```
DDDDDDDDDDD        CCCCCCCCCCC  LLL
DDDDDDDDDDD        CCCCCCCCCCC  LLL
DDDDDDDDDDD        CCCCCCCCCCC  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
DDDDDDDDDDD        CCCCCCCCCCC  LLLLLLLLLLLLLLL
DDDDDDDDDDD        CCCCCCCCCCC  LLLLLLLLLLLLLLL
DDDDDDDDDDD        CCCCCCCCCCC  LLLLLLLLLLLLLLL
```

```
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         EEEEEEEE    LL
CC         AA    AA  NN  NN  NN  CC         EEEEEEEE    LL
CC         AAAAAAAAA NN    NNNN  CC         EE          LL
CC         AAAAAAAAA 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  LLLLLLLLL    ....
CCCCCCC    AA    AA  NN      NN    CCCCCCC  EEEEEEEEEE  LLLLLLLLL    ....

LL         IIIIII      SSSSSSSS
LL         IIIIII      SSSSSSSS
LL           II      SS
LL           II      SS
LL           II      SS
LL           II        SSSSSS
LL           II        SSSSSS
LL           II            SS
LL           II            SS
LL           II            SS
LLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLL  IIIIII      SSSSSSSS
```

```
                        0000        1                  .TITLE  CANCEL - CANCEL SCHEDULED WAKEUPS
                        0000        2                  .IDENT  'V04-000'
                        0000        3
                        0000        4          ;
                        0000        5          ;*******************************************************************************
                        0000        6          ;*                                                                             *
                        0000        7          ;*      COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                *
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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          ;
                        0000       32          ; AUTHOR:
                        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
34 35 36 37 38 39 41 42 43 44 45 46 0000       51                  .ASCII  /FEDCBA9876543210/
            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