


```

RRRRRRRR  MM      MM      333333  CCCCCCCC  LL      000000  SSSSSSSS  FEEEEEEEE
RRRRRRRR  MM      MM      333333  CCCCCCCC  LL      000000  SSSSSSSS  FEEEEEEEE
RR      RR  MMMM  MMMM  33      33  CC      LL      00      00  SS      EE
RR      RR  MMMM  MMMM  33      33  CC      LL      00      00  SS      EE
RR      RR  MM  MM  MM      33      33  CC      LL      00      00  SS      EE
RR      RR  MM  MM  MM      33      33  CC      LL      00      00  SS      EE
RRRRRRRR  MM      MM      33      33  CC      LL      00      00  SSSSSS  FEEEEEEEE
RRRRRRRR  MM      MM      33      33  CC      LL      00      00  SSSSSS  FEEEEEEEE
RR  RR      MM      MM      33      33  CC      LL      00      00  SS      EE
RR  RR      MM      MM      33      33  CC      LL      00      00  SS      EE
RR  RR      MM      MM      33      33  CC      LL      00      00  SS      EE
RR  RR      MM      MM      33      33  CC      LL      00      00  SS      EE
RR      RR  MM      MM      333333  CCCCCCCC  LLLLLLLLLL  000000  SSSSSSSS  FEEEEEEEE
RR      RR  MM      MM      333333  CCCCCCCC  LLLLLLLLLL  000000  SSSSSSSS  FEEEEEEEE

```

```

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

```

```
1 0001 0
2 0002 0 MODULE RM3CLOSE (LANGUAGE (BLISS32) ,
3 0003 0 IDENT = 'V04-000'
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1 ++
31 0031 1
32 0032 1 FACILITY: RMS32 INDEX SEQUENTIAL FILE ORGANIZATION
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1 INDEXED SPECIFIC CODE FOR $CLOSE
36 0036 1
37 0037 1
38 0038 1 ENVIRONMENT:
39 0039 1
40 0040 1 VAX/VMS OPERATING SYSTEM
41 0041 1
42 0042 1 --
43 0043 1
44 0044 1
45 0045 1 AUTHOR: Wendy Koenig CREATION DATE: 11-APR-78 13:39
46 0046 1
47 0047 1
48 0048 1 MODIFIED BY:
49 0049 1
50 0050 1 V03-004 MCN0003 Maria del C. Nasr 15-Mar-1983
51 0051 1 More linkages reorganization
52 0052 1
53 0053 1 V03-003 MCN0002 Maria del C. Nasr 24-feb-1983
54 0054 1 Reorganize linkages.
55 0055 1
56 0056 1 V03-002 MCN0001 Maria del C. Nasr 08-Nov-1982
57 0057 1 Return any index descriptors if file opened for block
```

```

58 0058 1 I/O since now the prologue and all descriptors are
59 0059 1 processed during create with BIO set.
60 0060 1
61 0061 1 V03-001 KBT0157 Keith B. Thompson 21-Aug-1982
62 0062 1 Reorganize psects
63 0063 1
64 0064 1 V02-005 CDS0002 C D Saether 06-Aug-1981
65 0065 1 Change linkage to only use ifab and impure area.
66 0066 1
67 0067 1 V02-004 CDS0001 C D Saether 16-Jul-1981
68 0068 1 Do not deallocate nrp on indirect close.
69 0069 1
70 0070 1 V02-099 REFORMAT Ken Henderson 29-Jul-1980
71 0071 1 The code was reformatted.
72 0072 1
73 0073 1 REVISION HISTORY:
74 0074 1
75 0075 1 Wendy Koenig, 24-OCT-78 14:01
76 0076 1 X0002 - make changes caused by sharing conventions
77 0077 1
78 0078 1 *****
79 0079 1
80 0080 1 LIBRARY 'RMSLIB:RMS';
81 0081 1
82 0082 1 REQUIRE 'RMSSRC:RMSIDXDEF';
83 0147 1
84 0148 1
85 0149 1 define default psects for code
86 0150 1
87 0151 1
88 0152 1 PSECT
89 0153 1 CODE = RMSRMS3(PSECT_ATTR);
90 0154 1 PLIT = RMSRMS3(PSECT_ATTR);
91 0155 1
92 0156 1
93 0157 1 Linkages
94 0158 1
95 0159 1
96 0160 1 LINKAGE
97 0161 1 L_LINK 7_10_11,
98 0162 1 L_RETSPC;
99 0163 1
100 0164 1
101 0165 1 External Routines
102 0166 1
103 0167 1
104 0168 1 EXTERNAL ROUTINE
105 0169 1 RMSRETBK : RL$RETSPEC;
106 0170 1

```

```

108 0171 1 GLOBAL ROUTINE RM3CLOSE3 : RL$LINK_7_10_11 =
109 0172 1
110 0173 1 :++
111 0174 1
112 0175 1 : FUNCTIONAL DESCRIPTION:
113 0176 1
114 0177 1 :     If this is the last accessor of the file, deallocate all of the index
115 0178 1 :     descriptors ( off the IFAB) and zero the pointer.
116 0179 1
117 0180 1 : CALLING SEQUENCE:
118 0181 1 :     BSBW    RM3CLOSE3
119 0182 1 :     entered via branch frcm RM3$CLOSE and will RSB back to CLSDLT
120 0183 1
121 0184 1 : INPUT PARAMETERS:
122 0185 1 :     NONE
123 0186 1
124 0187 1 : IMPLICIT INPUTS:
125 0188 1 :     R10 -- IFAB address
126 0189 1 :     R11 -- IMPURE AREA address
127 0190 1
128 0191 1 : OUTPUT PARAMETERS:
129 0192 1 :     NONE
130 0193 1
131 0194 1 : IMPLICIT OUTPUTS:
132 0195 1 :     NONE
133 0196 1
134 0197 1 : ROUTINE VALUE:
135 0198 1 :     usual RMS status codes, especially SUC
136 0199 1
137 0200 1 : SIDE EFFECTS:
138 0201 1 :     if they existed, the index descriptors will be deallocated
139 0202 1
140 0203 1 : --
141 0204 1
142 0205 1 : ***** right now there is no way of telling if this is the last user
143 0206 1 : ***** has to be taken care of when files are done     if this is the
144 0207 1 : last accessor of the file, deallocate all of the index   descriptors ( off
145 0208 1 : the IFAB) and zero the pointer. *****
146 0209 1
147 0210 2 BEGIN
148 0211 2
149 0212 2 EXTERNAL REGISTER
150 0213 2 R_IFAB_STR,
151 0214 2 R_IMPURE;
152 0215 2
153 0216 2 LOCAL
154 0217 2 PTR : REF BBLOCK,
155 0218 2 NEXT;
156 0219 2
157 0220 2 : Return on indirect close.
158 0221 2 :
159 0222 2
160 0223 2 IF .IFAB[IFB$V_PPF_IMAGE]
161 0224 2 THEN
162 0225 2 RETURN RMSSUC();
163 0226 2
164 0227 2 PTR = .IFAB[IFB$L_IDX_PTR];

```


Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
:_\$255\$DUA28:[RMS.OBJ]RMS.L32;1	3109	12	0	154	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:RM3CLOSE/OBJ=OBJ\$:RM3CLOSE MSRC\$:RM3CLOSE/UPDATE=(ENH\$:RM3CLOSE)

: Size: 44 code + 0 data bytes
: Run Time: 00:02.8
: Elapsed Time: 00:12.2
: Lines/CPU Min: 5228
: Lexemes/CPU-Min: 10264
: Memory Used: 32 pages
: Compilation Complete

RM2CREATE LIS	RM2GET LIS	RM2PUT LIS	RM2EXTEND LIS	RM2MTBKT LIS	RM2OPEN LIS	RM2UPDEL LIS	RM3ALLBKT LIS	RM3BKTIO LIS	RM3BKT SPL LIS	RM3CLOSE LIS	RM3CMPKEY LIS	RM3CMPRSS LIS	RM3BUG LIS
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