```
RRRRRRRRRRR       UUU         UUU NNN         NNN    000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRR       UUU         UUU NNN         NNN    000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRR       UUU         UUU NNN         NNN    000000000     FFFFFFFFFFFFFF    FFFFFFFFFFFFFF
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
RRRRRRRRRRR       UUU         UUU NNN   NNN   NNN   000       000  FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRR       UUU         UUU NNN   NNN   NNN   000       000  FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRR       UUU         UUU NNN   NNN   NNN   000       000  FFFFFFFFFFF       FFFFFFFFFFF
RRR   RRR         UUU         UUU NNN      NNNNN    000       000  FFF               FFF
RRR   RRR         UUU         UUU NNN      NNNNN    000       000  FFF               FFF
RRR   RRR         UUU         UUU NNN      NNNNN    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     UUUUUUUUUUUUUUU NNN         NNN    000000000     FFF               FFF
RRR       RRR     UUUUUUUUUUUUUUU NNN         NNN    000000000     FFF               FFF
RRR       RRR     UUUUUUUUUUUUUUU NNN         NNN    000000000     FFF               FFF
```

GCC
V04

```
GGGGGGGG  BBBBBBBB    LL         DDDDDDDD      CCCCCCCC  LL
GGGGGGGG  BBBBBBBB    LL         DDDDDDD       CCCCCCC   LL
GG          BB    BB  LL         DD    DD   CC           LL
GG          BB    BB  LL         DD    DD   CC           LL
GG          BB    BB  LL         DD    DD   CC           LL
GG          BBBBBBBB  LL         DD    DD   CC           LL
GG          BBBBBBBB  LL         DD    DD   CC           LL
GG  GGGGGG  BB    BB  LL         DD    DD   CC           LL
GG  GGGGGG  BB    BB  LL         DD    DD   CC           LL
GG      GG  BB    BB  LL         DD    DD   CC           LL
GG      GG  BB    BB  LL         DD    DD   CC           LL                  ....
  GGGGGG  BBBBBBBB  LLLLLLLLL  DDDDDDDD    CCCCCCCC  LLLLLLLLL               ....
  GGGGGG  BBBBBBBB  LLLLLLLLL  DDDDDDD     CCCCCCC   LLLLLLLLL               ....


LL           IIIIII      SSSSSSSS
LL           IIIIII      SSSSSSSS
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
LLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLL    IIIIII    SSSSSSSS
```

; R

;

GBLDCL - global data declarations
M 15
16-Sep-1984 00:37:05   VAX-11 Bliss-32 V4.0-742   Page 1
14-Sep-1984 13:06:29   [RUNOFF.SRC]GBLDCL.BLI;1   (1)

GCO
V04

```
   1    0001  0  %TITLE 'GBLDCL - global data declarations'
   2    0002  0  !<BLF/NOFORMAT>
   3    0003  0
   4    0004  0  MODULE gbldcl (IDENT = 'V04-000'
   5    0005  0              %BLISS32[, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE, NONEXTERNAL = LONG_RELATIVE)]
   6    0006  0              ) =
   7    0007  1  BEGIN
   8    0008  1
   9    0009  1  !<BLF/FORMAT>
  10    0010  1  !<BLF/LOWERCASE_USER>
  11    0011  1  !<BLF/UPPERCASE_KEY>
  12    0012  1  !<BLF/MACRO>
  13    0013  1  !
  14    0014  1  !
  15    0015  1  !***********************************************************************
  16    0016  1  !*                                                                     *
  17    0017  1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                           *
  18    0018  1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.            *
  19    0019  1  !*   ALL RIGHTS RESERVED.                                              *
  20    0020  1  !*                                                                     *
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  22    0022  1  !*   ONLY IN  ACCORDANCE  WITH  THE   TERMS  OF  SUCH  LICENSE  AND WITH THE  *
  23    0023  1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
  24    0024  1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
  25    0025  1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
  26    0026  1  !*   TRANSFERRED.                                                       *
  27    0027  1  !*                                                                     *
  28    0028  1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
  29    0029  1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
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  31    0031  1  !*                                                                     *
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  33    0033  1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.            *
  34    0034  1  !*                                                                     *
  35    0035  1  !*                                                                     *
  36    0036  1  !***********************************************************************
  37    0037  1  !
  38    0038  1
  39    0039  1  !++
  40    0040  1  !  FACILITY:
  41    0041  1  !    DSR (Digital Standard RUNOFF) /DSRPLUS DSRTOC/CONTENTS Utility
  42    0042  1  !
  43    0043  1  !  ABSTRACT:
  44    0044  1  !    Global data declarations
  45    0045  1  !
  46    0046  1  !  ENVIRONMENT:   Transportable
  47    0047  1  !
  48    0048  1  !  AUTHOR:       JPK
  49    0049  1  !
  50    0050  1  !  CREATION DATE: March 1982
  51    0051  1  !
  52    0052  1  !  MODIFIED BY:
  53    0053  1  !
  54    0054  1  !       003     JPK00007        14-Feb-1983
  55    0055  1  !               Global edit of all sources for CONTENTS/DSRTOC:
  56    0056  1  !               - module names are now consistant with file names
  57    0057  1  !               - copyright dates have been updated
```

```
  58   0058  1 !             - facility names have been updated
  59   0059  1 !             - revision history was updated to be consistant with DSR/DSRPLUS
  60   0060  1 !
  61   0061  1 !     002     JPK00004          11-Feb-1983
  62   0062  1 !             Changed the global variable name INDENT to LINE_INDENT in
  63   0063  1 !             modules CONTENTS, CAPTION, FORMAT and GBLDCL.
  64   0064  1 !             Removed declarations of PDENTS in modules CNTVMS, CONTENTS,
  65   0065  1 !             and CAPTION and replaced with a module wide BIND using the
  66   0066  1 !             new name INDENTS.
  67   0067  1 !             Changed handling of INDENTS [1]. It no longer represents the
  68   0068  1 !             sum of the chapter and title indents.
  69   0069  1 !
  70   0070  1 !--
  71   0071  1 !
  72   0072  1 !
  73   0073  1 ! INCLUDE FILES:
  74   0074  1 !
  75   0075  1 !
  76   0076  1 LIBRARY 'NXPORT:XPORT';
  77   0077  1 !
  78   0078  1 REQUIRE 'REQ:PAGEN';                                ! Page reference format
  79   0159  1 !
  80   0160  1 REQUIRE 'REQ:CNTCLI';                               ! Command line information block formats
  81   0288  1 !
  82   0289  1 !
  83   0290  1 ! MACROS:
  84   0291  1 !
  85   0292  1 !
  86   0293  1 ! EQUATED SYMBOLS:
  87   0294  1 !
  88   0295  1 !
  89   0296  1 ! GLOBAL STORAGE:
  90   0297  1 !
  91   0298  1 !
  92   0299  1 GLOBAL
  93   0300  1     cmdblk : $contents_cmd,                         ! Command line information block
  94   0301  1     tocoob : $xpo_iob (),                           ! IOB for the resulting .RNT file
  95   0302  1     stciob : $xpo_iob (),                           ! IOB for send toc temp file
  96   0303  1     chrout,                                         ! Number of characters written to output file
  97   0304  1     tmpstr : $str_descriptor (class = dynamic, string = (0, 0)), ! For temporary strings
  98   0305  1     txtlen,                                         ! Length of input text.
  99   0306  1     hl_n,                                           ! "n" from latest .HL n command
 100   0307  1     hllist : VECTOR [100],                          ! Header level counters
 101   0308  1     hldsp : VECTOR [100],                           ! Header level display characteristics
 102   0309  1     major,                                          ! Major record type code
 103   0310  1     minor,                                          ! Minor record type code
 104   0311  1     pagen : page_definition,                        ! Current page number.
 105   0312  1     nxtstc,                                         ! Next SEND TOC "n" value to process
 106   0313  1     rnc_ex : $str_descriptor (string = 'EXAMPLES'),     ! String constant
 107   0314  1     rno_fg : $str_descriptor (string = 'FIGURES'),      ! String constant
 108   0315  1     rno_tb : $str_descriptor (string = 'TABLES'),       ! String constant
 109   0316  1     tms_ex : $str_descriptor (string = 'Examples'),     ! String constant
 110   0317  1     tms_fg : $str_descriptor (string = 'Figures'),      ! String constant
 111   0318  1     tms_tb : $str_descriptor (string = 'Tables'),       ! String constant
 112   0319  1     prestr : $str_descriptor (class = dynamic, string = (0, 0)), ! Caption prefix
 113   0320  1     sfxstr : $str_descriptor (class = dynamic, string = (0, 0)), ! Caption suffix
 114   0321  1     lp,                                             ! CH$PTR along line being built up
```

```
115    0322  1        intlin,                            ! Number of characters needed to represent text
116    0323  1        extlin,                            ! Number of resulting print positions
117    0324  1        line : VECTOR [CH$ALLOCATION (10000)],   ! Buffer in which line is being built up.
118    0325  1        lenpag,                            ! Number of characters in the converted page number.
119    0326  1        txtpag : VECTOR [CH$ALLOCATION (50)],    ! The text (lots of room)
120    0327  1        ptrpag,                            ! A CH$PTR (working pointer)
121    0328  1        lensct,                            ! Number of characters in the converted section number
122    0329  1        txtsct : VECTOR [CH$ALLOCATION (150)],   ! The text (lots of room)
123    0330  1        ptrsct,                            ! A CH$PTR (working pointer)
124    0331  1        rmargin,                           ! Used by ENDWRD for controlling filling lines.
125    0332  1        wrap,                              ! Wrap long lines around to here.
126    0333  1        line_indent;                       ! Assume this standard indentation before the text.
127    0334  1
128    0335  1 END                                       ! End of module
129    0336  0 ELUDOM
```

```
                                                  .TITLE   GBLDCL GBLDCL - global data declarations
                                                  .IDENT   \V04-000\

                                                  .PSECT   $SPLIT$,NOWRT,NOEXE,2

        53 45 4C 50 4D 41 58 45   00000 P.AAA:   .ASCII   \EXAMPLES\
           53 45 52 55 47 49 46   00008 P.AAB:   .ASCII   \FIGURES\
              53 45 4C 42 41 54   0000F P.AAC:   .ASCII   \TABLES\
        73 65 6C 70 6D 61 78 45   00015 P.AAD:   .ASCII   \Examples\
           73 65 72 75 67 69 46   0001D P.AAE:   .ASCII   \Figures\
              73 65 6C 62 61 54   00024 P.AAF:   .ASCII   \Tables\

                                                  .PSECT   $GLOBAL$,NOEXE,2

                            00000 CMDBLK::.BLKB    92
                            0005C TOCOOB::.BLKB    244
                            00150 STCIOB::.BLKB    244
                            00244 CHROUT::.BLKB    4
                     0000   00248 TMPSTR::.WORD    0
                    02 0E   0024A          .BYTE   14, 2
                 00000000   0024C          .LONG   0
                            00250 TXTLEN::.BLKB    4
                            00254 HL_N:: .BLKB    4
                            00258 HLLIST::.BLKB    400
                            003E8 HLDSP::.BLKB    400
                            00578 MAJOR::.BLKB    4
                            0057C MINOR::.BLKB    4
                            00580 PAGEN::.BLKB    16
                            00590 NXTSTC::.BLKB    4
                     0008   00594 RNO_EX::.WORD    8
                    01 0E   00596          .BYTE   14, 1
                 00000000'  00598          .ADDRESS P.AAA
                     0007   0059C RNO_FG::.WORD    7
                    01 0E   0059E          .BYTE   14, 1
                 00000000'  005A0          .ADDRESS P.AAB
                     0006   005A4 RNO_TB::.WORD    6
                    01 0E   005A6          .BYTE   14, 1
                 00000000'  005A8          .ADDRESS P.AAC
                     0008   005AC TMS_EX::.WORD    8
                    01 0E   005AE          .BYTE   14, 1
```

```
                                         00000000'  005B0           .ADDRESS P.AAD
                                             0007   005B4  TMS_FG::.WORD    7
                                             01 0E  005B6           .BYTE   14, 1
                                         0C000000'  005B8           .ADDRESS P.AAE
                                             0006   005BC  TMS_TB::.WORD    6
                                             01 0E  0059E           .BYTE   14, 1
                                         00000000'  005C0           .ADDRESS P.AAF
                                             0000   005C4  PRESTR::.WORD    0
                                             02 0E  005C6           .BYTE   14, 2
                                         00000000   005C8           .LONG   0
                                             0000   005CC  SFXSTR::.WORD    0
                                             02 0E  005CE           .BYTE   14, 2
                                         00000000   005D0           .LONG   0
                                                    005D4  LP::    .BLKB   4
                                                    005D8  INTLIN::.BLKB   4
                                                    005DC  EXTLIN::.BLKB   4
                                                    005E0  LINE::  .BLKB   10000
                                                    02CF0  LENPAG::.BLKB   4
                                                    02CF4  TXTPAG::.BLKB   52
                                                    02D28  PTRPAG::.BLKB   4
                                                    02D2C  LENSCT::.BLKB   4
                                                    02D30  TXTSCT::.BLKB   152
                                                    02DC8  PTRSCT::.BLKB   4
                                                    02DCC  RMARGIN::
                                                                   .BLKB   4
                                                    02DD0  WRAP::   .BLKB   4
                                                    02DD4  LINE_INDENT::
                                                                   .BLKB   4
```

PSECT SUMMARY

Name	Bytes	Attributes
$GLOBAL$	11736	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
$PLIT$	42	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Total	-------- Symbols -------- Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[SYSLIB]XPORT.L32;1	590	118	20	252	00:00.1

COMMAND QUALIFIERS

```
;          BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:GBLDCL/OBJ=OBJ$:GBLDCL MSRC$:GBLDCL/UPDATE=(ENH$:GBLDCL)

; Size:          0 code + 11778 data bytes
; Run Time:         00:14.0
; Elapsed Time:     00:30.4
; Lines/CPU Min:     1436
; Lexemes/CPU-Min: 98638
; Memory Used:  85 pages
; Compilation Complete
```

FIND
LIS

ENDWRD   ERROR   FIGURE
LIS   LIS   LIS

FLGSEM   FOOFIL
LIS   LIS

GCODE
LIS

FCIMRA
LIS

FNONLY
LIS

FUNFNJ   FOOBOT
LIS   LIS

GBLDCL
LIS

FNDFLG
LIS

FOOOUT   FORMAT
LIS   LIS