


```

SSSSSSSS YY YY SSSSSSSS CCCCCCCC AAAAAA NN NN EEEEEEEEE VV VV TTTTTTTTTT
SSSSSSSS YY YY SSSSSSSS CCCCCCCC AAAAAA NN NN EEEEEEEEE VV VV TTTTTTTTTT
SS SS YY YY SS SSSSSSSS CC CC AA AA NN NN EE EEEEEEEEE VV VV TT
SS SS YY YY SS SSSSSSSS CC CC AA AA NN NN EE EEEEEEEEE VV VV TT
SS SS YY YY SS SSSSSSSS CC CC AA AA NN NN EE EEEEEEEEE VV VV TT
SSSSSSS YY YY SSSSSSSS CC CC AA AA NN NN EE EEEEEEEEE VV VV TT
SSSSSSS YY YY SSSSSSSS CC CC AA AA NN NN EE EEEEEEEEE VV VV TT
SS YY YY YY SS SSSSSSSS CC CC AAAAAAAAAA NN NNNN EE EEEEEEEEE VV VV TT
SS YY YY YY SS SSSSSSSS CC CC AAAAAAAAAA NN NNNN EE EEEEEEEEE VV VV TT
SS YY YY YY SS SSSSSSSS CC CC AAAAAAAAAA NN NNNN EE EEEEEEEEE VV VV TT
SSSSSSSS YY YY SSSSSSSS CCCCCCCC AA AA NN NN EE EEEEEEEEE VV VV TT
SSSSSSSS YY YY SSSSSSSS CCCCCCCC AA AA NN NN EE EEEEEEEEE VV VV TT

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LL LL I I I I I I SSSSSSSS
LL LL I I I I I I SSSSSSSS
LL LL I I I I I I SS
LL LL I I I I I I SS
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LLLLLLLLLLLL I I I I I I SSSSSSSS
LLLLLLLLLLLL I I I I I I SSSSSSSS

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SYSCANEVT
Table of contents

- SYSTEM SERVICES TO CANCEL EVENTS^{C 4}

16-SEP-1984 01:46:23 VAX/VMS Macro V04-00

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| (1) | 66 | CANCEL TIMER REQUEST |
| (1) | 97 | CANCEL WAKEUP |

SYS
Sym

ARC
CTL
EXE
EXE
EXE
PCB
PRV
PRV
PSL
ROU
SFS
SSS

PSE

:
E
\$AE

Pha

Ini
COM
Pas
Sym
Pas
Sym
Pse
Cro
Ass

The
335
The
131
12

Mac

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-S
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761

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0000 1      .TITLE SYSCANEVT - SYSTEM SERVICES TO CANCEL EVENTS
0000 2      .IDENT 'V04-000'
0000 3
0000 4
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0000 27
0000 28 : D. N. CUTLER 4-OCT-76
0000 29
0000 30 : SYSTEM SERVICES TO CANCEL EVENTS
0000 31
0000 32 : CANCEL TIMER
0000 33 : CANCEL WAKEUP
0000 34
0000 35 : MODIFICATION HISTORY:
0000 36
0000 37 : V03-001 KDM0002      Kathleen D. Morse      28-Jun-1982
0000 38 : Add $IPLDEF.
0000 39
0000 40
0000 41 : MACRO LIBRARY CALLS
0000 42
0000 43
0000 44 : $IPLDEF      ;DEFINE INTERRUPT PRIORITY LEVELS
0000 45 : $PCBDEF      ;DEFINE PCB OFFSETS
0000 46 : $PRDEF       ;DEFINE PROCESS REGISTER NUMBERS
0000 47 : $SSDEF       ;DEFINE SYSTEM STATUS VALUES
0000 48 : $TQEDEF      ;DEFINE TQE OFFSETS
0000 49
0000 50
0000 51 : LOCAL SYMBOLS
0000 52
0000 53 : ARGUMENT LIST OFFSET DEFINITIONS FOR CANCEL TIMER
0000 54
0000 55
00000004 0000 56 REQIDT=4      ;REQUEST IDENTIFICATION
00000008 0000 57 ACMODE=8      ;ACCESS MODE

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```
0000 58
0000 59 :
0000 60 : ARGUMENT LIST OFFSET DEFINITIONS FOR CANCEL WAKEUP
0000 61 :
0000 62 :
00000004 0000 63 PIDADR=4 ;ADDRESS OF PROCESS IDENTIFICATION
00000008 0000 64 LOGNAM=8 ;ADDRESS OF PROCESS NAME STRING DESCRIPTOR
```

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0000 66      .SRTTL  CANCEL TIMER REQUEST
0000 67      :+
0000 68      : EXESCANTIM - CANCEL TIMER REQUEST
0000 69      :
0000 70      : THIS SERVICE PROVIDES THE CAPABILITY TO CANCEL ALL OR A SPECIFIED SUBSET
0000 71      : OF TIMERS THAT WERE PREVIOUSLY ESTABLISHED.
0000 72      :
0000 73      : INPUTS:
0000 74      :
0000 75      :     REQIDT(AP) = REQUEST IDENTIFICATION (ZERO IMPLIES ALL).
0000 76      :     ACMODE(AP) = ACCESS MODE (ALL EQUAL AND HIGHER ACCESS MODES).
0000 77      :
0000 78      :     R4 = CURRENT PROCESS PCB ADDRESS.
0000 79      :
0000 80      : OUTPUTS:
0000 81      :
0000 82      :     R0 LOW BIT SET INDICATES SUCCESSFUL COMPLETION.
0000 83      :
0000 84      :     R0 = SSS_NORMAL - NORMAL COMPLETION.
0000 85      : -
0000 86      :
0000 87      : .ENABL  LSB
0000 88      : .ENTRY  EXESCANTIM,^M<R2,R3,R4,R5>
50  08 AC  02  00  003C 0000 89      : EXTZV  #0,#2,ACMODE(AP),R0      ;GET SPECIFIED ACCESS MODE
      00000000'EF  16 0008 90      : JSB    EX$MAXACMODE           ;MAXIMIZE ACCESS MODE WITH PREVIOUS MODE
      55  60 A4  D0 000E 91      : MOVL   PCB$P,PCB$P,R5         ;SET PROCESS ID
      54  00  9A 0012 92      : MOVZBL #TQESC,TMSG,PCB$P,R4   ;SET TYPE OF ENTRY
      53  04  AC  D0 0015 93      : MOVL   REQIDT(AP),R3         ;SET REQUEST IDENTIFICATION
      52  50  D0 0019 94      : MOVL   R0,R2                 ;SET CANCELLATION ACCESS MODE
      0E  11 001C 95      : BRB    10$                   ;FINISH IN COMMON CODE

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001E 97 .SBTTL CANCEL WAKEUP
001E 98 :+
001E 99 : EXE$CANWAK - CANCEL WAKEUP
001E 100 :
001E 101 : THIS SERVICE PROVIDES THE CAPABILITY TO CANCEL ALL WAKE UP REQUESTS FOR
001E 102 : A SPECIFIED PROCESS.
001E 103 :
001E 104 : INPUTS:
001E 105 :
001E 106 : PIDADR(AP) = ADDRESS OF PROCESS IDENTIFICATION.
001E 107 : LOGNAM(AP) = ADDRESS OF PROCESS NAME STRING DESCRIPTOR.
001E 108 :
001E 109 : R4 = CURRENT PROCESS PCB ADDRESS.
001E 110 :
001E 111 : OUTPUTS:
001E 112 :
001E 113 : R0 LOW BIT CLEAR INDICATES FAILURE TO CANCEL WAKE UP REQUESTS.
001E 114 :
001E 115 : R0 = SS$ ACCVIO - PROCESS NAME STRING OR PROCESS NAME
001E 116 : STRING DESCRIPTOR CANNOT BE READ BY CALLING ACCESS
001E 117 : MODE, OR PROCESS IDENTIFICATION CANNOT BE WRITTEN
001E 118 : BY CALLING ACCESS MODE.
001E 119 :
001E 120 : R0 = SS$ IVLOGNAM - ZERO OR GREATER THAN MAXIMUM LENGTH
001E 121 : PROCESS NAME STRING SPECIFIED.
001E 122 :
001E 123 : R0 = SS$ NONEXPR - NONEXISTENT PROCESS OF INVALID PROCESS
001E 124 : IDENTIFICATION SPECIFIED.
001E 125 :
001E 126 : R0 = SS$ NOPRIV - PROCESS DOES NOT HAVE PRIVILEGE TO WAKE
001E 127 : SPECIFIED PROCESS.
001E 128 :
001E 129 : R0 LOW BIT SET INDICATES SUCCESSFUL COMPLETION.
001E 130 :
001E 131 : R0 = SS$_NORMAL - NORMAL COMPLETION.
001E 132 : -
001E 133 :
001E 134 .ENTRY EXE$CANWAK, *M<R2,R3,R4,R5>
FFDD' 003C 0020 135 BSBW EXE$NAMPID :GET TARGET PROCESS ID
OF 50 E9 0023 136 BLBC R0,20$ :IF LBC INVALID ARGUMENT
54 02 9A 0026 137 MOVZBL #TQESC_WKSNGL,R4 :SET TYPE OF ENTRY
55 51 D0 0029 138 MOVL R1,R5 :SET TARGET PROCESS ID
002C 139 10$: SETIPL #IPL$ TIMER :RAISE IPL TO TIMER LEVEL
FFCE' 30 002F 140 BSBW EXE$RMVTIMQ :REMOVE ENTRIES FROM TIMER QUEUEF
50 01 3C 0032 141 MOVZWL #SS$_NORMAL,R0 :SET NORMAL COMPLETION STATUS
0035 142 20$: SETIPL #0 :ALLOW INTERRUPTS
04 0038 143 RET :
0039 144 .DSABL LSB
0039 145
0039 146 .END

```

SYSCANEVT
Symbol table

- SYSTEM SERVICES TO CANCEL EVENTS ^{H 4}

16-SEP-1984 01:46:23 VAX/VMS Macro V04-00
5-SEP-1984 03:49:17 [SYS.SRC]SYSCANEVT.MAR;1

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(1)

SYS
V04

```

ACMODE          = 00000008
EXESCANTIM      = 00000000 RC    01
EXESCANWAK      = 0000001E RG    01
EXESMAXACMODE   = ***** X    01
EXESNAMPID      = ***** X    01
EXESRMVTIMQ     = ***** X    01
IPLS_TIMER      = 00000008
LOGNAM          = 00000008
PCBSL_PID       = 00000060
PIDADR          = 00000004
PR$ IPL         = 00000012
REQIDT          = 00000004
SS$ NORMAL      = 00000001
TQESC_TMSNGL    = 00000000
TQESC_WKSNGL    = 00000002
    
```

! Psect synopsis !

| PSECT name | Allocation | PSECT No. | Attributes |
|------------|-----------------|-----------|---|
| . ABS : | 00000000 (0.) | 00 (0.) | NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE |
| . BLANK : | 00000039 (57.) | 01 (1.) | NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE |
| \$AB\$\$ | 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 | 36 | 00:00:00.07 | 00:00:01.14 |
| Command processing | 126 | 00:00:00.53 | 00:00:04.16 |
| Pass 1 | 236 | 00:00:05.88 | 00:00:17.99 |
| Symbol table sort | 0 | 00:00:01.00 | 00:00:02.50 |
| Pass 2 | 42 | 00:00:01.02 | 00:00:03.95 |
| Symbol table output | 4 | 00:00:00.03 | 00:00:00.04 |
| Psect synopsis output | 1 | 00:00:00.02 | 00:00:00.02 |
| Cross-reference output | 0 | 00:00:00.00 | 00:00:00.00 |
| Assembler run totals | 447 | 00:00:08.56 | 00:00:29.80 |

The working set limit was 1350 pages.
32963 bytes (65 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 670 non-local and 2 local symbols.
146 source lines were read in Pass 1, producing 18 object records in Pass 2.
13 pages of virtual memory were used to define 12 macros.

↑-----↑
! Macro library statistics !
↑-----↑

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

746 GETS were required to define 9 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:SYSCANEVT/OBJ=OBJ\$:SYSCANEVT MSRCS:SYSCANEVT/UPDATE=(ENHS:SYSCANEVT)+EXECMLS/LIB

