```
RRRRRRRRRRRR        UUU           UUU  NNN          NNN   000000000    FFFFFFFFFFFFFF   FFFFFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU  NNN          NNN   000000000    FFFFFFFFFFFFFF   FFFFFFFFFFFFFF
RRRRRRRRRRRR        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
RRRRRRRRRRRR        UUU           UUU  NNN   NNN    NNN   000      000  FFFFFFFFFFF      FFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU  NNN   NNN    NNN   000      000  FFFFFFFFFFF      FFFFFFFFFFF
RRRRRRRRRRRR        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         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       UUUUUUUUUUUUUUUUU  NNN          NNN    000000000    FFF              FFF
RRR       RRR       UUUUUUUUUUUUUUUUU  NNN          NNN    000000000    FFF              FFF
RRR       RRR       UUUUUUUUUUUUUUUUU  NNN          NNN    000000000    FFF              FFF
```

```
CCCCCCC  NN      NN  TTTTTTTTTT  CCCCCCC  LL          IIIIII
CCCCCCC  NN      NN  TTTTTTTTTT  CCCCCCC  LL          IIIIII
CC       NN      NN      TT      CC       LL            II
CC       NN      NN      TT      CC       LL            II
CC       NNNN    NN      TT      CC       LL            II
CC       NN NN   NN      TT      CC       LL            II
CC       NN  NN  NN      TT      CC       LL            II
CC       NN   NNNN       TT      CC       LL            II
CC       NN    NNNN      TT      CC       LL            II
CC       NN      NN      TT      CC       LL            II      ....
CC       NN      NN      TT      CC       LL            II      ....
CCCCCCC  NN      NN      TT      CCCCCCC  LLLLLLLLL  IIIIII     ....
CCCCCCC  NN      NN      TT      CCCCCCC  LLLLLLLLL  IIIIII     ....

RRRRRRR  EEEEEEEEEE    QQQQQQ
RRRRRRR  EEEEEEEEEE    QQQQQQ
RR    RR EE         QQ      QQ
RR    RR EE         QQ      QQ
RR    RR EE         QQ      QQ
RRRRRRR  EEEEEEE    QQ      QQ
RRRRRRR  EEEEEEE    QQ      QQ
RR  RR   EE         QQ  QQ  QQ
RR  RR   EE         QQ  QQ  QQ
RR   RR  EE         QQ    QQ
RR   RR  EE         QQ    QQ
RR    RR EEEEEEEEEE    QQQQ QQ
RR    RR EEEEEEEEEE    QQQQ QQ
```

Version: 'V04-000'

```
!++
! FACILITY:
!   DSR (Digital Standard RUNOFF) /DSRPLUS DSRTOC/CONTENTS Utility
!
! ABSTRACT:
!   CONTENTS Command Line Data Structure Definitions
!
! ENVIRONMENT:  Transportable
!
! AUTHOR:      JPK
!
! CREATION DATE: April 1982
!
! MODIFIED BY:
!
!     005    JPK00007        14-Feb-1983
!            Global edit of all sources for CONTENTS/DSRTOC:
!            - module names are now consistant with file names
!            - copyright dates have been updated
!            - facility names have been updated
!            - revision history was updated to be consistant with DSR/DSRPLUS
!
!     004    JPK00002        10-Feb-1983
!            Merged in change KFA00002 to modules CNTVMS, CNTCLIDMP and
!            CNTCLI.REQ. This change was done without reserving and
!            replacing the files in the CMS Library. This work involved
!            replacing CONTENTS$G_LM_INDENT, CONTENTS$G_HL1_INDENT through
!            CONTENTS$G_HL6_INDENT and CONTENTS$G_HLN_INDENT with
!            CONTENTS$AG_HL_INDENT.
```

```
!              CONTENTS$V TEX was removed - it was no longer needed.
!              Changed /TMS to /FORMAT={DSR | TMS}.
!              Added code for /DOUBLE_SPACE.
!
!       003    RER00002          20-Jan-1983
!              Modified CNTVMS and CNTCLI.REQ to add new fields for new and
!              expanded qualifiers:
!              CONTENTS$V_TEX - for tex output,
!              CONTENTS$G_DOUBLE_SPACE - for /DOUBLE_SPACE,
!              CONTENTS$G_HL2_INDENT through CONTENTS$G_HL6_INDENT for /INDENT.
!
!       002    KFA00002          14-Oct-1982
!              Modified CNTVMS, CONTENTS, CAPTION and CNTCLI.REQ to handle
!              new syntax for /INDENT qualifier. All indents are now
!              stored in the vector CMDBLK [CONTENTS$AG_HL_INDENT []],
!              where 0 = chapter indent, 1 = header level one indent, etc.
!
!--


!
!   Contents command fields:
!
$field contents_cmd_fields =
    SET

    contents$v_options           = [$short_integer],      ! Command option indicators:

        $overlay (contents$v_options)

        contents$v_output               = [$bit],         ! Generate output file
        contents$v_tms11                = [$bit],         ! Generate TMS11 output
        contents$v_require              = [$bit],         ! Require file specified
        contents$v_standard_page        = [$bit],         ! Use section type page numbers
        contents$v_include_sections     = [$bit],         ! Include section numbers in entry
        contents$v_log                  = [$bit],         ! Generate /LOG message

        $continue

    contents$h_leader            = [$short_integer],      ! Align to next fullword

        $overlay (contents$h_leader)

        contents$c_leader_char = [$string(1)],            ! Leader dot character

        $continue

    contents$g_headers           = [$integer],            ! Deepest header level to include
    contents$g_page_level        = [$integer],            ! Deepest level to include page references
    contents$g_underline         = [$integer],            ! Deepest level to include underlining
    contents$g_bold              = [$integer],            ! Deepest level to include bolding
    contents$g_sections          = [$integer],            ! Deepest level to include section numbers
    contents$g_page_width        = [$integer],            ! Page width (for RUNOFF only)
    contents$g_double_space      = [$integer],            ! Double space value
    contents$ag_hl_indent        = [$sub_block (7)],      ! Left margin and HL 1-6 indents
    contents$t_input_file        = [$descriptor(dynamic)], ! Input file name descriptor
    contents$t_output_file       = [$descriptor(dynamic)], ! Output file name descriptor
```

```
    contents$t_require_file      = [$descriptor(dynamic)], ! Require file name descriptor
    contents$t_command_line      = [$descriptor(dynamic)]  ! Copy of entire command line

    TES;

! End of contents_cmd_fields

LITERAL
    contents_cmd$k_length = $field_set_size;

MACRO
    $contents_cmd = BLOCK [contents_cmd$k_length] FIELD (contents_cmd_fields) %;

!
!--     End of CNTCLI.REQ
```

ATCODE
REQ

CLHOPS
REQ

BIGNUM
REQ

BOOL
REQ

CLIST
REQ

VMSRT
LIS

RTVMSPEC
LIS

BPOSIT
REQ

CNTCLI
REQ

RUNOFF

RUNOFF
MAP

BRNRTY
REQ

DSRINDEX
MAP

ARECCC
REQ

DSRTOC
MAP

CLHCC
REQ