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1 0001 0 MODULE COMSCLOSE (%TITLE'FORTRAN compatibility CALL CLOSE'
2 0002 0 IDENT = '1-006', ! File: COMSCLOSE.B32 Edit: SBL1006
3 0003 0 LINKAGE (FORTRAN) ! Specify call by-reference
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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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 **
32 0032 1 FACILITY: FORTRAN Compatibility Library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 CALL CLOSE Procedure - Close specified logical unit.
37 0037 1
38 0038 1 ENVIRONMENT: User Mode - AST re-entrant - not part of shared section
39 0039 1
40 0040 1 AUTHOR: Thomas N. Hastings, CREATION DATE: 4-Dec-1977
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 Thomas N. Hastings, 4-Dec-1977: VERSION 0
45 0045 1 0-1 - original
46 0046 1 0-2 - Use PSECT COMS. TNH 8-Dec-77
47 0047 1 0-3 - Fix dot problem. TNH 9-Dec-77
48 0048 1 0-4 - PSECT F4PCOMPAT$CODE. TNH 9-Jan-78
49 0049 1 0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78
50 0050 1 0-6 - Change file name to COMSCLOSE.B32, and change REQUIRE
51 0051 1 file names similarly. JBS 14-NOV-78
52 0052 1 1-001 - Update version number and copyright notice. JBS 16-NOV-78
53 0053 1 1-002 - Declare NULLPARAMETER for new BLISS compiler. JBS 22-NOV-78
54 0054 1 1-003 - Change names of REQUIRE files from FOR... to OTS... JBS 06-DEC-78
55 0055 1 1-004 - Change OTSOPN back to FOROPN. JBS 13-DEC-78
56 0056 1 1-005 - Add LIBRARY RTLSTARLE so FOROPN can use its symbols.
57 0057 1 JBS 10-APR-1979

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63 0062 1 |
64 0063 1 | PROLOGUE FILE:
65 0064 1 |
66 0065 1 |
67 0066 1 REQUIRE 'RTLIN:FORPROLOG';          ' FOR$ definitions
68 0132 1 |
69 0133 1 |
70 0134 1 | TABLE OF CONTENTS:
71 0135 1 |
72 0136 1 |
73 0137 1 FORWARD ROUTINE
74 0138 1   CLOSE : NOVALUE;                   ! CALL CLOSE _ no prefix since not mapped by compiler.
75 0139 1 |
76 0140 1 |
77 0141 1 | MACROS:
78 0142 1 |
79 0143 1 |
80 0144 1 | EQUATED SYMBOLS:
81 0145 1 |
82 0146 1 |
83 0147 1 | OWN STORAGE:
84 0148 1 |
85 0149 1 |
86 0150 1 | EXTERNAL REFERENCES:
87 0151 1 |
88 0152 1 |
89 0153 1 EXTERNAL ROUTINE
90 0154 1   FOR$CLOSE : NOVALUE ADDRESSING_MODE (GENERAL),      ! Returns success or failure
91 0155 1   FOR$$ERR_OPECLO : NOVALUE ADDRESSING_MODE (GENERAL),
92 0156 1   ! Error handler to set user PC in signal arg list
93 0157 1   FOR$$SIG_NO_LUB : NOVALUE ADDRESSING_MODE (GENERAL); ! Signal_stop when no LUB allocated
94 0158 1 |
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96 0159 1 %SBTTL 'CLOSE'
97 0160 1 GLOBAL ROUTINE CLOSE (
98 0161 1 LOGICAL_UNIT_NO) ! Adr. of logical unit nubmer
99 0162 1 : NOVALUE = . no value
100 0163 1
101 0164 1 !++
102 0165 1 FUNCTIONAL DESCRIPTION:
103 0166 1
104 0167 1 Close file on specified logical unit.
105 0168 1 Perform any disposition specified in OPEN.
106 0169 1 This is done by performing a FORTRAN CLOSE (UNIT = LOGICAL_UNIT_NO)
107 0170 1
108 0171 1 FORMAL PARAMETERS:
109 0172 1
110 0173 1 LOGICAL_UNIT_NO.rw.r ! Adr. of word (SIC) containing logical unit number
111 0174 1
112 0175 1 IMPLICIT INPUTS:
113 0176 1
114 0177 1 See FOR$CLOSE.
115 0178 1
116 0179 1 IMPLICIT OUTPUTS:
117 0180 1
118 0181 1 See FOR$CLOSE.
119 0182 1
120 0183 1 ROUTINE VALUE:
121 0184 1 COMPLETION CODES:
122 0185 1
123 0186 1 NONE
124 0187 1
125 0188 1 SIDE EFFECTS:
126 0189 1
127 0190 1 SIGNAL_STOPs FOR$_INVARGFOR (48='INVALID ARGUMENT TO FORTRAN I/O LIBRARY')
128 0191 1 See FOR$CLOSE for rest of errors.
129 0192 1 --
130 0193 1
131 0194 2 BEGIN
132 0195 2
133 0196 2 BUILTIN
134 0197 2 NULLPARAMETER;
135 0198 2
136 0199 2 LOCAL
137 0200 2 CLOSE_KEY_WORD : BLOCK [4, BYTE]; ! CLOSE keyword storage
138 0201 2
139 0202 2 BIND
140 0203 2 L_UNWIND_ACTION = UPLIT (FOR$_UNWINDNOP); ! No action on unwind
141 0204 2
142 0205 2 MAP
143 0206 2 L_UNWIND_ACTION : VOLATILE; ! ARG to handler
144 0207 2
145 0208 2 ENABLE
146 0209 2 FOR$_ERR_OPECLO (L_UNWIND_ACTION); ! Enable error handler
147 0210 2
148 0211 2 ! Indicate no unwind action, since FOR$CLOSE will also
149 0212 2 ! have setup a handler. Don't pass 2nd arg since not an ERR=
150 0213 2
151 0214 2 !+
152 0215 2 ! SIGNAL_STOP FOR$_INVARGFOR (48='INVALID ARGUMENT TO FFORTRAN I/O LIBRARY')

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: 153      0216 2      | if no argument at all.
: 154      0217 2      |
: 155      0218 2      |
: 156      0219 2      | IF NULLPARAMETER (1) THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR, 0);
: 157      0220 2      |
: 158      0221 2      |
: 159      0222 2      | *
: 160      0223 2      | Build OPEN/CLOSE Keyword arg list
: 161      0224 2      | Pass address of word containing LOGICAL UNIT
: 162      0225 2      | Since no ERR= specified, any errors will be signaled.
: 163      0226 2      |
: 164      0227 2      |
: 165      0228 2      | CLOSE_KEY_WORD [OPENS$B_KEY] = OPENS$K_UNIT;
: 166      0229 2      | CLOSE_KEY_WORD [OPENS$B_ARG_TYPE] = OPENS$K_ARG_W_R;
: 167      0230 2      | FOR$CLOSE (.CLOSE_KEY_WORD, .LOGICAL_UNIT_NO);
: 168      0231 1      | RETURN
:                               | END;

```

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                                .TITLE COMSCLOSE FORTTRAN compatibility CALL CLOSE
                                .IDENT  \1-006\
                                .PSECT  _FOR$CODE,NOWRT, SHR, PIC,2
                                00000001 00000 P.AAA: .LONG 1
                                L_UNWIND_ACTION= P.AAA
                                .EXTRN  FOR$CLOSE, FOR$$ERR_OPECLO
                                .EXTRN  FOR$$SIG_NO_LUB
                                .ENTRY  CLOSE, Save nothing
                                MOVAL   3$, (FP)
                                TSTB   (AP)
                                BEQL   1$
                                TSTL   4(AP)
                                BNEQ   2$
                                MOVQ   #48, -(SP)
                                CALLS  #2, FOR$$SIG_NO_LUB
                                MOVB   #1, CLOSE_KEY_WORD
                                INSV   #3, #8, #8, CLOSE_KEY_WORD
                                PUSHL  LOGICAL_UNIT_NO
                                PUSHL  CLOSE_KEY_WORD
                                CALLS  #2, FOR$CLOSE
                                RET
                                .WORD  Save nothing
                                PUSHAB L_UNWIND_ACTION
                                PUSHL  #T
                                PUSHL  SP
                                MOVQ   4(AP), -(SP)
                                CALLS  #3, FOR$$ERR_OPECLO
                                RET

```

; Routine Size: 68 bytes, Routine Base: _FOR\$CODE + 0004

```

: 169      0232 1
: 170      0233 1 END
: 171      0234 1

```

! End of module

COMSCLOSE
1-006

FORTRAN compatibility CALL CLOSE
CLOSE

G 13
16-Sep-1984 00:08:52
14-Sep-1984 12:31:28

VAX-11 Bliss-32 V4.0-742
[FORRTL.SRC]COMCLOSE.B32;1

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: 172

0235 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
_FOR\$CODE	72	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	0	0	581	00:00.9
-\$255\$DUA28:[FORRTL.OBJ]FORLIB.L32;1	711	6	0	52	00:00.5
-\$255\$DUA28:[FORRTL.OBJ]RTLLIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

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

: Size: 68 code + 4 data bytes
: Run Time: 00:04.1
: Elapsed Time: 00:17.8
: Lines/CPU Min: 3464
: Lexemes/CPU-Min: 6663
: Memory Used: 41 pages
: Compilation Complete

