```
RRRRRRRRRRRR       UUU          UUU  NNN          NNN    OOOOOOOOO      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN          NNN   OOOOOOOOO      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN          NNN   OOOOOOOOO      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRR         RRR    UUU          UUU  NNN          NNN  OOO      OOO    FFF               FFF
RRR         RRR    UUU          UUU  NNN          NNN  OOO      OOO    FFF               FFF
RRR         RRR    UUU          UUU  NNN          NNN  OOO      OOO    FFF               FFF
RRR         RRR    UUU          UUU  NNNNNN       NNN  OOO      OOO    FFF               FFF
RRR         RRR    UUU          UUU  NNNNNN       NNN  OOO      OOO    FFF               FFF
RRRRRRRRRRRR       UUU          UUU  NNN    NNN   NNN  OOO      OOO    FFFFFFFFFFFF      FFFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN    NNN   NNN  OOO      OOO    FFFFFFFFFFFF      FFFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN    NNN   NNN  OOO      OOO    FFFFFFFFFFFF      FFFFFFFFFFFF
RRR    RRR         UUU          UUU  NNN       NNNNN   OOO      OOO    FFF               FFF
RRR    RRR         UUU          UUU  NNN       NNNNN   OOO      OOO    FFF               FFF
RRR     RRR        UUU          UUU  NNN          NNN  OOO      OOO    FFF               FFF
RRR        RRR     UUU          UUU  NNN          NNN  OOO      OOO    FFF               FFF
RRR         RRR    UUU          UUU  NNN          NNN  OOO      OOO    FFF               FFF
RRR         RRR     UUU        UUU   NNN          NNN   OOO      OOO    FFF               FFF
RRR         RRR     UUUUUUUUUUUUUUU  NNN          NNN   OOOOOOOOO      FFF               FFF
RRR         RRR     UUUUUUUUUUUUUUU  NNN          NNN   OOOOOOOOO      FFF               FFF
```

FILEID**GBLDCL

```
   GGGGGGG    BBBBBBBB   LL          DDDDDDD       CCCCCCCC  LL
   GGGGGGG    BBBBBBBB   LL          DDDDDDD       CCCCCCCC  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    GGGGG    BB     BB  LL          DD     DD  CC          LL
GG    GGGGG    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   LLLLLLLLLL  DDDDDDD       CCCCCCCC  LLLLLLLLLL    ....
   GGGGGG    BBBBBBBB   LLLLLLLLLL  DDDDDDD       CCCCCCCC  LLLLLLLLLL    ....

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
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

GCC
V04

; R

;

```
    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.                                                      *
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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.                                                              *
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   29    0029   1  !*    AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT     *
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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
```

N 15

GBLDCL   GBLDCL - global data declarations   16-Sep-1984 00:37:05   VAX-11 Bliss-32 V4.0-742   Page 2
V04-000   14-Sep-1984 13:06:29   [RUNOFF.SRC]GBLDCL.BLI;1   (1)

```
 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     rno_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 pcsitions
:  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  0C01D 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
                              C0258 HL_IST::.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
```

GBLDCL   GBLDCL - global data declarations   C 16
V04-000   16-Sep-1984 00:37:05   VAX-11 Bliss-32 V4.0-742   Page 4
                                             14-Sep-1984 13:06:29   [RUNOFF.SRC]GBLDCL.BLI;1   (1)

```
            00000000'  005B0           .ADDRESS  P.AAD
                0007   005B4 TMS_FG::.WORD    7
             01   0E   005B6           .BYTE    14, 1
            00000000'  005B8           .ADDRESS  P.AAE
                0006   005BC TMS_TB::.WORD    6
             01   0E   005BE           .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	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
LIS

ERROR
LIS

FIGURE
LIS

FLGSEM
LIS

FOOFIL
LIS

GCODE
LIS

FCIMRA
LIS

FNONLY
LIS

FJNFNJ
LIS

FOOBOT
LIS

GBLDCL
LIS

FNDFLG
LIS

FOOOUT
LIS

FORMAT
LIS