


```
BBBBBBBB      AAAAAA      SSSSSSSS      DDDDDDDD      EEEEEEEEEE      LL      EEEEEEEEEE      TTTTTTTTTT      EEEEEEEEEE
BBBBBBBB      AAAAAA      SSSSSSSS      DDDDDDDD      EEEEEEEEEE      LL      EEEEEEEEEE      TTTTTTTTTT      EEEEEEEEEE
BB      BB      AA      AA      SS      DD      DD      EE      LL      EE      TT      EE
BB      BB      AA      AA      SS      DD      DD      EE      LL      EE      TT      EE
BB      BB      AA      AA      SS      DD      DD      EE      LL      EE      TT      EE
BB      BB      AA      AA      SS      DD      DD      EE      LL      EE      TT      EE
BBBBBBBB      AA      AA      SSSSSS      DD      DD      EEEEEEEE      LL      EEEEEEEE      TT      EEEEEEEE
BBBBBBBB      AA      AA      SSSSSS      DD      DD      EEEEEEEE      LL      EEEEEEEE      TT      EEEEEEEE
BB      BB      AAAAAAAAAA      SS      DD      DD      EE      LL      EE      TT      EE
BB      BB      AAAAAAAAAA      SS      DD      DD      EE      LL      EE      TT      EE
BB      BB      AA      AA      SS      DD      DD      EE      LL      EE      TT      EE
BB      BB      AA      AA      SS      DD      DD      EE      LL      EE      TT      EE
BBBBBBBB      AA      AA      SSSSSSSS      DDDDDDDD      EEEEEEEEEE      LLLLLLLLLL      EEEEEEEEEE      TT      EEEEEEEEEE
BBBBBBBB      AA      AA      SSSSSSSS      DDDDDDDD      EEEEEEEEEE      LLLLLLLLLL      EEEEEEEEEE      TT      EEEEEEEEEE
```

```
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 MODULE BAS$DELETE ( ! Basic DELETE construct
2 0002 0 IDENT = '1-004' ! File: BASDELETE.B32 Edit: JBS1004
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY:
32 0032 1 Basic support library - user callable
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 This module is the UPI level of the Basic DELETE construct. Initially,
37 0037 1 it contains only the code for sequential I/O. This module will set
38 0038 1 up the I/O data base for the LUN and go directly to the REC level.
39 0039 1
40 0040 1
41 0041 1 ENVIRONMENT:
42 0042 1 User access mode - AST reentrant.
43 0043 1
44 0044 1 AUTHOR: Donald G. Petersen, CREATION DATE: 27-Feb-79
45 0045 1
46 0046 1 MODIFIED BY:
47 0047 1
48 0048 1 DGP, 27-Feb-79 : VERSION 01
49 0049 1 1-001 - original. DGP 27-Feb-79
50 0050 1 1-002 - Set up ISB$A_USER_FP. JBS 25-JUL-1979
51 0051 1 1-003 - Check for virtual_array use of this file. DGP 16-Oct-79
52 0052 1 1-004 - Give error ILLEGAL OPERATION if file is read only. JBS 27-DEC-1979
53 0053 1 --
54 0054 1
55 0055 1 !<BLF/PAGE>
    
```

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: 57      0056 1 |
: 58      0057 1 | SWITCHES:
: 59      0058 1 |
: 60      0059 1 |
: 61      0060 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
: 62      0061 1 |
: 63      0062 1 |
: 64      0063 1 | LINKAGES
: 65      0064 1 |
: 66      0065 1 |
: 67      0066 1 | REQUIRE 'RTLIN:OTSLNK';           ! Define all linkages
: 68      0495 1 |
: 69      0496 1 |
: 70      0497 1 | TABLE OF CONTENTS:
: 71      0498 1 |
: 72      0499 1 |
: 73      0500 1 | FORWARD ROUTINE
: 74      0501 1 |     BASSDELETE : NOVALUE;       ! UPI level Sequential DELETE
: 75      0502 1 |
: 76      0503 1 |
: 77      0504 1 | INCLUDE FILES:
: 78      0505 1 |
: 79      0506 1 |
: 80      0507 1 | REQUIRE 'RTLML:OTSISB';         ! ISB definitions
: 81      0675 1 |
: 82      0676 1 | REQUIRE 'RTLML:OTSLUB';        ! LUB definitions
: 83      0816 1 |
: 84      0817 1 | REQUIRE 'RTLIN:RTLPSECT';      ! Define DECLARE_PSECTS macro
: 85      0912 1 |
: 86      0913 1 | LIBRARY 'RTLSTARLE';          ! Starlet system macros
: 87      0914 1 |
: 88      0915 1 |
: 89      0916 1 | MACROS:
: 90      0917 1 |
: 91      0918 1 |     NONE
: 92      0919 1 |
: 93      0920 1 | EQUATED SYMBOLS:
: 94      0921 1 |
: 95      0922 1 |     NONE
: 96      0923 1 |
: 97      0924 1 |
: 98      0925 1 | PSECT DECLARATIONS:
: 99      0926 1 |
: 100     0927 1 | DECLARE_PSECTS (BAS);
: 101     0928 1 |
: 102     0929 1 | OWN STORAGE:
: 103     0930 1 |
: 104     0931 1 |     NONE
: 105     0932 1 |
: 106     0933 1 | EXTERNAL REFERENCES:
: 107     0934 1 |
: 108     0935 1 |
: 109     0936 1 | EXTERNAL ROUTINE
: 110     0937 1 |     BASS$STOP_IO : NOVALUE,     ! Signal fatal BASIC I/O error
: 111     0938 1 |     BASS$REC_DSE : JSB_REC0 NOVALUE, ! REC level processing - RMS interface
: 112     0939 1 |     ! DELETE sequential
: 113     0940 1 |     BASS$CB_PUSH : JSB_CB_PUSH NOVALUE, ! Load register CCB

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: 114      0941 1      BAS$$CB_POP : JSB_CB_POP NOVALUE;          ! Done with register CCB
: 115      0942 1
: 116      0943 1 !+
: 117      0944 1 !- The following are the error codes used in this module.
: 118      0945 1 !-
: 119      0946 1
: 120      0947 1 EXTERNAL LITERAL
: 121      0948 1      BAS$K_ILLOPE : UNSIGNED (8),          ! Illegal operation
: 122      0949 1      BAS$K_ILLILLACC : UNSIGNED (8),       ! Illegal or illogical access
: 123      0950 1      BAS$K_IO_CHANOT : UNSIGNED (8);       ! I/O channel not open
: 124      0951 1
```

```

: 126 0952 1 GLOBAL ROUTINE BAS$DELETE (           ! DELETE sequential
: 127 0953 1   UNIT                               ! logical unit number
: 128 0954 1   ) : NOVALUE =
: 129 0955 1
: 130 0956 1 !++
: 131 0957 1 ! FUNCTIONAL DESCRIPTION:
: 132 0958 1
: 133 0959 1   This routine will set up the I/O data base for this LUN if necessary
: 134 0960 1   and then go directly to the REC level.  When control is returned to
: 135 0961 1   this routine, it pops the CCB off of the I/O system.  The actual inter-
: 136 0962 1   face to RMS is done at the REC level.  The current record is deleted.
: 137 0963 1
: 138 0964 1 ! FORMAL PARAMETERS:
: 139 0965 1
: 140 0966 1   UNIT.rlu.v           logical unit number
: 141 0967 1
: 142 0968 1 ! IMPLICIT INPUTS:
: 143 0969 1
: 144 0970 1   LUB$V_VA_USE           virtual array use of this file
: 145 0971 1   LUB$V_READ_ONLY        file is read only
: 146 0972 1
: 147 0973 1 ! IMPLICIT OUTPUTS:
: 148 0974 1
: 149 0975 1   ISB$B_STTM_TYPE        the statement type
: 150 0976 1   LUB$V_BLK_USE          non-virtual array use of this file
: 151 0977 1
: 152 0978 1 ! COMPLETION CODES:
: 153 0979 1
: 154 0980 1   NONE
: 155 0981 1
: 156 0982 1 ! SIDE EFFECTS:
: 157 0983 1
: 158 0984 1   NONE
: 159 0985 1
: 160 0986 1 !--
: 161 0987 1
: 162 0988 2   BEGIN
: 163 0989 2
: 164 0990 2   BUILTIN
: 165 0991 2   FP;
: 166 0992 2
: 167 0993 2   GLOBAL REGISTER
: 168 0994 2   CCB = K_CCB_REG : REF BLOCK [, BYTE];
: 169 0995 2
: 170 0996 2   LOCAL
: 171 0997 2   FMP : REF BLOCK [, BYTE];
: 172 0998 2
: 173 0999 2   FMP = .FP;
: 174 1000 2 !+
: 175 1001 2 ! Allocate the LUB/ISB/RAB for this unit if necessary.  Store new CB (con-
: 176 1002 2 ! trol block) in OT$$$A_CUR_LUB.  Store signed unit number in LUB$W_LUN.
: 177 1003 2 !-
: 178 1004 2   BAS$$CB PUSH (.UNIT, LUB$K_ILUN MIN);
: 179 1005 2   CCB [ISB$A_USER_FP] = .FMP-[SF$[_SAVE_FP];
: 180 1006 2 !+
: 181 1007 2 ! Give an error if the channel is not open.  Channel 0 cannot do a DELETE.
: 182 1008 2 !-

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```

: 183      1009      2
: 184      1010      2      IF ( NOT .CCB [LUB$V_OPENED]) THEN BAS$$STOP_IO (BAS$K_IO_CHANOT);
: 185      1011      2
: 186      1012      2
: 187      1013      2      + Now that the data base is in place, store the statement type and go
: 188      1014      2      directly to the REC level.
: 189      1015      2
: 190      1016      2      CCB [ISB$B_STTM_TYPE] = ISB$K_ST_TY_DEL;
: 191      1017      2      +
: 192      1018      2      Check for virtual array usage and set block usage
: 193      1019      2
: 194      1020      2
: 195      1021      2      IF .CCB [LUB$V_VA_USE] THEN BAS$$STOP_IO (BAS$K_ILLILLACC);
: 196      1022      2
: 197      1023      2      IF .CCB [LUB$V_READ_ONLY] THEN BAS$$STOP_IO (BAS$K_ILLOPE);
: 198      1024      2
: 199      1025      2      CCB [LUB$V_BLK_USE] = 1;
: 200      1026      2      BAS$$REC_DSE ();
: 201      1027      2      +
: 202      1028      2      Now that the DELETE has been done, pop the CCB off the I/O system.
: 203      1029      2
: 204      1030      2      BAS$$CB_POP ();
: 205      1031      2      END;

```

!End of BAS\$DELETE

```

.TITLE BAS$DELETE
.IDENT \1-004\

.EXTRN BAS$$STOP_IO, BAS$$REC_DSE
.EXTRN BAS$$CB_PUSH, BAS$$CB_POP
.EXTRN BAS$K_ILLOPE, BAS$K_ILLILLACC
.EXTRN BAS$K_IO_CHANOT

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```

.PSECT _BAS$CODE, NOWRT, SHR, PIC, 2

```

			083C 00000	.ENTRY	BAS\$DELETE, Save R2,R3,R4,R5,R11	: 0952
	54	00000000G	00 9E 00002	MOVAB	BAS\$\$STOP_IO, R4	
	53		5D D0 00009	MOVL	FP, FMP	: 0999
	50		08 CE 0000C	MNEGL	#8, R0	: 1004
	52	04	AC D0 0000F	MOVL	UNIT, R2	
		00000000G	00 16 00013	JSB	BAS\$\$CB_PUSH	
FF4C	CB	OC	A3 D0 00019	MOVL	12(FMP), -180(CCB)	: 1005
	07	FC	AB E8 0001F	BLBS	-4(CCB), 1\$: 1010
	7E	00G	8F 9A 00023	MOVZBL	#BAS\$K_IO_CHANOT, -(SP)	
	64		01 FB 00027	CALLS	#1, BAS\$\$STOP_IO	
FF71	CB		21 90 0002A 1\$:	MOVB	#33, -143(CCB)	: 1016
	07	FF	AB E9 0002F	BLBC	-1(CCB), 2\$: 1021
	7E	00G	8F 9A 00033	MOVZBL	#BAS\$K_ILLILLACC, -(SP)	
	64		01 FB 00037	CALLS	#1, BAS\$\$STOP_IO	
07	FC		02 E1 0003A 2\$:	BBC	#2, -4(CCB), 3\$: 1023
	7E	00G	8F 9A 0003F	MOVZBL	#BAS\$K_ILLOPE, -(SP)	
	64		01 FB 00043	CALLS	#1, BAS\$\$STOP_IO	
FF	AB		02 88 00046 3\$:	BISB2	#2, -1(CCB)	: 1025
		00000000G	00 16 0004A	JSB	BAS\$\$REC_DSE	: 1026
		00000000G	00 16 00050	JSB	BAS\$\$CB_POP	: 1030
			04 00056	RET		: 1031

BAS\$DELETE
1-004

N 13
16-Sep-1984 00:19:00
14-Sep-1984 11:54:50

VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASDELETE.B32;1

Page 6
(3)

: Routine Size: 87 bytes, Routine Base: _BAS\$CODE + 0000

: 206 1032 1
: 207 1033 1 END
: 208 1034 1
: 209 1035 0 ELUDOM

!End of module - BAS\$DELETE

PSECT SUMMARY

Name	Bytes	Attributes
_BAS\$CODE	87	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:01.1

COMMAND QUALIFIERS

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

: Size: 87 code + 0 data bytes
: Run Time: 00:08.5
: Elapsed Time: 00:19.5
: Lines/CPU Min: 7305
: Lexemes/CPU-Min: 44018
: Memory Used: 115 pages
: Compilation Complete

