


```

CCCCCCCC NN      NN  TTTTTTTTTT VV      VV  RRRRRRRR  SSSSSSSS
CCCCCCCC NN      NN  TTTTTTTTTT VV      VV  RRRRRRRR  SSSSSSSS
CC        NN      NN      TT      VV      VV  RR      RR  SS
CC        NN      NN      TT      VV      VV  RR      RR  SS
CC        NNNN     NN      TT      VV      VV  RR      RR  SS
CC        NNNN     NN      TT      VV      VV  RR      RR  SS
CC        NN  NN   NN      TT      VV      VV  RRRRRRRR  SSSSSS
CC        NN  NN   NN      TT      VV      VV  RRRRRRRR  SSSSSS
CC        NN      NNNN     TT      VV      VV  RR      RR  SS
CC        NN      NNNN     TT      VV      VV  RR      RR  SS
CC        NN      NN      TT      VV      VV  RR      RR  SS
CC        NN      NN      TT      VV      VV  RR      RR  SS
CCCCCCCC NN      NN      TT      VV      VV  RR      RR  SSSSSSSS
CCCCCCCC NN      NN      TT      VV      VV  RR      RR  SSSSSSSS

```

```

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        IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```



```

1 0001 0 %TITLE 'Main module -- DSR / DSRPLUS CONTENTS Utility'
2 0002 0 MODULE cntvrs (MAIN = $contents, IDENT = 'V04-000'
3 0003 0 %BLISS32[, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE, NONEXTERNAL = LONG_RELATIVE)]
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1
32 0032 1 ++
33 0033 1 FACILITY:
34 0034 1 DSR (Digital Standard RUNOFF) /DSRPLUS DSRTOC/CONTENTS Utility
35 0035 1
36 0036 1 ABSTRACT:
37 0037 1 Defines the version number for TOPS-20 and VAX versions.
38 0038 1 Changes whenever CONTENTS code changes and describes the change.
39 0039 1
40 0040 1 VERSION PREFIX CHARACTER CONVENTIONS:
41 0041 1
42 0042 1 While building a new version: X
43 0043 1 Final link, but internal: E
44 0044 1 Released version: V
45 0045 1
46 0046 1 ENVIRONMENT: Transportable
47 0047 1 %SBTTL 'Revision History'
48 0048 1
49 0049 1 AUTHOR: JPK
50 0050 1
51 0051 1 CREATION DATE: June 1982
52 0052 1
53 0053 1 MODIFIED BY:
54 0054 1
55 0055 1 022 REM0002 13-Feb-1984
56 0056 1 Enabled /REQUIRE for DSRTOC.
57 0057 1

```

58	0058	1	021	JPK00014	09-Jun-1983	
59	0059	1		Modified CAPTION so that figure, table and example captions are unnumbered only if styled that way.		
60	0060	1				
61	0061	1				
62	0062	1	020	JPK00013	02-Jun-1983	
63	0063	1		Modified CONTENTS, CAPTION and GBLDCL to prevent initial whitespace if /REQUIRE was specified. Modified CONTENTS to prevent initial blank line for HL's.		
64	0064	1				
65	0065	1				
66	0066	1				
67	0067	1	019	JPK00012	27-May-1983	
68	0068	1		Modified source modules to include REQ: in REQUIRE statements.		
69	0069	1				
70	0070	1	018	JPK00011	20-May-1983	
71	0071	1		Modified CONTENTS to check status of \$XPO_PARSE_SPEC to avoid XPORT error messages.		
72	0072	1				
73	0073	1				
74	0074	1	017	JPK00010	05-May-1983	
75	0075	1		Modified CONTENTS to change text for index record group to all caps. Modified CAPTION to change the number of blank lines after the entity title line.		
76	0076	1				
77	0077	1				
78	0078	1				
79	0079	1	016	JPK00009	24-Mar-1983	
80	0080	1		Modified CNTT20 to support new command line syntax.		
81	0081	1		Modified CONTENTS adding routines PROCESS_PAGE, PROCESS_ENTITY_INFO and PROCESS_ENTITY_TXT to remove code from routine TOC so that CONTENTS will compile on TOPS-20		
82	0082	1		Modified CNTVMSREQ to remove conditional require of RNODEF.		
83	0083	1				
84	0084	1				
85	0085	1				
86	0086	1	015	JPK00008	09-Mar-1983	
87	0087	1		Modified CONTENTS and CAPTION to support new BRN formats, support SEND CONTENTS, /DOUBLE_SPACE, page numbered chapters, guarantee space after section number and to write new prologue and epilog for RUNOFF output.		
88	0088	1		Modified FORMAT to quote only the RUNOFF flags used by CONTENTS.		
89	0089	1		Modified CNTVMS to fix default for /DOUBLE_SPACE and do more value checking.		
90	0090	1				
91	0091	1				
92	0092	1				
93	0093	1				
94	0094	1				
95	0095	1	014	JPK00007	14-Feb-1983	
96	0096	1		Global edit of all sources for CONTENTS/DSRTOC:		
97	0097	1		- module names are now consistent with file names		
98	0098	1		- copyright dates have been updated		
99	0099	1		- facility names have been updated		
100	0100	1		- revision history was updated to be consistent with DSR/DSRPLUS		
101	0101	1				
102	0102	1	013	JPK00006	14-Feb-1983	
103	0103	1		Modified CNTVMS, CONTENTS, FORMAT and CNTVMSMSG to generate error messages for DSRTOC or CONTENTS depending on the compiletime variant for DSRPLUS (/VARIANT:8192)		
104	0104	1				
105	0105	1				
106	0106	1				
107	0107	1	012	JPK00005	14-feb-1983	
108	0108	1		Changed the names of the temporary files used to store .SEND TOC, figure, table and example captions from XPORT.TMP;1, .2, .3, .4 to OCNTST.TMP, OCNTFG.TMP, OCNTTB.TMP, and OCNTEX.TMP respectively. Delete the output file if /NOOUTPUT was specified on the command line. Module CONTENTS modified.		
109	0109	1				
110	0110	1				
111	0111	1				
112	0112	1				
113	0113	1				
114	0114	1	011	JPK00004	11-feb-1983	

115	0115	1		Changed the global variable name INDENT to LINE_INDENT in
116	0116	1		modules CONTENTS, CAPTION, FORMAT and GBLDCL.
117	0117	1		Removed declarations of PDENTS in modules CNTVMS, CONTENTS,
118	0118	1		and CAPTION and replaced with a module wide BIND using the
119	0119	1		new name INDENTS.
120	0120	1		Changed handling of INDENTS [1]. It no longer represents the
121	0121	1		sum of the chapter and title indents.
122	0122	1		
123	0123	1	010	JPK00003 11-Feb-1983
124	0124	1		Added condition handler to CNTVMS to set program exit status.
125	0125	1		
126	0126	1	009	JPK00002 10-Feb-1983
127	0127	1		Merged in change KFA00002 to modules CNTVMS, CNTCLIDMP and
128	0128	1		CNTCLI.REQ. This change was done without reserving and
129	0129	1		replacing the files in the CMS Library. This work involved
130	0130	1		replacing CONTENTSSG_LM_INDENT, CONTENTSSG_HL1_INDENT through
131	0131	1		CONTENTSSG_HL6_INDENT and CONTENTSSG_HLN_INDENT with
132	0132	1		CONTENTSSAG_HL_INDENT.
133	0133	1		CONTENTSSV_TEX was removed - it was no longer needed.
134	0134	1		Changed /TMS to /FORMAT={DSR ; TMS}.
135	0135	1		Added code for /DOUBLE_SPACE.
136	0136	1		
137	0137	1	008	KFA00003 04-Feb-1983
138	0138	1		Modified format of header level one to not include
139	0139	1		".0" in the counter. Change was in OUTSEC in module CONTENTS.
140	0140	1		
141	0141	1	007	RER00002 20-Jan-1983
142	0142	1		Modified CNTVMS and CNTCLI.REQ to add new fields for new and
143	0143	1		expanded qualifiers:
144	0144	1		CONTENTSSV_TEX - for tex output,
145	0145	1		CONTENTSSG_DOUBLE_SPACE - for /DOUBLE_SPACE,
146	0146	1		CONTENTSSG_HL2_INDENT through CONTENTSSG_HL6_INDENT for /INDENT.
147	0147	1		
148	0148	1	006	REM00001 11-Jan-1983
149	0149	1		Conditionalized output of CNTCLIDMP to only report items that
150	0150	1		are other than the default values.
151	0151	1		Added output of an identifying header.
152	0152	1		
153	0153	1	005	RER00001 17-Dec-1982
154	0154	1		Added code to CNTVMS to treat keyword NORUNNING in same way as
155	0155	1		keyword STANDARD.
156	0156	1		Changed header level default value from 99 to 6.
157	0157	1		Deleted foreign-command code; CONTENTS is now called
158	0158	1		as a subcommand of DSR.
159	0159	1		Conditionalized code to compile for DSRPLUS if BLISS
160	0160	1		/VARIANT = 8192 is used; otherwise, to compile for DSR.
161	0161	1		
162	0162	1	004	KFA00002 14-Oct-1982
163	0163	1		Modified CNTVMS, CONTENTS, CAPTION and CNTCLI.REQ to handle
164	0164	1		new syntax for /INDENT qualifier. All indents are now
165	0165	1		stored in the vector CMDBLK [CONTENTSSAG_HL_INDENT []],
166	0166	1		where 0 = chapter indent, 1 = header level one indent, etc.
167	0167	1		
168	0168	1	003	KFA00001 13-Oct-1982
169	0169	1		Modified CONTENTS and CAPTION to allow null captions for
170	0170	1		headers, examples, figures, & tables.
171	0171	1		

: 172
: 173
: 174
: 175
: 176
: 177
: 178
: 179

0172 1 | 002
0173 1 |
0174 1 |
0175 1 |
0176 1 |
0177 1 |
0178 1 |
0179 1 |--

JPK00001 17-Sep-1982
Modified CONTENTS for TOPS-20. This included splitting routine
toc () into toc () and tocfin () so that it can be compiled on
the 20, and calling \$XPO_GET_MEM and \$XPO_FREE_MEM to
temporarily store the prefix and suffix strings for HEADER
EXAMPLE, FIGURE and TABLE.

```
181 0180 1
182 L 0181 1 %IF NOT %DECLARED(DSRPLUS_DEF)
183 0182 1 %THEN
184 0183 1
185 0184 1 REQUIRE 'REQ:RNODEF.REQ'; ! RUNOFF definitions
186 0315 1
187 0316 1 %FI
188 0317 1
189 0318 1 FORWARD ROUTINE
190 0319 1 $contents;
191 0320 1
192 0321 1 !
193 0322 1 ! GLOBAL STORAGE:
194 0323 1 !
195 0324 1
196 L 0325 1 %IF DSRPLUS
197 U 0326 1 %THEN
198 U 0327 1
199 U 0328 1 GLOBAL
200 U 0329 1 cntvrp : INITIAL (CH$PTR (UPLIT ('X2.5'))), ! Version # string
201 U 0330 1 cntvrl : INITIAL (4); ! Length of version string
202 U 0331 1
203 U 0332 1 %ELSE
204 U 0333 1
205 U 0334 1 GLOBAL
206 U 0335 1 cntvrp : INITIAL (CH$PTR (UPLIT ('V2.1-09'))), ! Version # string
207 U 0336 1 cntvrl : INITIAL (7); ! Length of version string
208 U 0337 1
209 U 0338 1 %FI
210 U 0339 1
211 U 0340 1 !
212 U 0341 1 ! EXTERNAL REFERENCES:
213 U 0342 1 !
214 U 0343 1
215 U 0344 1 EXTERNAL ROUTINE
216 U 0345 1 cntcli;
217 U 0346 1
218 U 0347 1 GLOBAL ROUTINE $contents
219 U 0348 1
220 L 0349 1 %IF %BLISS(BLISS36)
221 U 0350 1 %THEN
222 U 0351 1
223 U 0352 1 %IF %SWITCHES(TOPS10)
224 U 0353 1 %THEN
225 U 0354 1 (P1, P2, P3, P4, CCL_OFFSET)
226 U 0355 1 %FI
227 U 0356 1
228 U 0357 1 %FI
229 U 0358 1
230 U 0359 1 = cntcli (
231 U 0360 1
232 L 0361 1 %IF %BLISS(BLISS36)
233 U 0362 1 %THEN
234 U 0363 1
235 U 0364 1 %IF %SWITCHES(TOPS10)
236 U 0365 1 %THEN
237 U 0366 1 .P1, .P2, .P3, .P4, .CCL_OFFSET
```

```

: 238      U 0367 1      %FI
: 239      U 0368 1
: 240      0369 1 %FI
: 241      0370 1
: 242      0371 1      );

```

.TITLE CNTVRS Main module -- DSR / DSRPLUS CONTENTS Ut

.IDENT \V04-000\

.PSECT \$SPLITS,NOWRT,NOEXE,2

00 39 30 2D 31 2E 32 56 00000 P.AAA: .ASCII \V2.1-09\<>

.PSECT \$GLOBALS,NOEXE,2

00000000' 00000 CNTVRP:: .ADDRESS P.AAA
00000007 00004 CNTVRL:: .LONG 7

.EXTRN CNTCLI

.PSECT \$CODES,NOWRT,2

00000000G EF 0000 00000 .ENTRY \$CONTENTS, Save nothing
00 FB 00002 CALLS #0, CNTCLI
04 00009 RET

: 0357
: 0359
: 0371

: Routine Size: 10 bytes, Routine Base: \$CODES + 0000

```

: 243      0372 1
: 244      0373 1 END      !End of module
: 245      0374 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$SPLITS	8	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$GLOBALS	8	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODES	10	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

COMMAND QUALIFIERS

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

CNTVRS
V04-000

Main module -- DSR / DSRPLUS CONTENTS Utility
Revision History

F 6
16-Sep-1984 00:00:07
14-Sep-1984 13:05:46

VAX-11 Bliss-32 v4.0-742
[RUNOFF.SRC]CNTVRS.BLI;1

Page 7
(2)

CNT
V04

: Size: 10 code + 16 data bytes
: Run Time: 00:02.3
: Elapsed Time: 00:07.3
: Lines/CPU Min: 9756
: Lexemes/CPU-Min: 9443
: Memory Used: 13 pages
: Compilation Complete

:
:
:

:
:

