


```

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>
    
```

```

: 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 |     BAS$DELETE : 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 |     BAS$$STOP_IO : NOVALUE,       ! Signal fatal BASIC I/O error
: 111     0938 1 |     BAS$$REC_DSE : JSB_REC0 NOVALUE, ! REC level processing - RMS interface
: 112     0939 1 |     ! DELETE sequential
: 113     0940 1 |     BAS$$CB_PUSH : JSB_CB_PUSH NOVALUE, ! Load register CCB

```

```
: 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
```

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: 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 --

```

```

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 (J);
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 1 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

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

.ENTRY BAS$DELETE, Save R2, R3, R4, R5, R11
MOVAB BAS$$STOP_IO, R4
MOVL FP, FMP
MNEGL #8, R0
MOVL UNIT, R2
JSB BAS$$CB_PUSH
MOVL 12(FMP), -180(CCB)
BLBS -4(CCB), 1$
MOVZBL #BAS$K_IO_CHANOT, -(SP)
CALLS #1, BAS$$STOP_IO
MOVAB #33, -143(CCB)
BLBC -1(CCB), 2$
MOVZBL #BAS$K_ILLILLACC, -(SP)
CALLS #1, BAS$$STOP_IO
BBC #2, -4(CCB), 3$
MOVZBL #BAS$K_ILLOPE, -(SP)
CALLS #1, BAS$$STOP_IO
BISB2 #2, -1(CCB)
JSB BAS$$REC_DSE
JSB BAS$$CB_POP
RET

```

			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\$:		MOVAB #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

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(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  Percent  Pages  Processing
:               -----  Loaded  -----  Mapped  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
```


