


```

BBBBBBBB      AAAAAA      RRRRRRRR      SSSSSSSS
BBBBBBBB      AAAAAA      RRRRRRRR      SSSSSSSS
BB           BB  AA         AA  RR         RR  SS
BB           BB  AA         AA  RR         RR  SS
BB           BB  AA         AA  RR         RR  SS
BB           BB  AA         AA  RR         RR  SS
BBBBBBBBBB    AA         AA  RRRRRRRR      SSSSSS
BBBBBBBBBB    AA         AA  RRRRRRRR      SSSSSS
BB           BB  AAAAAAAAAA  RR  RR         SS
BB           BB  AAAAAAAAAA  RR  RR         SS
BB           BB  AA         AA  RR         RR  SS
BB           BB  AA         AA  RR         RR  SS
BBBBBBBBBB    AA         AA  RR         RR  SSSSSSSS
BBBBBBBBBB    AA         AA  RR         RR  SSSSSSSS
.....
.....
.....
.....

```

```

LL           ,IIIII      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
LLLLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLLLL  IIIIII      SSSSSSSS

```

: R

```

1 0001 0 MODULE BARS (
2 0002 0 IDENT = 'V04-000'
3 0003 0 XBLISS32[
4 P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
5 0005 0 ]
6 0006 0 ) =
7 0007 1 BEGIN
8 0008 1
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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29 0029 1 *
30 0030 1 *
31 0031 1 *****
32 0032 1
33 0033 1
34 0034 1 ++
35 0035 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
36 0036 1
37 0037 1 ABSTRACT: Processes .BEGIN BAR, .END BAR, .ENABLE BAR and .DISABLE BAR commands
38 0038 1
39 0039 1
40 0040 1 ENVIRONMENT: Transportable
41 0041 1
42 0042 1 AUTHOR: R.W.Friday CREATION DATE: September, 1978
43 0043 1

```

Revision History

D 8
15-Sep-1984 23:49:35
14-Sep-1984 13:05:32

..	45	0044	1	%SBTTL 'Revision History'
..	46	0045	1	
..	47	0046	1	MODIFIED BY:
..	48	0047	1	
..	49	0048	1	005 KFA00005 Ken Alden 27-Jun-1983
..	50	0049	1	Restored this module to pre-dsrplus days so that disable
..	51	0050	1	bar does not restore the left margin.
..	52	0051	1	
..	53	0052	1	004 KFA00004 Ken Alden 07-Mar-1983
..	54	0053	1	Global edit of all modules. Updated module names, idents,
..	55	0054	1	copyright dates. Changed require files to BLISS library.
..	56	0055	1	
..	57	0056	1	--

Module Level Declarations

```

: 59      0057 1 %SBTTL 'Module Level Declarations'
: 60      0058 1
: 61      0059 1
: 62      0060 1 : TABLE OF CONTENTS:
: 63      0061 1
: 64      0062 1
: 65      0063 1 : INCLUDE FILES:
: 66      0064 1
: 67      0065 1
: 68      0066 1 LIBRARY 'NXPOR:XPOR';      ! XPORT Library
: 69      0067 1 REQUIRE 'REQ:RNODEF';    ! RUNOFF variant definitions
: 70      0198 1
: 71      U 0199 1 %IF DSRPLUS %THEN
: 72      U 0200 1 LIBRARY 'REQ:DPLL!B';    ! DSRPLUS BLISS Library
: 73      0201 1 %ELSE
: 74      0202 1 LIBRARY 'REQ:DSRLIB';    ! DSR BLISS Library
: 75      0203 1 %FI
: 76      0204 1
: 77      0205 1
: 78      0206 1 : MACROS:
: 79      0207 1
: 80      0208 1
: 81      0209 1 : EQUATED SYMBOLS:
: 82      0210 1
: 83      0211 1
: 84      0212 1 : OWN STORAGE:
: 85      0213 1
: 86      0214 1
: 87      0215 1 : EXTERNAL REFERENCES:
: 88      0216 1
: 89      0217 1
: 90      0218 1 EXTERNAL
: 91      0219 1     GCA : GCA DEFINITION,
: 92      0220 1     IRAC : IRAC DEFINITION,
: 93      U 0221 1 %IF DSRPLUS %THEN
: 94      U 0222 1     IRA : FIXED STRING,
: 95      U 0223 1     SCA : SCA_DEFINITION,
: 96      0224 1 %FI
: 97      0225 1     TSF : TSF_DEFINITION;
: 98      0226 1
: 99      U 0227 1 %IF DSRPLUS %THEN
: 100     U 0228 1 EXTERNAL ROUTINE
: 101     U 0229 1     GETQC,
: 102     U 0230 1     RSKIPS;
: 103     0231 1 %FI
: 104     0232 1

```

: R

.....

```

106 0233 1 GLOBAL ROUTINE BARS (HANDLER_CODE) : NOVALUE = !
107 0234 1
108 0235 1  +-
109 0236 1  FUNCTIONAL DESCRIPTION:
110 0237 1
111 0238 1      See the ABSTRACT, above.
112 0239 1
113 0240 1  FORMAL PARAMETERS:
114 0241 1
115 0242 1      HANDLER_CODE indicates which command is to be processed.
116 0243 1
117 0244 1  IMPLICIT INPUTS:      None
118 0245 1
119 0246 1  IMPLICIT OUTPUTS:     None
120 0247 1
121 0248 1  ROUTINE VALUE:
122 0249 1  COMPLETION CODES:     None
123 0250 1
124 0251 1  SIDE EFFECTS: None
125 0252 1
126 0253 1  --
127 0254 1
128 0255 2  BEGIN
129 0256 2
130 0257 2  SELECTONE .HANDLER_CODE OF
131 0258 2  SET
132 0259 2
133 0260 2  [H_BEGIN BAR] :
134 0261 2  BEGIN
135 U 0262 2  %IF DSRPLUS %THEN
136 U 0263 2  LOCAL
137 U 0264 2  NEW_CHANGE_CHAR;
138 U 0265 2  !Skip spaces and tabs until the (optional) quoted character.
139 U 0266 2  RSKIPS (IRA);
140 U 0267 2  !Get an optional character. If supplied, turn on bars only if the
141 U 0268 2  !character matches the current change-bar character.
142 U 0269 2  NEW_CHANGE_CHAR = GETQC ();
143 U 0270 2  IF -.NEW_CHANGE_CHAR EQL -1
144 U 0271 2  OR .NEW_CHANGE_CHAR EQL .SCA_BAR_CHAR !User didn't supply new character.
145 U 0272 2  THEN !Character supplied matches current change-bar.
146 U 0273 2  BEGIN
147 U 0274 2  %FI
148 0275 2  GCA_BARS_ON = TRUE;
149 0276 2  GCA_BARS = .GCA_BARS_ENAB; !Indicate input text should be BARed if BARS are ena
150 U 0277 2  %IF DSRPLUS %THEN !...
151 U 0278 2  END;
152 U 0279 2  %FI
153 0280 2  END;
154 0281 2
155 0282 2  [H_END BAR] :
156 0283 2  BEGIN
157 0284 2  GCA_BARS_ON = FALSE; !Turn off generation of bars.
158 0285 2  GCA_BARS = FALSE; !...
159 0286 2  END;
160 0287 2
161 0288 2  [H_ENABLE_BAR] :
162 0289 2  BEGIN

```

```

163 U 0290 3 XIF DSRPLUS XTHEN
164 U 0291 LOCAL
165 U 0292 NEW_CHANGE_CHAR;
166 U 0293
167 U 0294 !Skip spaces and tabs until the (optional) quoted character.
168 U 0295 RSKIPS (IRA);
169 U 0296 !Get an optional character. If supplied, replace the change-bar
170 U 0297 !character with it.
171 U 0298 NEW_CHANGE_CHAR = GETQC ();
172 U 0299 IF -.NEW_CHANGE_CHAR GTR 0 !No character supplied (or error)
173 U 0300 THEN !if GETQC() returns value LEQ 0.
174 U 0301 SCA_BAR_CHAR = .NEW_CHANGE_CHAR;
175 U 0302 XFI
176 U 0303 GCA_BARS_ENAB = .GCA_CMD_BAR; !Enable bars unless forbidden on the command line.
177 U 0304 GCA_BARS = .GCA_CMD_BAR AND .GCA_BARS_ON;
178 U 0305 GCA_EVER_BARS = .GCA_BARS_ENAB; !Change bars have been enabled in this document.
179 U 0306
180 U 0307 END;
181 U 0308
182 U 0309 [H_DISABLE_BAR] :
183 U 0310 BEGIN
184 U 0311 GCA_BARS_ENAB = FALSE; !Disable generation of change bars.
185 U 0312 GCA_BARS = FALSE; !....
186 U 0313 END;
187 U 0314 TES;
188 U 0315
189 U 0316 !Associate change-bar characteristics with the input file.
190 U 0317 IRAC_BARS = .GCA_BARS;
191 U 0318
192 U 0319 1 END; !End of BARS

```

```

.TITLE BARS
.IDENT \V04-000\
.EXTRN GCA, IRAC, TSF
.PSECT $CODE$,NOWRT,2
.ENTRY BARS, Save R2 : 0233
MOVAB GCA+24, R2
MOVL HANDLER_CODE, R0 : 0257
CML R0, #7 : 0260
BNEQ 1$
B:SB2 #1, GCA+28 : 0275
INSV GCA+24, #0, #1, GCA+20 : 0276
BRB 5$ : 0257
CML R0, #56 : 0282
BNEQ 2$
BICB2 #1, GCA+28 : 0284
BRB 4$ : 0285
CML R0, #47 : 0288
BNEQ 3$
INSV GCA+76, #0, #1, GCA+24 : 0303
EXTZV #0, #1, GCA+76, R0 : 0304
EXTZV #0, #1, GCA+28, R1
MCOML R1, R1

```

```

FC A2 01 04 A2 00 04 A2 2F 00 01 50 04 A2 51
52 00000000G EF 9E 00002
50 04 AC D0 00009
07 50 D1 0000D
0C 12 00010
01 88 00012
62 F0 00016
42 11 0001C
50 D1 0001E 1$:
06 12 00021
04 A2 01 8A 00023
33 11 00027
50 D1 00029 2$:
26 12 0002C
00 34 A2 F0 0002E
01 00 EF 00034
01 00 EF 0003A
51 51 D2 00040

```

BARS
V04-000

Module Level Declarations

H 8
15-Sep-1984 23:49:35
14-Sep-1984 13:05:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]BARS.BLI;1

FC	A2	01	50	51	8A	00043	BICB2	R1, R0			
08	A2	01	00	50	FO	00046	INSV	R0, #0, #1, GCA+20			
			00	62	FO	0004C	INSV	GCA+24, #0, #1, GCA+32		0305	
				0C	11	00052	BRB	5\$		0257	
			12	50	D1	00054	3\$:	CPL	R0, #18	0309	
				07	12	00057	BNEQ	5\$			
			62	01	8A	00059	BICB2	#1, GCA+24		0311	
			A2	01	8A	0005C	4\$:	BICB2	#1, GCA+20	0312	
00000000G	EF	01	00	FC	A2	FO	00060	5\$:	INSV	GCA+20, #0, #1, IRAC	0317
						04	0006A	RET		0319	

; Routine Size: 107 bytes, Routine Base: \$CODE\$ + 0000

```

: 193      0320 1
: 194      0321 1 END
: 195      0322 0 ELUDOM
!End of module

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	107	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	20	1	86	00:00.3

COMMAND QUALIFIERS

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

```

: Size:      107 code + 0 data bytes
: Run Time:  00:03.9
: Elapsed Time: 00:10.4
: Lines/CPU Min: 4941
: Lexemes/CPU-Min: 17386
: Memory Used: 38 pages
: Compilation Complete

```


