

RRRRRRRRRRRR		MMM		MMM	SSSSSSSSSSSS
RRRRRRRRRRRR		MMM		MMM	SSSSSSSSSSSS
RRRRRRRRRRRR		MMM		MMM	SSSSSSSSSSSS
RRR	RRR	MMMMMM	MMMMMM	SSS	
RRR	RRR	MMMMMM	MMMMMM	SSS	
RRR	RRR	MMMMMM	MMMMMM	SSS	
RRR	RRR	MMM	MMM	SSS	
RRR	RRR	MMM	MMM	SSS	
RRR	RRR	MMM	MMM	SSS	
RRRRRRRRRRRR		MMM		SSSSSSSSSS	
RRRRRRRRRRRR		MMM		SSSSSSSSSS	
RRRRRRRRRRRR		MMM		SSSSSSSSSS	
RRR	RRR	MMM			SSS
RRR	RRR	MMM			SSS
RRR	RRR	MMM			SSS
RRR	RRR	MMM			SSS
RRR	RRR	MMM			SSS
RRR	RRR	MMM			SSS
RRR	RRR	MMM			SSS
RRR	RRR	MMM		SSSSSSSSSSSS	
RRR	RRR	MMM		SSSSSSSSSSSS	
RRR	RRR	MMM		SSSSSSSSSSSS	

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```
RRRRRRRR      MM      MM      SSSSSSSS      000000      DDDDDDDD      IIIIII      SSSSSSSS      CCCCCCCC
RRRRRRRR      MM      MM      SSSSSSSS      000000      DDDDDDDD      IIIIII      SSSSSSSS      CCCCCCCC
RR      RR      MMMM      MMMM      SS      00      00      DD      DD      II      SS      CC
RR      RR      MMMM      MMMM      SS      00      00      DD      DD      II      SS      CC
RR      RR      MM      MM      SS      00      0000      DD      DD      II      SS      CC
RR      RR      MM      MM      SS      00      0000      DD      DD      II      SS      CC
RRRRRRRR      MM      MM      SSSSSS      00      00      DD      DD      II      SSSSSS      CC
RRRRRRRR      MM      MM      SSSSSS      00      00      DD      DD      II      SSSSSS      CC
RR      RR      MM      MM      SS      0000      00      DD      DD      II      SS      CC
RR      RR      MM      MM      SS      0000      00      DD      DD      II      SS      CC
RR      RR      MM      MM      SS      00      00      DD      DD      II      SS      CC
RR      RR      MM      MM      SSSSSSSS      000000      DDDDDDDD      IIIIII      SSSSSSSS      CCCCCCCC
RR      RR      MM      MM      SSSSSSSS      000000      DDDDDDDD      IIIIII      SSSSSSSS      CCCCCCCC

LL      IIIIII      SSSSSSSS
LL      IIIIII      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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
```

(2) 60
(3) 83

DECLARATIONS
RMS\$DISCONNECT - COMMON \$DISCONNECT SETUP AND DISPATCH ROUTINE


```
0000 1          $BEGIN RMSODISC,000,RMSRMS,<DISPATCH FOR DISCONNECT OPERATION>
0000 2
0000 3
0000 4 :*****
0000 5 :*
0000 6 :*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 7 :*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 8 :*  ALL RIGHTS RESERVED.
0000 9 :*
0000 10 :*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 11 :*  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
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0000 13 :*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 14 :*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 15 :*  TRANSFERRED.
0000 16 :*
0000 17 :*  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 18 :*  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 19 :*  CORPORATION.
0000 20 :*
0000 21 :*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22 :*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23 :*
0000 24 :*
0000 25 :*****
0000 26
0000 27 :++
0000 28 : FACILITY: RMS32
0000 29
0000 30 : ABSTRACT:
0000 31 :
0000 32 : This routine is the highest level control
0000 33 : routine to perform the $DISCONNECT function.
0000 34 :
0000 35 : ENVIRONMENT:
0000 36 : STAR processor running STARLET EXEC.
0000 37 :
0000 38 : AUTHOR: L F Laverdure,          CREATION DATE: 1-Apr-1977
0000 39 :
0000 40 : MODIFIED BY:
0000 41 :
0000 42 : V03-001 KBT0177          Keith B. Thompson          23-Aug-1982
0000 43 : Reorganize psects and rename entry point so singel '$'
0000 44 :
0000 45 : V02-010 MCN0001          Maria del C. Nasr          29-Jul-1981
0000 46 : Rename entry point to RMS$$ to support long branches.
0000 47 :
0000 48 : V02-009 CDS0001          C D Saether                26-Feb-1981
0000 49 : Use RMSEX_NIRAB_SHR exit.
0000 50 :
0000 51 : V02-008 REFORMAT          Frederick E. Deen, Jr.      28-Jul-1980
0000 52 : This code was reformatted to adhere to RMS standards
0000 53 :
0000 54 : V007 RAN0003 R A NEWELL    9-Nov-1978
0000 55 : File sharing code enhancements
0000 56 :
0000 57 :--
```

RMSODISC
V04-000

DISPATCH FOR DISCONNECT OPERATION^{C 10}

16-SEP-1984 01:14:45 VAX/VMS Macro V04-00
5-SEP-1984 16:24:47 [RMS.SRC]RMSODISC.MAR;1

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(1)

0000 58


```
0000 60          .SBTTL  DECLARATIONS
0000 61
0000 62 :
0000 63 : INCLUDE FILES:
0000 64 :
0000 65 :
0000 66 :
0000 67 : MACROS:
0000 68 :
0000 69
0000 70          $IFBDEF
0000 71          $IRBDEF
0000 72          $DPSECT
0000 73
0000 74 :
0000 75 : EQUATED SYMBOLS:
0000 76 :
0000 77 :
0000 78 :
0000 79 : OWN STORAGE:
0000 80 :
0000 81
```

```
0000 83      .SBTTL RMS$DISCONNECT - COMMON $DISCONNECT SETUP AND DISPATCH ROUTINE
0000 84
0000 85      :++
0000 86      : RMS$DISCONNECT - Common $DISCONNECT setup and dispatch
0000 87      :
0000 88      : This routine performs common RAB function setup followed
0000 89      : by dispatch to organization-dependent $DISCONNECT code.
0000 90
0000 91      : CALLING SEQUENCE:
0000 92      :
0000 93      :     Entered from EXEC as a result of user's calling SYS$DISCONNECT
0000 94      :     (e.g., by using the $DISCONNECT macro)
0000 95
0000 96      : INPUT PARAMETERS:
0000 97      :
0000 98      :     AP      User's argument list addr
0000 99
0000 100     : IMPLICIT INPUTS:
0000 101     :
0000 102     :     The contents of the RAB and RELATED IRAB and IFAB.
0000 103
0000 104     : OUTPUT PARAMETERS:
0000 105     :
0000 106     :     R1      Destroyed
0000 107     :     R0      STATUS code
0000 108
0000 109     : IMPLICIT OUTPUTS:
0000 110     :
0000 111     :     All BDB'S and buffers for this stream are released, and the
0000 112     :     IRAB and ASB (if any) are deallocated.
0000 113     :     RAB$L_STS and RAB$L_STV reflect the status of the disconnect.
0000 114     :     if successful, RAB$Q_ISI is zeroed.
0000 115
0000 116     :     A completion AST is queued if specified in the user arglist.
0000 117
0000 118     : COMPLETION CODES:
0000 119     :
0000 120     :     Standard RMS (see functional spec for list).
0000 121
0000 122     : SIDE EFFECTS:
0000 123     :
0000 124     :     None
0000 125
0000 126     :--
0000 127
```



```
0000 129 $ENTRY RMS$DISCONNECT
0000 130 $TSTPT DISCONO
0006 131 $RABSET
000A 132
000A 133
000A 134 CSB #IRB$V_ASYNC,(R9)
000E 135
000E 136
000E 137
000E 138
000E 139 :: Dispatch to org-dependent code
000E 140 ::
000E 141
0000'CF 9F 000E 142 PUSHAB W^RM$EX_NIRAB_SHR
05 69 22 E1 0012 143
6E 0000'CF 9E 0012 144 BBC #IRB$V_PPF_IMAGE,(R9),10$
0016 145 MOVAB W^RM$EXRMS,(SP)
001B 146 10$: CASE TYPE=B,SRC=IFB$B_ORGCASE(R10),-
001B 147 DISPLIST=<RMS$DISCONNECT1,-
001B 148 RMS$DISCOMMONSUC,RMS$DISCONNECT3>
FFD7' 31 0026 149 BRW RMS$DISCOMMONSUC
0029 150
0029 151 .END
```

; do common setup with no
; specific checks - returns
; to user on error
; force synchronous operation
; in order to avoid problem
; with ASYNC arglist in
; deallocated asb!

; return PC to STACK
; (i.e., to fake a BSBW)
; branch if not INDIRECT PPF
; take structured exit
; and dispatch

; DISCONNECT for unknown org

RMSODISC
Symbol table

DISPATCH FOR DISCONNECT OPERATION G 10

16-SEP-1984 01:14:45 VAX/VMS Macro V04-00
5-SEP-1984 16:24:47 [RMS.SRC]RMSODISC.MAR;1

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```
$$PSECT_EP      = 00000000
$$RMSTEST       = 0000001A
$$RMS_PBUGCHK   = 00000010
$$RMS_TBUGCHK   = 00000008
$$RMS_UMODE     = 00000004
IFB$B_ORGCASE   = 00000023
IRB$V_ASYNC     = 00000023
IRB$V_PPF_IMAGE = 00000022
PIO$A_TRACE     *****
RMSDISCOMMONSUC *****
RMSDISCONNECT1 *****
RMSDISCONNECT3 *****
RMSEX RMS       *****
RMSEX NIRAB_SHR *****
RMSRSET         *****
RMSDISCONNECT   = FFFFFFFE RG
TPT$SL_DISCONO *****
```

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

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
RMSRMS	00000029 (41.)	01 (1.)	PIC USR CON REL GBL NOSHR EXE RD NOWRT 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	33	00:00:00.08	00:00:00.75
Command processing	132	00:00:00.74	00:00:04.86
Pass 1	196	00:00:03.84	00:00:11.80
Symbol table sort	0	00:00:00.50	00:00:00.84
Pass 2	42	00:00:00.80	00:00:02.28
Symbol table output	4	00:00:00.04	00:00:00.13
Psect synopsis output	1	00:00:00.01	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	410	00:00:06.02	00:00:20.70

The working set limit was 1200 pages.
18956 bytes (38 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 371 non-local and 4 local symbols.
151 source lines were read in Pass 1, producing 13 object records in Pass 2.
16 pages of virtual memory were used to define 15 macros.

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

Macro library name	Macros defined
-----	-----
_\$255\$DUA28:[RMS.OBJ]RMS.MLB;1	7
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	11

467 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

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

0329 AH-BT13A-SE
VAX/VMS V4.0

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