


```

BBBBBBBBB      AAAAAA      SSSSSSSS      NN      NN      AAAAAA      MM      MM      EEEEEEEEEEE      AAAAAA      SSSSSSSS
BBBBBBBBB      AAAAAA      SSSSSSSS      NN      NN      AAAAAA      MM      MM      EEEEEEEEEEE      AAAAAA      SSSSSSSS
BB      BB      AA      AA      SS      NN      NN      AA      AA      MMMM      MMMM      EE      AA      AA      SS
BB      BB      AA      AA      SS      NN      NN      AA      AA      MMMM      MMMM      EE      AA      AA      SS
BB      BB      AA      AA      SS      NNNN      NN      AA      AA      MM      MM      EE      AA      AA      SS
BB      BB      AA      AA      SS      NNNN      NN      AA      AA      MM      MM      EE      AA      AA      SS
BBBBBBBBB      AA      AA      SSSSSS      NN      NN      AA      AA      MM      MM      EEEEEEEEE      AA      AA      SSSSSS
BBBBBBBBB      AA      AA      SSSSSS      NN      NN      AA      AA      MM      MM      EEEEEEEEE      AA      AA      SSSSSS
BB      BB      AAAAAAAAAA      SS      NN      NNNN      AAAAAAAAAA      MM      MM      EE      AAAAAAAAAA      SS
BB      BB      AAAAAAAAAA      SS      NN      NNNN      AAAAAAAAAA      MM      MM      EE      AAAAAAAAAA      SS
BB      BB      AA      AA      SS      NN      NN      AA      AA      MM      MM      EE      AA      AA      SS
BB      BB      AA      AA      SSSSSSSS      NN      NN      AA      AA      MM      MM      EE      AA      AA      SSSSSSSS
BBBBBBBBB      AA      AA      SSSSSSSS      NN      NN      AA      AA      MM      MM      EEEEEEEEEEE      AA      AA      SSSSSSSS
BBBBBBBBB      AA      AA      SSSSSSSS      NN      NN      AA      AA      MM      MM      EEEEEEEEEEE      AA      AA      SSSSSSSS

```

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....
....
....
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```

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$NAME_AS (                               ! Change a file's name
2 0002 0 IDENT = '1-002'                                     ! File: BASNAMEAS.B32
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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24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: BASIC-PLUS-2 Miscellaneous
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module implements the BASIC NAME ... AS statement,
36 0036 1 which renames a file.
37 0037 1
38 0038 1 ENVIRONMENT: VAX-11 User Mode
39 0039 1
40 0040 1 AUTHOR: John Sauter, CREATION DATE: 28-FEB-1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. JBS 28-FEB-1979
45 0045 1 1-002 - Use BAS$$STOP_RMS for errors. JBS 22-AUG-1979
46 0046 1 --
47 0047 1
48 0048 1 !<BLF/PAGE>

```

```
50 0049 1 |  
51 0050 1 | SWITCHES:  
52 0051 1 |  
53 0052 1 |  
54 0053 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);  
55 0054 1 |  
56 0055 1 |  
57 0056 1 | LINKAGES:  
58 0057 1 |  
59 0058 1 | NONE  
60 0059 1 |  
61 0060 1 | TABLE OF CONTENTS:  
62 0061 1 |  
63 0062 1 |  
64 0063 1 | FORWARD ROUTINE  
65 0064 1 | BAS$NAME_AS : NOVALUE; ! Change a file's name  
66 0065 1 |  
67 0066 1 |  
68 0067 1 | INCLUDE FILES:  
69 0068 1 |  
70 0069 1 |  
71 0070 1 | REQUIRE 'RTLIN:RTLPSECT'; ! Macros for defining psects  
72 0165 1 |  
73 0166 1 | LIBRARY 'RTLSTARLE'; ! System definitions  
74 0167 1 |  
75 0168 1 |  
76 0169 1 | MACROS:  
77 0170 1 |  
78 0171 1 | NONE  
79 0172 1 |  
80 0173 1 | EQUATED SYMBOLS:  
81 0174 1 |  
82 0175 1 | NONE  
83 0176 1 |  
84 0177 1 | PSECTS:  
85 0178 1 |  
86 0179 1 | DECLARE_PSECTS (BAS); ! Declare psects for BAS$ facility  
87 0180 1 |  
88 0181 1 | OWN STORAGE:  
89 0182 1 |  
90 0183 1 | NONE  
91 0184 1 |  
92 0185 1 | EXTERNAL REFERENCES:  
93 0186 1 |  
94 0187 1 |  
95 0188 1 | EXTERNAL ROUTINE  
96 0189 1 | BAS$$STOP_RMS : NOVALUE; ! Signals BASIC RMS error  
97 0190 1 |
```

```

99      0191 1 GLOBAL ROUTINE BASSNAME_AS (
100     0192 1     OLD_FILE,
101     0193 1     NEW_FILE,
102     0194 1     ) : NOVALUE =
103     0195 1
104     0196 1 ++
105     0197 1 FUNCTIONAL DESCRIPTION:
106     0198 1
107     0199 1     Changes a file's name. This is done by using the $RENAME
108     0200 1     RMS macro.
109     0201 1
110     0202 1 FORMAL PARAMETERS:
111     0203 1
112     0204 1     OLD_FILE.rt.dx The old name of the file.
113     0205 1     NEW_FILE.rt.dx The new name of the file.
114     0206 1
115     0207 1 IMPLICIT INPUTS:
116     0208 1
117     0209 1     NONE
118     0210 1
119     0211 1 IMPLICIT OUTPUTS:
120     0212 1
121     0213 1     NONE
122     0214 1
123     0215 1 ROUTINE VALUE:
124     0216 1 COMPLETION CODES:
125     0217 1
126     0218 1     NONE
127     0219 1
128     0220 1 SIDE EFFECTS:
129     0221 1
130     0222 1     Changes the directory entry for the file, but does not alter the
131     0223 1     file name stored in the file header block.
132     0224 1
133     0225 1 --
134     0226 1
135     0227 2 BEGIN
136     0228 2
137     0229 2 MAP
138     0230 2     OLD_FILE : REF BLOCK [8, BYTE],
139     0231 2     NEW_FILE : REF BLOCK [8, BYTE];
140     0232 2
141     0233 2 LOCAL
142     0234 2     OLD_FAB : $FAB_DECL,
143     0235 2     NEW_FAB : $FAB_DECL,
144     0236 2     OLD_NAM : $NAM_DECL,
145     0237 2     NEW_NAM : $NAM_DECL,
146     0238 2     RENAME_RESULT;
147     0239 2
148     P 0240 2     $FAB_INIT (FAB = OLD_FAB,
149     P 0241 2     FNA = .OLD_FILE [DSC$A_POINTER],
150     P 0242 2     FNS = .OLD_FILE [DSC$W_LENGTH],
151     P 0243 2     NAM = OLD_NAM);
152     P 0244 2     $FAB_INIT (FAB = NEW_FAB,
153     P 0245 2     FNA = .NEW_FILE [DSC$A_POINTER],
154     P 0246 2     FNS = .NEW_FILE [DSC$W_LENGTH],
155     P 0247 2     NAM = NEW_NAM);

```

```

! Change a file name
! Old name of file
! New name of file

```

BAS\$NAME_AS
1-002

N 12
16-Sep-1984 00:50:11
14-Sep-1984 11:55:22

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

Page 4
(3)

```

: 156      0248  2  $NAM_INIT (NAM = OLD_NAM);
: 157      0249  2  $NAM_INIT (NAM = NEW_NAM);
: 158      0250  2  RENAME_RESULT = $RENAME (OLDFAB = OLD_FAB, NEWFAB = NEW_FAB);
: 159      0251  2
: 160      0252  2  IF ( NOT .RENAME_RESULT) THEN BAS$$STOP_RMS (.OLD_FILE, .OLD_FAB [FAB$L_STS], .OLD_FAB [FAB$L_STV]);
: 161      0253  2
: 162      0254  2  RETURN;
: 163      0255  1  END;

```

! end of BAS\$NAME_AS

.TITLE BAS\$NAME_AS
.IDENT \1-002\

.EXTRN BAS\$\$STOP_RMS, SYS\$RENAME

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

.ENTRY BAS\$NAME_AS, Save R2,R3,R4,R5,R6

0050	8F	00	5E	FEA0	CE	007C	00000	MOVAB	-352(SP), SP	0191
			6E		00	2C	00007	MOVCS	#0, (SP), #0, #80, \$RMS_PTR	0243
			B0	AD	5003	8F	B0	MOVW	#20483, \$RMS_PTR	
			C6	AD		02	90	MOVB	#2, \$RMS_PTR+22	
			CF	AD		02	90	MOVB	#2, \$RMS_PTR+31	
			D8	AD	60	AE	9E	MOVAB	OLD_NAM, \$RMS_PTR+40	
			56	AD	04	AC	D0	MOVL	OLD_FILE, R6	
			DC	AD	04	A6	D0	MOVL	4(R6), \$RMS_PTR+44	
0050	8F	00	E4	AD		66	90	MOVB	(R6), \$RMS_PTR+52	
			6E			00	2C	MOVCS	#0, (SP), #0, #80, \$RMS_PTR	0247
			FF60	CD	5003	8F	B0	MOVW	#20483, \$RMS_PTR	
			FF76	CD		02	90	MOVB	#2, \$RMS_PTR+22	
			FF7F	CD		02	90	MOVB	#2, \$RMS_PTR+31	
			88	AD		6E	9E	MOVAB	NEW_NAM, \$RMS_PTR+40	
			50	AD	08	AC	D0	MOVL	NEW_FILE, R0	
			8C	AD	04	A0	D0	MOVL	4(R0), \$RMS_PTR+44	
0060	8F	00	94	AD		60	90	MOVB	(R0), \$RMS_PTR+52	
			6E			00	2C	MOVCS	#0, (SP), #0, #96, \$RMS_PTR	0248
			60	AE	6002	8F	B0	MOVW	#24578, \$RMS_PTR	
0060	8F	00	6E			00	2C	MOVCS	#0, (SP), #0, #96, \$RMS_PTR	0249
			6E		6002	8F	B0	MOVW	#24578, \$RMS_PTR	
					FF60	CD	9F	PUSHAB	NEW_FAB	0250
						7E	7C	CLRQ	-(SP)	
					B0	AD	9F	PUSHAB	OLD_FAB	
			00000000G	00		04	FB	CALLS	#4, SYS\$RENAME	
				0D		50	E8	BLBS	RENAME_RESULT, 1\$	0252
				7E	B8	AD	7D	MOVQ	OLD_FAB+8, -(SP)	
			00000000G	00		56	DD	PUSHL	R6	
						03	FB	CALLS	#3, BAS\$\$STOP_RMS	0255
						04	00098	RET		

; Routine Size: 153 bytes, Routine Base: _BAS\$CODE + 0000

; 164 0256 1

BAS\$NAME_AS
1-002

B 13
16-Sep-1984 00:50:11 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 11:55:22 [BASRTL.SRC]BASNAMEAS.B32;1

Page 5
(3)

: 165 0257 1 END
: 166 0258 1
: 167 0259 0 ELUDOM

! end of module BAS\$NAME_AS

PSECT SUMMARY

: Name Bytes Attributes
: _BAS\$CODE 153 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	58	0	581	00:01.0

COMMAND QUALIFIERS

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

: Size: 153 code + 0 data bytes
: Run Time: 00:07.1
: Elapsed Time: 00:17.5
: Lines/CPU Min: 2179
: Lexemes/CPU-Min: 46451
: Memory Used: 95 pages
: Compilation Complete

BASMTD
LIS

BASMLD01
LIS

BASNOTMP
LIS

BASMOVEAR
LIS

BASMSGDEF
LIS

BASMSGGEN
LIS

BASONECHR
LIS

BASMOVE
LIS

BASNUM
LIS

BASNAMEAS
LIS

BASNUM
LIS