```
RRRRRRRRRRR      MMM          MMM     SSSSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSSSS
RRR         RRR  MMMMMM    MMMMMM  SSS
RRR         RRR  MMMMMM    MMMMMM  SSS
RRR         RRR  MMMMMM    MMMMMM  SSS
RRR         RRR  MMM   MMM   MMM   SSS
RRR         RRR  MMM   MMM   MMM   SSS
RRR         RRR  MMM   MMM   MMM   SSS
RRRRRRRRRRR      MMM          MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRR   RRR        MMM          MMM             SSS
RRR   RRR        MMM          MMM             SSS
RRR   RRR        MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
```

```
RRRRRRRR    MM      MM   SSSSSSSS    000000    DDDDDDDD   EEEEEEEEEE  LL          EEEEEEEEEE  TTTTTTTTTT
RRRRRRRR    MM      MM   SSSSSSSS    000000    DDDDDDDD   EEEEEEEEEE  LL          EEEEEEEEEE  TTTTTTTTTT
RR      RR  MMMM  MMMM  SS          OO    OO  DD      DD  EE          LL          EE              TT
RR      RR  MMMM  MMMM  SS          OO    OO  DD      DD  EE          LL          EE              TT
RR      RR  MM MM MM MM  SS          OO    OO  DD      DD  EE          LL          EE              TT
RR      RR  MM MM MM MM  SS          OO    OO  DD      DD  EE          LL          EE              TT
RRRRRRRR    MM  MM  MM    SSSSSS    OO  OO OO  DD      DD  EEEEEEEE    LL          EEEEEEEE        TT
RRRRRRRR    MM  MM  MM    SSSSSS    OO  OO OO  DD      DD  EEEEEEEE    LL          EEEEEEEE        TT
RR   RR     MM      MM          SS  OOOO   OO  DD      DD  EE          LL          EE              TT
RR   RR     MM      MM          SS  OOOO   OO  DD      DD  EE          LL          EE              TT
RR    RR    MM      MM          SS  OO     OO  DD      DD  EE          LL          EE              TT          ....
RR    RR    MM      MM          SS  OO     OO  DD      DD  EE          LL          EE              TT          ....
RR     RR   MM      MM  SSSSSSSS    OOOOOO    DDDDDDDD   EEEEEEEEEE  LLLLLLLLLL  EEEEEEEEEE      TT          ....
RR     RR   MM      MM  SSSSSSSS    OOOOOO    DDDDDDDD   EEEEEEEEEE  LLLLLLLLLL  EEEEEEEEEE      TT          ....

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
```

Table of contents

```
0000     1          $BEGIN  RMSODELET,000,RM$RMS,<DISPATCH FOR DELETE OPERATION>
0000     2
0000     3  ;
0000     4  ;*****************************************************************************
0000     5  ;*                                                                           *
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0000    22  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    23  ;*                                                                           *
0000    24  ;*                                                                           *
0000    25  ;*****************************************************************************
0000    26  ;
```

```
0000     28 ;++
0000     29 ;
0000     30 ; Facility: rms32
0000     31 ;
0000     32 ; Abstract:
0000     33 ;                this routine is the highest level control
0000     34 ;                routine to perform the $delete function.
0000     35 ;
0000     36 ;
0000     37 ; Environment:
0000     38 ;                star processor running starlet exec.
0000     39 ;
0000     40 ; Author: L F LAVERDURE,         Creation Date: 8-NOV-1977
0000     41 ;
0000     42 ; Modified By:
0000     43 ;
0000     44 ;       V03-005 JWT0141         Jim Teague              11-Nov-1983
0000     45 ;               Change IFB$V_RUM to IFB$V_ONLY_RU
0000     46 ;
0000     47 ;       V03-004 KPL0001         Peter Lieberwirth       20-Jun-1983
0000     48 ;               Change some references to JNLFLG to JNLFLG2.
0000     49 ;
0000     50 ;       V03-003 KBT0451         Keith B. Thompson       6-Jan-1983
0000     51 ;               Fix broken branch
0000     52 ;
0000     53 ;       V03-002 JWH0153         Jeffrey W. Horn          8-Dec-1982
0000     54 ;               Don't allow $DELETE if not in recovery unit and RU only
0000     55 ;               specified for file.
0000     56 ;
0000     57 ;       V03-001 KBT0176         Keith B. Thompson       23-Aug-1982
0000     58 ;               Reorganize psects
0000     59 ;
0000     60 ;       V02-005 CDS0005         C Saether       11-Dec-1981
0000     61 ;               Fix broken branch.
0000     62 ;
0000     63 ;--
0000     64 ;
0000     65
```

```
0000     67          .SBTTL  DECLARATIONS
0000     68
0000     69 ;
0000     70 ; Include Files:
0000     71 ;
0000     72
0000     73 ;
0000     74 ; Macros:
0000     75 ;
0000     76
0000     77          $IFBDEF
0000     78          $RMSDEF
0000     79
0000     80 ;
0000     81 ; Equated Symbols:
0000     82 ;
0000     83
0000     84 ;
0000     85 ; Own Storage:
0000     86 ;
0000     87
```

```
0000     89          .SBTTL  RMS$DELETE - COMMON $DELETE SETUP AND DISPATCH ROUTINE
0000     90
0000     91 ;++
0000     92 ;
0000     93 ; RMS$DELETE
0000     94 ;
0000     95 ;       RMS$DELETE - this routine performs common rab function setup followed
0000     96 ;            by dispatch to organization-dependent $delete code
0000     97 ;
0000     98 ; Calling sequence:
0000     99 ;
0000    100 ;       entered from exec as a result of user's calling sys$delete
0000    101 ;       (e.g., by using the $delete macro)
0000    102 ;
0000    103 ; Input Parameters:
0000    104 ;
0000    105 ;       ap      user's argument list addr
0000    106 ;
0000    107 ; Implicit Inputs:
0000    108 ;
0000    109 ;       the contents of the rab and related irab and ifab.
0000    110 ;
0000    111 ; Output Parameters:
0000    112 ;
0000    113 ;       r1      destroyed
0000    114 ;       r0      status code
0000    115 ;
0000    116 ; Implicit Outputs:
0000    117 ;
0000    118 ;       various fields of the rab are filled in to reflect
0000    119 ;       the status of the $delete operation. (see rms functional
0000    120 ;       spec for a complete list.)
0000    121 ;
0000    122 ;       the irab is similarly deleted.
0000    123 ;
0000    124 ;       a completion ast is queued if specified in the user arglist.
0000    125 ;
0000    126 ; Completion Codes:
0000    127 ;
0000    128 ;       standard rms (see functional spec for list).
0000    129 ;
0000    130 ; Side Effects:
0000    131 ;
0000    132 ;       none
0000    133 ;
0000    134 ;--
0000    135
```

```
                                0000   137          $ENTRY  RMS$DELETE
                                0000   138          $TSTPT  DELETE
                                0006   139          $RABSET FAC=IFB$V_DEL,CFLG=1    ; do common setup
                                000A   140 .show me                                  ; returns to user on error
                                000A   141
                     0E 00A0 CA 00  E1  000A   142          BBC     #IFB$V_ONLY_RU,IFB$B_JNLFLG(R10),10$    ; branch if not RU only
                     08 00A2 CA 02  E0  0010   143          BBS     #IFB$V_RUP,IFB$B_JNLFLG2(R10),10$       ; branch if in RU
                                0016   144          RMSERR  NRU
                                0016               RMSSTS  NRU,R0
                                0016               .IF     DF RMS$_NRU
                                0016               .IF     EQ <RMS$_NRU&^XFF00>
                           00008700 0016               MOVZBL  #<RMS$_NRU&^XFF>,R0
                                0016               .IFF
                        50  87FC 8F  3C  0016               MOVZWL  #<RMS$_NRU&^XFFFF>,R0
                                001B               .ENDC
                                001B               .MEXIT
                                001B
                          FFE2' 31  001B   145          BRW     RM$EXRMS
                                001E   146
                                001E   147
                                001E   148 ;
                                001E   149 ; dispatch to org-dependent code
                                001E   150 ;
                                001E   151
                           14 6A  3E  E0  001E   152 10$:     BBS     #IFB$V_DAP,(R10),NTDEL  ; branch if network operation
                                0022   153          CASE    TYPE=B, SRC=IFB$B_ORGCASE(R10),-
                                0022   154                  DISPLIST=<RM$ERRIOP,DELETE2,RM$DELETE3>
                     02' 00   23 AA  8F  0022               CASEB   IFB$B_ORGCASE(R10),#0,S^#<<30001$-30000$>/2>-1
                                0027           30000$:
                                0027               .IRP    EP,<RM$ERRIOP,DELETE2,RM$DELETE3>
                                0027               .SIGNED_WORD    EP-30000$
                                0027               .ENDR
                          FFD9' 0027               .SIGNED_WORD    RM$ERRIOP-30000$
                                0029
                          0009' 0029               .SIGNED_WORD    DELETE2-30000$
                                002B
                          FFD9' 002B               .SIGNED_WORD    RM$DELETE3-30000$
                                002D
                                002D           30001$:
                                002D
                                002D   155
                           FFD0' 31  002D   156          BRW     RM$ERRORG               ; return to user with error
                                0030   157
                                0030   158 DELETE2:
                00000000'EF     17  0030   159          JMP     RM$DELETE2              ; Out of range delete
                                0036   160
                00000000'EF     17  0036   161 NTDEL:   JMP     NT$DELETE               ; delete record via remote fal
                                003C   162
                                003C   163          .END
```

```
$$.PSECT_EP                     = 00000000
$$RMSTEST                       = 0000001A
$$RMS_PBUGCHK                   = 00000010
$$RMS_TBUGCHK                   = 00000008
$$RMS_UMODE                     = 00000004
DELETE2                           00000030 R      01
IFB$B_JNLFLG                    = 000000A0
IFB$B_JNLFLG2                   = 000000A2
IFB$B_ORGCASE                   = 00000023
IFB$V_DAP                       = 0000003E
IFB$V_DEL                       = 00000002
IFB$V_ONLY_RU                   = 00000000
IFB$V_RUP                       = 00000002
NT$DELETE                         ********    X   01
NTDEL                             00000036 R      01
PIO$A_TRACE                       ********    X   01
RM$DELETE2                        ********    X   01
RM$DELETE3                        ********    X   01
RM$ERRIOP                         ********    X   01
RM$ERRORG                         ********    X   01
RM$EXRMS                          ********    X   01
RM$RSET                           ********    X   01
RMS$DELETE                      = FFFFFFFE RG     01
RMS$_NRU                        = 000187FC
TPT$_DELETE                       ********    X   01
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
RM$RMS	0000003C (60.)	01 (1.)	PIC USR CON REL GBL NOSHR EXE RD NOWRT NOVEC BYTE
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	35	00:00:00.05	00:00:00.65
Command processing	132	00:00:00.75	00:00:04.00
Pass 1	199	00:00:04.09	00:00:13.60
Symbol table sort	0	00:00:00.42	00:00:00.46
Pass 2	46	00:00:00.81	00:00:03.08
Symbol table output	5	00:00:00.05	00:00:00.15
Psect synopsis output	1	00:00:00.02	00:00:00.13
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	420	00:00:06.20	00:00:22.08

```
The working set limit was 1350 pages.
21017 bytes (42 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 406 non-local and 3 local symbols.
163 source lines were read in Pass 1, producing 13 object records in Pass 2.
17 pages of virtual memory were used to define 16 macros.
```

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

Macro library name                          Macros defined
------------------                          --------------
_$255$DUA28:[RMS.OBJ]RMS.MLB;1                           8
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                           1
_$255$DUA28:[SYSLIB]STARLET.MLB;2                        3
TOTALS (all libraries)                                  12

513 GETS were required to define 12 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:RMSODELET/OBJ=OBJ$:RMSODELET MSRC$:RMSODELET/UPDATE=(ENH$:RMSODELET)+EXECML$/LIB+LIB$:RMS/LIB
```

RMS0FSCN
LIS

RM3XALLO
LIS

RMS0CONN
LIS

RMS0ENTER
LIS

RMS0ERASE
LIS

RMS0CREAT
LIS

RMS0DELET
LIS

RMS0FIND
LIS

RM3XSUMO
LIS

RMS0DISPL
LIS

RM3XKEYO
LIS

RMS0GET
LIS

RMS0CLOSE
LIS

RMS0DISC
LIS

RMS0EXTEN
LIS

RMS0BLKIO
LIS