  /CONTINUE/
                         00  0009     60          .BYTE   0
```

```
                     000A     62          .SBTTL  Connect process to terminal
                     000A     63 ;+
                     000A     64 ; DCL$CONNECT - Connect process to terminal
                     000A     65 ;
                     000A     66 ; This routine is called as an internal command to execute the CONNECT
                     000A     67 ; DCL command.
                     000A     68 ;
                     000A     69 ; INPUTS:
                     000A     70 ;
                     000A     71 ;       R8 = Address of scratch buffer descriptor.
                     000A     72 ;       R9 = Address of scratch stack.
                     000A     73 ;       R10 = Base address of command work area.
                     000A     74 ;       R11 = Base address of process work area.
                     000A     75 ;
                     000A     76 ; OUTPUTS:
                     000A     77 ;
                     000A     78 ;       The process is connected to another terminal.
                     000A     79 ;-
                     000A     80
                     000A     81 DCL$CONNECT::                                    ; Connect process
                     000A     82 ;
                     000A     83 ; Exit if batch job or input is not from a terminal.
                     000A     84 ;
                     000A     85          STATUS  NOTDISCON                       ; Assume not disconnectable
 79 68 AB    06   E0 0011     86          BBS     #PRC_V_MODE,PRC_W_FLAGS(R11),80$; Exit if batch
    51    08 AB   D0 0016     87          MOVL    PRC_L_INPRAB(R10),R1            ; Get addr of input RAB
 70 18 A1    02   E1 001A     88          BBC     #DEV$V_TRM,RAB$L_CTX(R1),80$    ; Exit if input not a terminal
                     001F     89
                     001F     90 ;
                     001F     91 ; Process /[NO]LOGOUT and /[NO]CONTINUE qualifiers.
                     001F     92 ;
 56    00001823 8F   D0 001F     93          MOVL    #IO$_SETMODE!IO$M_TT_CONNECT!-  ; Assume /LOGOUT
                     0026     94                  IO$M_TT_DISCON,R6               ;
             57   D4 0026     95          CLRL    R7                              ; Assume /NOCONTINUE
         FFD5'    30 0028     96 10$:     BSBW    DCL$GETDVAL                     ; Get first token
      55    00   D1 002B     97          CMPL    #PTR_K_COMDQUAL,R5              ; Qualifier?
            2F   12 002E     98          BNEQ    20$                             ; No, then parameter
         FFCD'    30 0030     99          BSBW    DCL$GETNVAL                     ; Get qualifier number
 51    00000000'8F   D1 0033    100          CMPL    #CLI$K_CONN_CONT,R1             ; Was it /CONTINUE?
            10   12 003A    101          BNEQ    15$                             ; No, then branch
                     003C    102
             57   D4 003C    103          CLRL    R7                              ; Assume /NOCONTINUE
          E7 53   E8 003E    104          BLBS    R3,10$                          ; Branch if /NOCONTINUE
             57   D6 0041    105          INCL    R7                              ; Set /CONTINUE
 56    00001000 8F   CA 0043    106          BICL    #IO$M_TT_DISCON,R6              ; Set /NOLOGOUT
            DC   11 004A    107          BRB     10$                             ; Get next token
                     004C    108
 56    00001000 8F   C8 004C    109 15$:    BISL    #IO$M_TT_DISCON,R6              ; Assume /LOGOUT
          D2 53   E9 0053    110          BLBC    R3,10$                          ; Branch if /LOGOUT
 56    00001000 8F   CA 0056    111          BICL    #IO$M_TT_DISCON,R6              ; Set /NOLOGOUT
            C9   11 005D    112          BRB     10$                             ; Get next token
                     005F    113
                     005F    114 ;
                     005F    115 ; If /NOLOGOUT, check that terminal is disconnectable.
                     005F    116 ;
       53   51   7D 005F    117 20$:    MOVQ    R1,R3                           ; Save terminal descriptor
    03 56   0C   E0 0062    118          BBS     #IO$V_TT_DISCON,R6,30$          ; Branch if /LOGOUT
```

```
                00A7   30  0066   119          BSBW    DISCONNECTABLE                  ; Check disconnectability
                       0069   120
                       0069   121 ;
                       0069   122 ; Connect to new terminal and optionally logout the process.
                       0069   123 ;
                  79   7C  0069   124 30$:     CLRQ    -(R9)                           ; Allocate an IOSB
              79  53   7D  006B   125          MOVQ    R3,-(R9)                        ; Save terminal name descriptor
                       006E   126          $QIOW_S CHAN=PRC_W_INPCHAN(R11),-       ; Execute the QIO
                       006E   127                  IOSB=8(R9),-                    ;
                       006E   128                  FUNC=R6,-                       ;
                       006E   129                  EFN=#EXE$C_SYSEFN,-             ;
                       006E   130                  P1=(R9)                         ;
                0D 50  E9  008F   131 80$:     BLBC    R0,90$                          ; Branch if error
           50   08 A9  3C  0092   132          MOVZWL  8(R9),R0                        ; Use IOSB status
                06 50  E9  0096   133          BLBC    R0,90$                          ; Branch if error
                       0099   134
                       0099   135 ;
                       0099   136 ; Continue current process if requested.
                       0099   137 ;
                03 57  E9  0099   138          BLBC    R7,90$                          ; Branch if /NOCONTINUE
                 0059  31  009C   139          BRW     CONTINUE                        ; Execute continue command
                       05  009F   140 90$:     RSB                                     ; Return
```

```
                        00A0    142          .SBTTL  Disconnect process from terminal
                        00A0    143 ;+
                        00A0    144 ; DCL$DISCONNECT - Disconnect process from terminal
                        00A0    145 ;
                        00A0    146 ; This routine is called as an internal command to execute the DISCONNECT
                        00A0    147 ; DCL command.
                        00A0    148 ;
                        00A0    149 ; INPUTS:
                        00A0    150 ;
                        00A0    151 ;       R8 = Address of scratch buffer descriptor.
                        00A0    152 ;       R9 = Address of scratch stack.
                        00A0    153 ;       R10 = Base address of command work area.
                        00A0    154 ;       R11 = Base address of process work area.
                        00A0    155 ;
                        00A0    156 ; OUTPUTS:
                        00A0    157 ;
                        00A0    158 ;       The process is disconnected from the terminal.
                        00A0    159 ;-
                        00A0    160
                        00A0    161 DCL$DISCONNECT::                                    ; Disconnect process
                        00A0    162 ;
                        00A0    163 ; Exit if batch job or input is not from a terminal.
                        00A0    164 ;
                        00A0    165          STATUS  NOTDISCON                          ; Assume not disconnectable
4B 68 AB    06  E0      00A7    166          BBS     #PRC_V_MODE,PRC_W_FLAGS(R11),30$; Exit if batch
   51    08 AB  D0      00AC    167          MOVL    PRC_L_INPRAB(R11),R1               ; Get addr of input RAB
42 18 A1    02  E1      00B0    168          BBC     #DEV$V_TRM,RAB$L_CTX(R1),30$       ; Exit if input not a terminal
                        00B5    169
                        00B5    170 ;
                        00B5    171 ; Check that terminal is disconnectable.
                        00B5    172 ;
                0058    30      00B5    173          BSBW    DISCONNECTABLE             ; Check disconnectability
                        00B8    174
                        00B8    175 ;
                        00B8    176 ; Disconnect the terminal.
                        00B8    177 ;
                  79    7C      00B8    178 10$:     CLRQ    -(R9)                      ; Allocate an IOSB
                        00BA    179          $QIOW_S CHAN=PRC_W_INPCHAN(R11),-          ; Execute the QIO
                        00BA    180                  IOSB=(R9),-                        ;
                        00BA    181                  EFN=#EXE$C_SYSEFN,-                ;
                        00BA    182                  FUNC=#IO$_SETMODE!IO$M_TT_DISCON;
                18 50   E9      00DC    183          BLBC    R0,30$                     ; Branch if error
             50    69   3C      00DF    184          MOVZWL  (R9),R0                    ; Use IOSB status
                12 50   E9      00E2    185          BLBC    R0,30$                     ; Branch if error
                        00E5    186
                        00E5    187 ;
                        00E5    188 ; Process /[NO]CONTINUE qualifier.
                        00E5    189 ;
               FF18'    30      00E5    190          BSBW    DCL$GETDVAL                ; Get first token
             55   00    D1      00E8    191          CMPL    #PTR_K_COMDQUAL,R5         ; Qualifier?
                  03    12      00EB    192          BNEQ    20$                        ; No, then done
                08 53   E9      00ED    193          BLBC    R3,CONTINUE                ; Branch if /CONTINUE
                        00F0    194
                        00F0    195 20$:     STATUS  NORMAL                             ; Set success status
                        00F7    196 30$:     RSB                                        ; Return
```

```
                        00F8   198          .SBTTL  Contine process after disconnect
                        00F8   199 ;+
                        00F8   200 ; CONTINUE - Contine process after disconnect
                        00F8   201 ;
                        00F8   202 ; This routine is called to issue the CONTINUE command.
                        00F8   203 ;
                        00F8   204 ; INPUTS:
                        00F8   205 ;
                        00F8   206 ;       R8 = Address of scratch buffer descriptor.
                        00F8   207 ;       R9 = Address of scratch stack.
                        00F8   208 ;       R10 = Base address of command work area.
                        00F8   209 ;       R11 = Base address of process work area.
                        00F8   210 ;
                        00F8   211 ; OUTPUTS:
                        00F8   212 ;
                        00F8   213 ;       The process continues execution.
                        00F8   214 ;-
                        00F8   215
                        00F8   216 CONTINUE:                                    ; Continue process
      51    FF04 CF     9E   00F8   217          MOVAB   CONT,R1                ; Get addr of continue command
      50      81        9A   00FD   218          MOVZBL  (R1)+,R0               ; Get descr of command
F896 CA     61    50      28   0100   219          MOVC    R0,(R1),WRK_G_INPBUF(R10)      ; Move command to input buffer
      F895 CA           9E   0106   220          MOVAB   WRK_G_INPBUF-T(R10),-          ; Set input buffer pointer
      F48E CA                0106   221                  WRK_L_CHARPTR(R10)             ;
         FEF0'      31   010D   222          BRW     DCL$CMDSTART                   ; Execute the command
```

```
                                0110   224          .SBTTL  Check that terminal is disconnectable
                                0110   225 ;+
                                0110   226 ; DISCONNECTABLE - Check that terminal is disconnectable
                                0110   227 ;
                                0110   228 ; This routine is called to check that the terminal is disconnectable.
                                0110   229 ;
                                0110   230 ; INPUTS:
                                0110   231 ;
                                0110   232 ;       R8 = Address of scratch buffer descriptor.
                                0110   233 ;       R9 = Address of scratch stack.
                                0110   234 ;       R10 = Base address of command work area.
                                0110   235 ;       R11 = Base address of process work area.
                                0110   236 ;
                                0110   237 ; OUTPUTS:
                                0110   238 ;
                                0110   239 ;       Routine only returns to caller if terminal is disconnectable.
                                0110   240 ;-
                                0110   241 DISCONNECTABLE:                                  ; Check disconnectability
                          79    D4    0110   242          CLRL    -(R9)                      ; Allocate a return buffer
                          79    7C    0112   243          CLRQ    -(R9)                      ; Create the item list
                    79    08  A9    DE    0114   244          MOVAL   8(R9),-(R9)                ; Set the buffer address
                79  001C0004  8F    D0    0118   245          MOVL    #DVI$_DEVDEPEND2@16!4,-(R9)    ; Set item code and length
                          79    7C    011F   246          CLRQ    -(R9)                      ; Allocate an IOSB
                                0121   247          $GETDVIW_S  CHAN=PRC_W_INPCHAN(R11),-   ; Get the terminal chars
                                0121   248                      ITMLST=8(R9),-              ;
                                0121   249                      IOSB=(R9),-                 ;
                                0121   250                      EFN=#EXE$C_SYSEFN           ;
                       13 50    E9    013D   251          BLBC    R0,90$                     ; Branch if error
                    50    69    3C    0140   252          MOVZWL  (R9),R0                    ; Use IOSB status
                       0D 50    E9    0143   253          BLBC    R0,90$                     ; Branch if error
                                0146   254          STATUS  NOTDISCON                  ; Assume not disconnectable
                01 18 A9    11    E1    014D   255          BBC     #TT2$V_DISCONNECT,24(R9),90$   ; Branch if not disconnectable
                                05    0152   256          RSB                                ; Return
                                0153   257
                          8E    D5    0153   258 90$:     TSTL    (SP)+                      ; Pop return address
                                05    0155   259          RSB                                ; Return status
                                0156   260
                                0156   261          .END
```

```
$$T1                            = 00000001
CLI$K_CONN_CONT                   ********    X   02
CLI$_NORMAL                     = 00030001
CLI$_NOTDISCON                  = 0003892A
CONT                              00000000 R      02
CONTINUE                          000000F8 R      02
DCL$CMDSTART                      ********    X   02
DCL$CONNECT                       0000000A RG     02
DCL$DISCONNECT                    000000A0 RG     02
DCL$GETDVAL                       ********    X   02
DCL$GETNVAL                       ********    X   02
DEV$V_TRM                       = 00000002
DISCONNECTABLE                    00000110 R      02
DVI$_DEVDEPEND2                 = 0000001C
EXE$C_SYSEFN                      ********    X   02
IO$M_TT_CONNECT                 = 00000800
IO$M_TT_DISCON                  = 00001000
IO$V_TT_DISCON                  = 0000000C
IO$_SETMODE                     = 00000023
PRC_B_CONTINUE                    000000F3
PRC_B_DEFRADIX                    000000AE
PRC_B_EXMDEPMOD                   000000AD
PRC_B_EXMDEPWID                   000000AC
PRC_B_EXONLYL                     0000012D
PRC_B_FLAGS2                      000000AF
PRC_B_IMGFLAG                     00000078
PRC_B_OUTFLAGS                    0000012C
PRC_B_PROMPTLEN                   000000F0
PRC_C_LENGTH                      00000534
PRC_G_COMMANDS                    00000133
PRC_G_PROMPT                      000000F4
PRC_K_LENGTH                      00000534
PRC_L_CURRKEY                     00000048
PRC_L_EXMDEPADR                   000000A8
PRC_L_EXTARG                      00000094
PRC_L_EXTBLK                      0000008C
PRC_L_EXTCOD                      0000009C
PRC_L_EXTHND                      00000090
PRC_L_EXTPRM                      00000098
PRC_L_IDFLNK                      000000BC
PRC_L_IMGACTSTS                   00000080
PRC_L_INDCLOCK                    0000007C
PRC_L_INDEPTH                     0000005C
PRC_L_INDFAB                      0000001C
PRC_L_INDINPRAB                   00000014
PRC_L_INDOUTRAB                   00000018
PRC_L_INPRAB                      00000008
PRC_L_LASTKEY                     0000004C
PRC_L_LSTSTATUS                   000000B0
PRC_L_ONCTLY                      000000B8
PRC_L_ONERROR                     0000006C
PRC_L_OUTOFBAND                   000000B4
PRC_L_OUTRAB                      0000000C
PRC_L_OUTRABCTX                   00000118
PRC_L_PPFLIST                     00000070
PRC_L_RECALLPTR                   0000012F
PRC_L_RESTART                     00000058
PRC_L_SAVAP                       00000000
PRC_L_SAVFP                       00000004
PRC_L_SEVERITY                    00000050
PRC_L_SPWN                        000000C0
PRC_L_STACKLM                     000000A4
PRC_L_STACKPT                     000000A0
PRC_L_STATUS                      00000054
PRC_L_STS                         00000084
PRC_L_STV                         00000088
PRC_L_SYMBOL                      00000060
PRC_L_TMBX                        00000074
PRC_L_TRMLIST                     00000010
PRC_Q_ALLOCREG                    00000020
PRC_Q_COMMAND                     000000E0
PRC_Q_FLUSHTIME                   000000D0
PRC_Q_GLOBAL                      00000028
PRC_Q_IMAGENAME                   000000D8
PRC_Q_KEYPAD                      00000040
PRC_Q_LABEL                       00000030
PRC_Q_LOCAL                       00000038
PRC_Q_SAVEPRIV                    000000E8
PRC_T_OUTDVI                      0000011C
PRC_V_MODE                      = 00000006
PRC_W_ASTIOSB                     000000C6
PRC_W_ASTRETN                     000000C8
PRC_W_ASTSTATUS                   000000C4
PRC_W_ATTMBX                      0000007A
PRC_W_FLAGS                       00000068
PRC_W_INPCHAN                     00000064
PRC_W_ONLEVEL                     0000006A
PRC_W_OUTIFI                      00000114
PRC_W_OUTISI                      00000116
PRC_W_OUTMBXCHN                   000000CA
PRC_W_OUTMBXREF                   000000CE
PRC_W_OUTMBXSIZ                   000000CC
PRC_W_PMPTCTRL                    000000F1
PRC_W_WAITIOSB                    00000066
PTR_B_LEVEL                       00000004
PTR_B_NUMBER                      00000005
PTR_B_PARMCNT                     00000006
PTR_B_VALUE                       00000000
PTR_C_LENGTH                      0000000C
PTR_K_COMDQUAL                  = 00000000
PTR_K_LENGTH                      0000000C
PTR_L_DESCR                       00000000
PTR_L_ENTITY                      00000008
RAB$L_CTX                       = 00000018
SYS$GETDVIW                       ********  GX    02
SYS$QIOW                          ********  GX    02
TT2$V_DISCONNECT                = 00000011
WRK_B_CMDOPT                      FFFFFFC3
WRK_B_MAXPARM                     FFFFFFD0
WRK_B_MINPARM                     FFFFFFD1
WRK_B_PARMCNT                     FFFFFFCE
WRK_B_PARMSUM                     FFFFFFCF
WRK_B_RECALLCNT                   FFFFFFC5
WRK_B_VALLEV                      FFFFFFC4
```

```
WRK_B_VERBTYP                   FFFFFFC2
WRK_C_LENGTH                    FFFFF486
WRK_G_BUFFER                    FFFFF492
WRK_G_INPBUF                    FFFFF896
WRK_G_RESULT                    FFFFF9B6
WRK_K_LENGTH                    FFFFF486
WRK_L_CHARPTR                   FFFFF48E
WRK_L_DISALLOW                  FFFFFFE6
WRK_L_ERRORRTN                  FFFFF9AE
WRK_L_EXPANDPTR                 FFFFF486
WRK_L_IMAGE                     FFFFFFE2
WRK_L_MARKPTR                   FFFFF48A
WRK_L_PAROUT                    FFFFFFD2
WRK_L_PMPTADDR                  FFFFF9A2
WRK_L_PROMPTRTN                 FFFFF9A6
WRK_L_PROPTR                    FFFFFFC6
WRK_L_QUABLK                    FFFFFFCA
WRK_L_READRTN                   FFFFF9AA
WRK_L_RECALLPTR                 FFFFFFEA
WRK_L_RSLEND                    FFFFFFB6
WRK_L_RSLNXT                    FFFFFFBA
WRK_L_SAVAP                     FFFFFFF8
WRK_L_SAVFP                     FFFFFFFC
WRK_L_SAVSP                     FFFFFFF4
WRK_L_SIGNALRTN                 FFFFFFD6
WRK_L_SPECRTN                   FFFFF9B2
WRK_L_TAB_VEC                   FFFFFFDE
WRK_L_VERB                      FFFFFFBE
WRK_W_FLAGS                     FFFFFFF0
WRK_W_FLAGS2                    FFFFFFF2
WRK_W_IMGCHAN                   FFFFFFEE
WRK_W_PMPTLEN                   FFFFF99E
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
ABS	FFFFFFFC (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
DCL$ZCODE	00000156 (342.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	15	00:00:00.09	00:00:00.82
Command processing	106	00:00:00.67	00:00:05.46
Pass 1	310	00:00:12.27	00:00:35.80
Symbol table sort	0	00:00:01.76	00:00:05.20
Pass 2	48	00:00:01.96	00:00:06.83
Symbol table output	17	00:00:00.14	00:00:00.37
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00

```
Assembler run totals              498      00:00:16.91     00:00:54.50

The working set limit was 1200 pages.
63550 bytes (125 pages) of virtual memory were used to buffer the intermediate code.
There were 70 pages of symbol table space allocated to hold 1219 non-local and 10 local symbols.
261 source lines were read in Pass 1, producing 14 object records in Pass 2.
40 pages of virtual memory were used to define 26 macros.

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

Macro library name                       Macros defined
------------------                       --------------
_$255$DUA28:[SYSLIB]SYSBLDMLB.MLB;1                 0
_$255$DUA28:[DCL.OBJ]DCL.MLB;1                      6
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                      0
_$255$DUA28:[SYSLIB]STARLET.MLB;2                  14
TOTALS (all libraries)                             20

1420 GETS were required to define 20 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:CONNECT/OBJ=OBJ$:CONNECT MSRC$:CONNECT/UPDATE=(ENH$:CONNECT)+EXECML$/LIB+LIB$:DCL/LIB+SYS$LIBRARY:SYSBLDMLB/LIB
```

INTDEF
SDL

COMMAND
LIS

DESCRVAL
LIS

CONVERT
LIS

CLIMAC
MAR

CLIMSG
LIS

CONNECT
LIS

DCLPARSE
LIS

CHARMANIP
LIS

EXAMDEP
LIS

EXIT
LIS

INTIMAGES
MAR

DCXSTART
LIS

CLIGBL
LIS

DISALLOW
LIS

CLINT
LIS

CANCEL
LIS