

RRRRRRRRRR		UUU	UUU	NNN	NNN	00000000		FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU	UUU	NNN	NNN	00000000		FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU	UUU	NNN	NNN	00000000		FFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	000	FFF	FFF
RRRRRRRRRR		UUU	UUU	NNN	NNN	000	000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU	UUU	NNN	NNN	000	000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU	UUU	NNN	NNN	000	000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUUUU		NNN	NNN	00000000		FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUUUU		NNN	NNN	00000000		FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUUUU		NNN	NNN	00000000		FFF	FFF

NDX
NDX
NUM
NUM
OPE
OUT
PAC
PAC
PAC
PAC
PAC
PAC
PAC
PAC
PAD
PAG
PAG
PAG
PAG
PAG
PAG
PAG
PER
PUT
RCO
RIN
RLI
RNO
RNO
RTY
SAV
STR
STR
STR
STR
STR
STR
STR
STR
STR
STR
STR

_\$2

```

CCCCCCCC 000000 NN NN TTTTTTTTTT RRRRRRRR LL
CCCCCCCC 000000 NN NN TTTTTTTTTT RRRRRRRR LL
CC        00    00 NN NN TT          RR      LL
CC        00    00 NN NN TT          RR      LL
CC        00    00 NNNN NN TT          RR      LL
CC        00    00 NNNN NN TT          RR      LL
CC        00    00 NN NN NN TT          RRRRRRRR LL
CC        00    00 NN NN NN TT          RRRRRRRR LL
CC        00    00 NN NNNN TT          RR RR      LL
CC        00    00 NN NNNN TT          RR RR      LL
CC        00    00 NN NN TT          RR RR      LL
CC        00    00 NN NN TT          RR RR      LL
CCCCCCCC 000000 NN NN TT          RR RR      LL
CCCCCCCC 000000 NN NN TT          RR RR      LL
LLLLLLLLLL LLLLLLLLLL .....

```

```

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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

```



```

1 0001 0 MODULE CONTRL (
2 0002 0 IDENT = 'V04-000'
3 P 0003 0 %BLISS32[
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 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
12 0012 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
13 0013 1 * ALL RIGHTS RESERVED.
14 0014 1 *
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21 0021 1 *
22 0022 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
23 0023 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
24 0024 1 * CORPORATION.
25 0025 1 *
26 0026 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
27 0027 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
28 0028 1 *
29 0029 1 *
30 0030 1 *****
31 0031 1
32 0032 1 ++
33 0033 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
34 0034 1
35 0035 1 ABSTRACT: Processes .CONTROL CHARACTERS, .NO CONTROL CHARACTERS, and
36 0036 1 .NO SPACE commands.
37 0037 1 Processing is divided up among two routines.
38 0038 1
39 0039 1
40 0040 1 ENVIRONMENT: Transportable
41 0041 1
42 0042 1 AUTHOR: R.W.Friday CREATION DATE: July, 1978
43 0043 1

```

CONTRL
V04-000

Revision History

N 14
16-Sep-1984 00:10:11
14-Sep-1984 13:05:51

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CONTRL.BLI;1

Page 2
(2)

:	45	0044	1	%SBTTL 'Revision History'
:	46	0045	1	!
:	47	0046	1	! MODIFIED BY:
:	48	0047	1	!
:	49	0048	1	! 003 KFA00003 Ken Alden 07-Mar-1983
:	50	0049	1	! Global edit of all modules. Updated module names, idents,
:	51	0050	1	! copyright dates. Changed require files to BLISS library.
:	52	0051	1	!
:	53	0052	1	! --

Module Level Declarations

```
55 0053 1 %SBTTL 'Module Level Declarations'
56 0054 1
57 0055 1 |
58 0056 1 | TABLE OF CONTENTS:
59 0057 1 |
60 0058 1 |
61 0059 1 FORWARD ROUTINE
62 0060 1     CONTRL : NOVALUE,
63 0061 1     CONCAT : NOVALUE;
64 0062 1 |
65 0063 1 |
66 0064 1 | INCLUDE FILES:
67 0065 1 |
68 0066 1 |
69 0067 1 LIBRARY 'NXPORT:XPORT';           ! XPORT Library
70 0068 1 REQUIRE 'REQ:RNODEF';           ! RUNOFF variant definitions
71 0199 1
72 U 0200 1 %IF DSRPLUS %THEN
73 U 0201 1 LIBRARY 'REQ:DPLLIB';           ! DSRPLUS BLISS Library
74 0202 1 %ELSE
75 0203 1 LIBRARY 'REQ:DSRLIB';           ! DSR BLISS Library
76 0204 1 %FI
77 0205 1 |
78 0206 1 |
79 0207 1 | MACROS:
80 0208 1 |
81 0209 1 |
82 0210 1 | EQUATED SYMBOLS:
83 0211 1 |
84 0212 1 |
85 0213 1 | OWN STORAGE:
86 0214 1 |
87 0215 1 |
88 0216 1 | EXTERNAL REFERENCES:
89 0217 1 |
90 0218 1 |
91 0219 1 EXTERNAL
92 0220 1     GCA : GCA_DEFINITION,
93 0221 1     SCA : SCA_DEFINITION;
94 0222 1 |
95 0223 1 EXTERNAL LITERAL                 ! Error message
96 0224 1     RNFDNS;           ! .NO SPACE illegal in this context
97 0225 1 |
98 0226 1 EXTERNAL ROUTINE
99 0227 1     ERML;
100 0228 1
```


Module Level Declarations

```

: 102 0229 1 GLOBAL ROUTINE CONTRL (HANDLER_CODE) : NOVALUE =      !
: 103 0230 1
: 104 0231 1 !++
: 105 0232 1 FUNCTIONAL DESCRIPTION:
: 106 0233 1
: 107 0234 1 Processes .CONTROL CHARACTERS and .NO CONTROL CHARACTERS commands
: 108 0235 1
: 109 0236 1 FORMAL PARAMETERS:
: 110 0237 1
: 111 0238 1     HANDLER_CODE indicates which command is to be processed.
: 112 0239 1
: 113 0240 1 IMPLICIT INPUTS:      None
: 114 0241 1
: 115 0242 1 IMPLICIT OUTPUTS:     None
: 116 0243 1
: 117 0244 1 ROUTINE VALUE:
: 118 0245 1 COMPLETION CODES:     None
: 119 0246 1
: 120 0247 1 SIDE EFFECTS: None
: 121 0248 1
: 122 0249 1 --
: 123 0250 1
: 124 0251 2 BEGIN
: 125 0252 2
: 126 0253 2 IF
: 127 0254 2     .HANDLER_CODE EQL H_CONTROL_CHARA      !
: 128 0255 2 THEN
: 129 0256 2     SCA_CC_OK = TRUE
: 130 0257 2 ELSE
: 131 0258 2     SCA_CC_OK = FALSE;
: 132 0259 2
: 133 0260 1 END;

```

!End of CONTRL

```

.TITLE  CONTRL
.IDENT  \V04-000\

.EXTRN  GCA, SCA, RNFDNS
.EXTRN  ERML

.PSECT  $CODE$,NOWRT,2

.ENTRY  CONTRL, Save nothing
CMPL   HANDLER_CODE, #15
BNEQ   1$
MOVL   #1, @SCA+108
RET
CLRL   @SCA+108
RET

```

```

      0000 0000
OF      04  AC  D1 00002
      08  12 00006
0000000G FF  01  D0 00008
      04  0000F
      0000000G FF  D4 00010 1$:
      04  00016

```

```

: 0229
: 0254
: 0256
: 0258
: 0260

```

: Routine Size: 23 bytes, Routine Base: \$CODE\$ + 0000

: 134 0261 1


```

: 136 0262 1 GLOBAL ROUTINE CONCAT (HANDLER_CODE) : NOVALUE =      !
: 137 0263 1
: 138 0264 1 !++
: 139 0265 1 ! FUNCTIONAL DESCRIPTION:
: 140 0266 1 !
: 141 0267 1 ! Processes the .NO SPACE command
: 142 0268 1 !
: 143 0269 1 ! FORMAL PARAMETERS:
: 144 0270 1 !
: 145 0271 1 !     HANDLER_CODE is not used; it's a dummy.
: 146 0272 1 !
: 147 0273 1 ! IMPLICIT INPUTS:      None
: 148 0274 1 !
: 149 0275 1 ! IMPLICIT OUTPUTS:     None
: 150 0276 1 !
: 151 0277 1 ! ROUTINE VALUE:
: 152 0278 1 ! COMPLETION CODES:     None
: 153 0279 1 !
: 154 0280 1 ! SIDE EFFECTS: None
: 155 0281 1 !
: 156 0282 1 ! --
: 157 0283 1 !
: 158 0284 1 2 BEGIN
: 159 0285 1 2
: 160 0286 1 2 IF .sca_cont
: 161 0287 1 2 THEN
: 162 0288 1 2 3 BEGIN
: 163 0289 1 2 3 gca_concat = TRUE;
: 164 0290 1 2 3 END
: 165 0291 1 2 ELSE
: 166 0292 1 2 !A .NO SPACE command is illegal, since there is nothing to
: 167 0293 1 2 !concatenate the next text to.
: 168 0294 1 2 3 BEGIN
: 169 0295 1 2 3 ERML (RNFDNS);
: 170 0296 1 2 3 END;
: 171 0297 1 2
: 172 0298 1 2 END;

```

!End of CONCAT

00000000G	08	00000000G	EF	01	00000002	0000	00000	.ENTRY	CONCAT, Save nothing	:	0262
					E9			BLBC	SCA+164, 1\$:	0286
					D0			MOVL	#1, GCA+48	:	0289
					04			RET		:	0286
					DD	00011	1\$:	PUSHL	#RNFDNS	:	0295
00000000G	EF	00000000G	8F	01	FB	00017		CALLS	#1, ERML	:	
					04	0001E		RET		:	0298

; Routine Size: 31 bytes, Routine Base: \$CODE\$ + 0017

```

: 173 0299 1
: 174 0300 1 END
: 175 0301 0 ELUDOM

```

!End of module

PSECT SUMMARY

```

:
: Name Bytes Attributes
: $CODE$ 54 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	10	0	86	00:00.3

COMMAND QUALIFIERS

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

```

: Size: 54 code + 0 data bytes
: Run Time: 00:02.7
: Elapsed Time: 00:10.9
: Lines/CPU Min: 6713
: Lexemes/CPU-Min: 10527
: Memory Used: 22 pages
: Compilation Complete

```


