DCL

```
  CCCCCCC      AAAAAA     NN      NN    CCCCCCC   EEEEEEEEEE  LL
  CCCCCCC      AAAAAA     NN      NN    CCCCCCC   EEEEEEEEEE  LL
CC             AA    AA   NN      NN  CC          EE          LL
CC             AA    AA   NN      NN  CC          EE          LL
CC             AA    AA   NNNN    NN  CC          EE          LL
CC             AA    AA   NNNN    NN  CC          EE          LL
CC             AA    AA   NN  NN  NN  CC          EEEEEEE     LL
CC             AA    AA   NN   NN NN  CC          EEEEEEE     LL
CC             AAAAAAAAAA  NN   NNNN  CC          EE          LL
CC             AAAAAAAAAA  NN    NNNN CC          EE          LL
CC             AA    AA   NN      NN  CC          EE          LL            ....
CC             AA    AA   NN      NN  CC          EE          LL            ....
  CCCCCCC      AA    AA   NN      NN    CCCCCCC   EEEEEEEEEE  LLLLLLLLLL     ....
  CCCCCCC      AA    AA   NN      NN    CCCCCCC   EEEEEEEEEE  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  CANCEL - CANCEL SCHEDULED WAKEUPS
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      ; ABSTRACT:
0000         29      ;
0000         30      ;       Cancel scheduled wakeup requests for a process
0000         31      ; AUTHOR:
0000         32      ;
0000         33      ;
0000         34      ;       Peter George,  August 1982
0000         35      ;
0000         36      ; MODIFIED BY:
0000         37      ;
0000         38      ;---
0000         39      ;
0000         40      ;
0000         41      ; MACRO LIBRARY CALLS
0000         42      ;
0000         43              PTRDEF
0000         44              $CLIMSGDEF                      ;DEFINE CLI RELATED ERRORS
0000         45
0000         46      ;
0000         47      ; LOCAL DATA
0000         48      ;
00000000     49              .PSECT  DCL$ZCODE,BYTE,RD,NOWRT
0000         50      HEXTAB:                                 ;VALID HEX NUMERALS
0000         51              .ASCII  /FEDCBA9876543210/
```

34 35 36 37 38 39 41 42 43 44 45 46
            30 31 32 33   000C

```
                        0010    53            .SBTTL  CANCEL SCHEDULED WAKEUPS
                        0010    54    ;+
                        0010    55    ; DCL$CANCEL - CANCEL SCHEDULED WAKEUP REQUESTS FOR A PROCESS
                        0010    56    ;
                        0010    57    ; THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE CANCEL
                        0010    58    ; DCLS COMMAND.
                        0010    59    ;
                        0010    60    ; INPUTS:
                        0010    61    ;
                        0010    62    ;       R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
                        0010    63    ;       R9 = ADDRESS OF SCRATCH STACK.
                        0010    64    ;       R10 = BASE ADDRESS OF COMMAND WORK AREA.
                        0010    65    ;       R11 = BASE ADDRESS OF PROCESS WORK AREA.
                        0010    66    ;
                        0010    67    ; OUTPUTS:
                        0010    68    ;
                        0010    69    ;       ALL SCHEDULED WAKEUP REQUESTS FOR THE SPECIFIED PROCESS ARE
                        0010    70    ;       CANCELLED.
                        0010    71    ;-
                        0010    72
                        0010    73    DCL$CANCEL::                              ; CANCEL WAKEUP REQUEST
             57   D4    0010    74            CLRL    R7                        ; CLEAR PROCESS NAME
             79   D4    0012    75            CLRL    -(R9)                     ; CLEAR PID
           FFE9'  30    0014    76    10$:    BSBW    DCL$GETDVAL               ; GET FIRST TOKEN
         55  00   D1    0017    77            CMPL    #PTR_K_COMDQUAL,R5        ; /ID QUALIFIER?
             1D   12    001A    78            BNEQ    30$                       ; NO, THEN MAYBE PARAMETER
                        001C    79
             69   D4    001C    80            CLRL    (R9)                      ; YES, ZERO PREVIOUS PID
           FFDF'  30    001E    81            BSBW    DCL$GETDVAL               ; GET PID VALUE
         52  51   7D    0021    82            MOVQ    R1,R2                     ; SAVE THE LENGTH
                        0024    83
             52   D7    0024    84    20$:    DECL    R2                        ; GET A CHARACTER
             EC   19    0026    85            BLSS    10$                       ; BRANCH IF NONE LEFT
D3 AF  10    83   3A    0028    86            LOCC    (R3)+,#16,HEXTAB          ; IS IT A LEGIT HEX CHAR
             23   13    002D    87            BEQL    50$                       ; NO, THEN ERROR
         69  10   C4    002F    88            MULL    #16,(R9)                  ; SHIFT PREVIOUS VALUE
         69  50   C0    0032    89            ADDL    R0,(R9)                   ; ADD LATEST CHARACTER
             69   D7    0035    90            DECL    (R9)                      ; ADJUST BY ONE
             EB   11    0037    91            BRB     20$                       ; GET NEXT CHARACTER
                        0039    92
         55  03   D1    0039    93    30$:    CMPL    #PTR_K_PARAMETR,R5        ; PROCESS NAME?
             08   12    003C    94            BNEQ    40$                       ; NO, THEN MUST BE END OF LINE
         57  58   D0    003E    95            MOVL    R8,R7                     ; GET SCRATCH SPACE
         68  51   7D    0041    96            MOVQ    R1,(R8)                   ; COPY THE PROCESS NAME THERE
             CE   11    0044    97            BRB     10$                       ; ANY MORE QUALIFIERS?
                        0046    98
                        0046    99    40$:    $CANWAK_S       (R9),(R7)         ; CANCEL SCHEDULED WAKEUPS
             05         0051   100            RSB
                        0052   101
                        0052   102    50$:    STATUS  IVVALU                    ; PID SYNTAX ERROR
             05         0059   103            RSB
                        005A   104
                        005A   105            .END
```

```
CLI$_IVVALU       = 00038088
DCL$CANCEL          00000010 RG    02
DCL$GETDVAL         ******** X     02
HEXTAB              00000000 R     02
PTR_B_LEVEL         00000004
PTR_B_NUMBER        00000005
PTR_B_PARMCNT       00000006
PTR_B_VALUE         00000000
PTR_C_LENGTH        0000000C
PTR_K_COMDQUAL    = 00000000
PTR_K_LENGTH        0000000C
PTR_K_PARAMETR    = 00000003
PTR_L_DESCR         00000000
PTR_L_ENTITY        00000008
SYS$CANWAK          ******** GX    02
```

```
                              +------------------+
                              ! Psect synopsis !
                              +------------------+


PSECT name                        Allocation          PSECT No.   Attributes
----------                        ----------          ---------   ----------
.  ABS  .                         00000000 (    0.)   00 (   0.)  NOPIC  USR  CON  ABS  LCL NOSHR NOEXE NORD   NOWRT NOVEC BYTE
$ABS$                             0000000C (   12.)   01 (   1.)  NOPIC  USR  CON  ABS  LCL NOSHR  EXE  RD     WRT NOVEC BYTE
DCL$ZCODE                         0000005A (   90.)   02 (   2.)  NOPIC  USR  CON  REL  LCL NOSHR  EXE  RD   NOWRT NOVEC BYTE
```

```
                              +------------------------+
                              ! Performance indicators !
                              +------------------------+


Phase                   Page faults   CPU Time      Elapsed Time
-----                   -----------   --------      ------------
Initialization                   10   00:00:00.10   00:00:01.31
Command processing               86   00:00:00.76   00:00:08.15
Pass 1                          130   00:00:02.66   00:00:10.81
Symbol table sort                 0   00:00:00.19   00:00:00.72
Pass 2                           29   00:00:00.46   00:00:02.78
Symbol table output               2   00:00:00.02   00:00:00.02
Psect synopsis output             0   00:00:00.02   00:00:00.02
Cross-reference output            0   00:00:00.00   00:00:00.00
Assembler run totals            257   00:00:04.22   00:00:23.82
```

The working set limit was 900 pages.
10843 bytes (22 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 191 non-local and 5 local symbols.
105 source lines were read in Pass 1, producing 13 object records in Pass 2.
15 pages of virtual memory were used to define 13 macros.

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

Macro library name                           Macros defined
------------------                           --------------
-$255$DUA28:[SYSLIB]SYSBLDMLB.MLB;1                 0
-$255$DUA28:[DCL.OBJ]DCL.MLB;1                      4
-$255$DUA28:[SYS.OBJ]LIB.MLB;1                      0
-$255$DUA28:[SYSLIB]STARLET.MLB;2                   5
TOTALS (all libraries)                             9
```

282 GETS were required to define 9 macros.

There were no errors, warnings or information messages.

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