

RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000000000	FFFFFFF	FFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000000000	FFFFFFF	FFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000000000	FFFFFFF	FFFFFFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNNNNN	NNN	000	FFF	FFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000	FFFFFFF	FFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000	FFFFFFF	FFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000	FFFFFFF	FFFFFFF
RRR	RRR	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	000000000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	000000000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	000000000	FFF	FFF

[illegible]

```

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
LLLLLLLLLLLLLL  IIIIII               SSSSSSSS
LLLLLLLLLLLLLL  IIIIII               SSSSSSSS

```

LI
VO

.....


```
0001 0 MODULE layout ( IDENT = 'V04-000'
P 0002 0      %BLISS32[, ADDRESSING_MODE (EXTERNAL    = LONG_RELATIVE,
0003 0      ) =
0004 0      NONEXTERNAL = LONG_RELATIVE])
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1 ++
0031 1 FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
0032 1
0033 1 ABSTRACT:      Processes the .LAYOUT command.
0034 1
0035 1 ENVIRONMENT:    Transportable
0036 1
0037 1 AUTHOR:        R.W.Friday      CREATION DATE: April, 1979
0038 1
0039 1
```


LAYOUT
V04-000

Revision History

G 15
16-Sep-1984 00:47:42
14-Sep-1984 13:06:49

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

Page 2
(2)

: 41
: 42
: 43
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: 45
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: 49
: 50

0040 1 %SBTTL 'Revision History'
0041 1
0042 1 : MODIFIED BY:
0043 1
0044 1 :
0045 1 : 005 RER00005
0046 1 : Ron Randall 07-Mar-1983
0047 1 : Global edit of all modules. Updated module names, idents,
0048 1 : copyright dates. Changed require files to BLISS library.
0049 1 :
0049 1 :--

```

52      0050 1 %SBTTL 'Module Level Declarations'
53      0051 1
54      0052 1
55      0053 1 | TABLE OF CONTENTS:
56      0054 1
57      0055 1 | INCLUDE FILES:
58      0056 1
59      0057 1 LIBRARY 'NXPORT:XPORT';      ! XPORT Library
60      0058 1 REQUIRE 'REQ:RNODEF';      ! RUNOFF variant definitions
61      0189 1
62      U 0190 1 %IF DSRPLUS %THEN
63      U 0191 1 LIBRARY 'REQ:DPLLIB';      ! DSRPLUS BLISS Library
64      0192 1 %ELSE
65      0193 1 LIBRARY 'REQ:DSRLIB';      ! DSR BLISS Library
66      0194 1 %FI
67      0195 1
68      0196 1
69      0197 1 | EXTERNAL REFERENCES:
70      0198 1
71      0199 1 EXTERNAL
72      0200 1     HCT : HCT_DEFINITION,
73      0201 1     IRA : FIXED_STRING,
74      0202 1     NUMPRM : NUMPRM_DEFINE,
75      0203 1     PHAN : PHAN_DEFINITION;
76      0204 1
77      0205 1 EXTERNAL LITERAL      !Error messages
78      0206 1     RNFINM;
79      0207 1
80      0208 1 EXTERNAL ROUTINE
81      0209 1     ERMA,
82      0210 1     GETNUM,
83      0211 1     SKPSEP;
84      0212 1
```



```

86 0213 1 GLOBAL ROUTINE LAYOUT (HANDLER_CODE) : NOVALUE =
87 0214 1
88 0215 1 !++
89 0216 1 FUNCTIONAL DESCRIPTION:
90 0217 1
91 0218 1     See the ABSTRACT, above
92 0219 1
93 0220 1 FORMAL PARAMETERS:
94 0221 1
95 0222 1     HANDLER_CODE is a dummy, used only for conformance with other routines.
96 0223 1
97 0224 1 IMPLICIT INPUTS:      None
98 0225 1
99 0226 1 IMPLICIT OUTPUTS:     None
100 0227 1
101 0228 1 ROUTINE VALUE:
102 0229 1 COMPLETION CODES:      None
103 0230 1
104 0231 1 SIDE EFFECTS:          None
105 0232 1 --
106 0233 1
107 0234 2 BEGIN
108 0235 2
109 0236 2 !If user said .LAYOUT without any number, set up for standard layout.
110 0237 2 !Ditto if user said .LAYOUT 0
111 0238 2 !Ditto if he input some crocky number.
112 0239 2 IF .NUM_LENGTH EQL 0 !Nothing specified
113 0240 2 OR (.NUM_VALUE EQL 0) !.LAYOUT 0
114 0241 2 THEN
115 0242 2 BEGIN
116 0243 2 !The standard layout starts with the next page, at the latest.
117 0244 2 HCT_LAYOUT_NP = LAYOUT_STANDARD;
118 0245 2 HCT_LAYOUTN_NP = 0;
119 0246 2
120 0247 2 !Change layout immediately if at top of first page.
121 0248 2 IF .PHAN_TOP_FIRST
122 0249 2 THEN
123 0250 2 BEGIN
124 0251 2 HCT_LAYOUT = LAYOUT_STANDARD;
125 0252 2 HCT_LAYOUTN = 0;
126 0253 2 END;
127 0254 2
128 0255 2 RETURN;
129 0256 2 END;
130 0257 2
131 0258 2 !See if user said .LAYOUT 1,n or .LAYOUT 2,n or .LAYOUT 3,n
132 0259 2 IF .NUM_VALUE GTR 3
133 0260 2 OR (.NUM_VALUE LSS 0)
134 0261 2 THEN
135 0262 2 !Illegal layout specified.
136 0263 2 BEGIN
137 0264 2 ERMA (RNFINM, FALSE);
138 0265 2 RETURN;
139 0266 2 END;
140 0267 2
141 0268 2 !User did say .LAYOUT 1 ....., so process it.
142 0269 2 HCT_LAYOUT_NP = .NUM_VALUE; !Page layout encoding number is given directly by the user.
```



```
143 0270 2 !Now, skip either a comma and/or spaces to get the second parameter.
144 0271 2 SKPSEP (IRA);
145 0272 2 !Now, attempt to get the second parameter, if supplied.
146 0273 2 NUM_RESULT = GETNUM (IRA, NUM_VALUE, NUM_SIGN, NUM_LENGTH);
147 0274 2
148 0275 2 !Do some preliminary validation
149 0276 2 IF NOT .NUM_RESULT
150 0277 2 THEN
151 0278 2 !Erroneous number
152 0279 2 BEGIN
153 0280 2 HCT_LAYOUTN_NP = 1;
154 0281 2 RETURN;
155 0282 2 END;
156 0283 2
157 0284 2 IF .NUM_VALUE LEQ 0
158 0285 2 THEN
159 0286 2 ! Zero or a negative number not allowed
160 0287 2 BEGIN
161 0288 2 ERMA (RNFINM, FALSE);
162 0289 2 HCT_LAYOUTN_NP = 1;
163 0290 2 RETURN;
164 0291 2 END
165 0292 2 ELSE
166 0293 2 HCT_LAYOUTN_NP = .NUM_VALUE;
167 0294 2
168 0295 2 !If at the top of the first page,
169 0296 2 !the new layout takes effect immediately.
170 0297 2 IF .PHAN_TOP_FIRST
171 0298 2 THEN
172 0299 2 BEGIN
173 0300 2 HCT_LAYOUTN = .HCT_LAYOUTN_NP;
174 0301 2 HCT_LAYOUT = .HCT_LAYOUT_NP;
175 0302 2 END;
176 0303 2
177 0304 1 END; !End of LAYOUT
```

```
.TITLE LAYOUT
.IDENT \V04-000\
```

```
.EXTRN HCT, IRA, NUMPRM
.EXTRN PHAN, RNFINM, ERMA
.EXTRN GETNUM, SKPSEP
```

```
.PSECT $CODE$,NOWRT,2
```

```
00FC 00000
57 00000000G EF 9E 00002
56 00000000G EF 9E 00009
55 00000000G 8F D0 00010
54 00000000G EF 9E 00017
53 00000000G EF 9E 0001E
52 00000000G EF 9E 00025
08 A2 D5 0002C
04 13 0002F
62 D5 00031
09 12 00033
```

```
.ENTRY LAYOUT, Save R2,R3,R4,R5,R6,R7
MOVAB IRA, R7
MOVAB ERMA, R6
MOVL #RNFINM, R5
MOVAB PHAN+24, R4
MOVAB HCT+36, R3
MOVAB NUMPRM+4, R2
TSTL NUMPRM+12
BEQL 1$
TSTL NUMPRM+4
BNEQ 2$
```

```
: 0213
:
:
:
:
: 0239
:
: 0240
:
```

		63	7C	00035	1\$:	CLRQ	HCT+36	:	0244
	56	64	E9	00037		BLBC	PHAN+24, 7\$	:	0248
		F8	A3	7C	0003A	CLRQ	HCT+28	:	0251
				04	0003D	RET		:	0242
	03	62	D1	0003E	2\$:	CMPL	NUMPRM+4, #3	:	0259
		04	14	00041		BGTR	3\$	:	
		62	D5	00043		TSTL	NUMPRM+4	:	0260
		08	18	00045		BGEQ	4\$	:	
		7E	D4	00047	3\$:	CLRL	-(SP)	:	0264
		55	DD	00049		PUSHL	R5	:	
	66	02	FB	0004B		CALLS	#2, ERMA	:	
				04	0004E	RET		:	0263
	63	62	D0	0004F	4\$:	MOVL	NUMPRM+4, HCT+36	:	0269
		57	DD	00052		PUSHL	R7	:	0271
00000000G	EF	01	FB	00054		CALLS	#1, SKPSEP	:	
		08	A2	9F	0005B	PUSHAB	NUMPRM+12	:	0273
		04	A2	9F	0005E	PUSHAB	NUMPRM+8	:	
		52	DD	00061		PUSHL	R2	:	
		57	DD	00063		PUSHL	R7	:	
00000000G	EF	04	FB	00065		CALLS	#4, GETNUM	:	
FC	A2	50	D0	0006C		MOVL	R0, NUMPRM	:	
	0C	F8	A2	E9	00070	BLBC	NUMPRM, 5\$	:	0276
	50	62	D0	00074		MOVL	NUMPRM+4, R0	:	0284
		0C	14	00077		BGTR	6\$	:	
		7E	D4	00079		CLRL	-(SP)	:	0288
		55	DD	0007B		PUSHL	R5	:	
	66	02	FB	0007D		CALLS	#2, ERMA	:	
04	A3	01	D0	00080	5\$:	MOVL	#1, HCT+40	:	0289
				04	00084	RET		:	0287
04	A3	50	D0	00085	6\$:	MOVL	R0, HCT+40	:	0293
	04	64	E9	00089		BLBC	PHAN+24, 7\$	:	0297
F8	A3	63	7D	0008C		MOVQ	HCT+36, HCT+28	:	0301
			04	00090	7\$:	RET		:	0304

; Routine Size: 145 bytes, Routine Base: \$CODE\$ + 0000

:	178	0305	1	
:	179	0306	1	END
:	180	0307	0	ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	145	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)

Library Statistics

LAYOUT
V04-000

Module Level Declarations

L 15
16-Sep-1984 00:47:42
14-Sep-1984 13:06:49

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

Page 7
(4)

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
;\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
;\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	16	1	86	00:00.3

COMMAND QUALIFIERS

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

; Size: 145 code + 0 data bytes
; Run Time: 00:04.5
; Elapsed Time: 00:14.2
; Lines/CPU Min: 4102
; Lexemes/CPU-Min: 16904
; Memory Used: 48 pages
; Compilation Complete

0342

AH-BT13A-SE
 VAX/VMS V4.0

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