```
RRRRRRRRRRRR       UUU            UUU  NNN        NNN     000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFFF
RRRRRRRRRRRR       UUU            UUU  NNN        NNN     000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFFF
RRRRRRRRRRRR       UUU            UUU  NNN        NNN     000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFFF
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
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     NNNNNN     000      000   FFF               FFF
RRR    RRR         UUU            UUU  NNN     NNNNNN     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
```

```
DDDDDDDD      SSSSSSSS   RRRRRRRR   LL              IIIIII    BBBBBBBB
DDDDDDDD      SSSSSSSS   RRRRRRRR   LL              IIIIII    BBBBBBBB
DD      DD    SS         RR     RR  LL                II      BB      BB
DD      DD    SS         RR     RR  LL                II      BB      BB
DD      DD    SS         RR     RR  LL                II      BB      BB
DD      DD    SS         RR     RR  LL                II      BB      BB
DD      DD    SSSSSS     RRRRRRRR   LL                II      BBBBBBBB
DD      DD    SSSSSS     RRRRRRRR   LL                II      BBBBBBBB
DD      DD        SS     RR  RR     LL                II      BB      BB
DD      DD        SS     RR  RR     LL                II      BB      BB
DD      DD        SS     RR   RR    LL                II      BB      BB   ....
DD      DD        SS     RR   RR    LL                II      BB      BB   ....
DDDDDDDD      SSSSSSSS    RR    RR   LLLLLLLLLL   IIIIII    BBBBBBBB   ....
DDDDDDDD      SSSSSSSS    RR    RR   LLLLLLLLLL   IIIIII    BBBBBBBB   ....
```

```
RRRRRRRR   EEEEEEEEEE    QQQQQQ
RRRRRRRR   EEEEEEEEEE    QQQQQQ
RR     RR  EE          QQ      QQ
RR     RR  EE          QQ      QQ
RR     RR  EE          QQ      QQ
RR     RR  EE          QQ      QQ
RRRRRRRR   EEEEEEEE     QQ      QQ
RRRRRRRR   EEEEEEEE     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
```

K 1

Version: 'V04-000'

```
!****************************************************************************
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```

```
!++
! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS

!  DSRLIB.REQ requires in almost all Require files used by DSR and DSRPLUS.
!  It is used to build both DSRLIB.L-- and DPLLIB.L--, which are used (via
!  a conditionalized LIBRARY statement) by almost all modules in the DSR /
!  DSRPLUS code.

!  The remaining REQUIRE statements in the code occur in RNFERM.BLI, which
!  requires MSGTXT.REQ, and in LP1.BLI, which requires RUNTAB.REQ.

! ENVIRONMENT: Transportable BLISS

! AUTHOR:      Keith Dawson    CREATION DATE:  March 1983

! MODIFIED BY:

!     008     REM00008        Ray Marshall    4-June-1984
!             Added a SWITCHES declaration to cause the expansion of the
!              .REQ files.

!     007     KAD00007        Keith Dawson    9-May-1983
!             Remove support for .DX, .PX.

!     006     KAD00006        Keith Dawson    13-Apr-1983
!             Added conditionals on CREFDS, GTOKCC, KEYWORD.

!     005     KAD00005        Keith Dawson    7-Apr-1983
!             Added require files GTOKCC, KWTDEF (omitted by accident)
```

```
 004      KAD00004          Keith Dawson    6-Apr-1983
          Added require files for cross-referencing (KEYWORD, CREFDS),
             final-output modifications (PASS).

 003      RER00003          Ron Randall     04-Apr-1983
          For DSRPLUS:  Added topnote require files (TNREC, TOPNOT).

 002      KAD00002          Keith Dawson    17-Mar-1983
          Conditionalized 6 DSRPLUS-only Require files on the DSRPLUS
             variant.
```

```
LIBRARY 'NXPORT:XPORT';

%IF (%VARIANT/2) %THEN
LIBRARY 'REQ:RNODEFDPL';            ! Define /VARIANT macros
%ELSE
LIBRARY 'REQ:RNODEFDSR';            ! Define /VARIANT macros
%FI

SWITCHES LIST (REQUIRE);            ! This declaration causes the remaining files
                                    ! to be expanded in the listing
!
! The following files are used by some of the Require files to come.
!
REQUIRE 'REQ:MAXIMA.REQ';           ! Maximum values on some DSR / DSRPLUS parameters.
REQUIRE 'REQ:BPOSIT.REQ';           ! Macro to return the bit position part of a field definition.
REQUIRE 'REQ:CLIST.REQ';            ! CL... (counted list) items
REQUIRE 'REQ:LSTBTS.REQ';           ! BAR__, CND__, ISQ__, & RIT__
REQUIRE 'REQ:NBITS.REQ';            ! More "__" bit definitions for a few flags
REQUIRE 'REQ:PAGEN.REQ';            ! SCT_... and PAGE_DEFINITION macros

REQUIRE 'REQ:ARECCC.REQ';           ! AREC completion codes.
REQUIRE 'REQ:ATCODE.REQ';           ! ATABLE entry codes.

%IF DSRPLUS %THEN
REQUIRE 'REQ:ATTCC.REQ';            ! Completion codes for routines in ATTRIB
%FI

REQUIRE 'REQ:BOOL.REQ';             ! TRUE & FALSE literals (only)
REQUIRE 'REQ:BRNRTY.REQ';           ! .BRN-format binary file record def's.
REQUIRE 'REQ:CLHCC.REQ';            ! CLH_... status return codes
REQUIRE 'REQ:CLHOPS.REQ';           ! CLH_... operation codes
REQUIRE 'REQ:CONVRT.REQ';           ! TCONVRT_... def's (string conversion codes)

%IF DSRPLUS %THEN
REQUIRE 'REQ:CREFDS.REQ';           ! Cross-referencing data structures
%FI

REQUIRE 'REQ:DIGIT.REQ';            ! Macro to test if a character is a digit
!! REQUIRE 'REQ:DMDEFS.REQ';        ! Dynamic-memory management definitions
REQUIRE 'REQ:ECC.REQ';              ! Definitions for the Entity Counter/Caption Area
REQUIRE 'REQ:FFDEFS.REQ';           ! FOO_... opcodes and status values for FOOFIL
REQUIRE 'REQ:FLGT.REQ';             ! FLaG Table items
REQUIRE 'REQ:FLIPCHARS.REQ';        ! FLIP$K_... special characters
REQUIRE 'REQ:FLIPRECS.REQ';         ! FLIP macro, record, & field definitions and MAX_LEVELS.
REQUIRE 'REQ:FNCT.REQ';             ! Footnote control table
REQUIRE 'REQ:FOOREC.REQ';           ! FOOREC_... items (for FN record headers)
REQUIRE 'REQ:FRMSTK.REQ';           ! Codes for .LS & .NT context save stack
REQUIRE 'REQ:FSPACK.REQ';           ! FIXED_STRING structure & FS_... macros
REQUIRE 'REQ:GCA.REQ';              ! GCA (General Control Array) definitions
REQUIRE 'REQ:GETQSC.REQ';           ! GETQ_... Completion codes
REQUIRE 'REQ:GNCC.REQ';             ! Completion codes returned by GNAME.
REQUIRE 'REQ:GSLUCC.REQ';           ! GSLU_... Completion codes

%IF DSRPLUS %THEN
REQUIRE 'REQ:GTOKCC.REQ';           ! GT_... Completion codes
%FI
```

```
REQUIRE 'REQ:HCT.REQ';          !  HCT_.... (Heading Control Table) & LAYOUT_....
REQUIRE 'REQ:HLC.REQ';          !  HLC_.... (Header Level Control) area items
REQUIRE 'REQ:IFSTK.REQ';        !  IFSTK.... stack for nested .IFs
REQUIRE 'REQ:INDEX.REQ';        !  Structures used by the indexing command
REQUIRE 'REQ:IRAC.REQ';         !  IRAC_.... structure Macros & Literal
REQUIRE 'REQ:KC.REQ';           !  Definition of macros: KCNS, KCS, & TISF

%IF DSRPLUS %THEN
REQUIRE 'REQ:KEYWORD.REQ';      !  Keyword-table definitions
%FI

REQUIRE 'REQ:KWITEM.REQ';       !  Macros to access command-keyword fields

%IF DSRPLUS %THEN
REQUIRE 'REQ:KWS.REQ';          !  Definitions for the Attribute Keyword Structure
REQUIRE 'REQ:KWSCON.REQ';       !  Definitions for .SEND CONTENTS keywords
REQUIRE 'REQ:KWSTYL.REQ';       !  KWS$... keyword definitions for .STYLE <e|f|t|h>
REQUIRE 'REQ:KWTDEF.REQ';       !  KW$PDP..., KW$PDM keyword definitions for $$entities
REQUIRE 'REQ:KWXPYP.REQ';       !  KWX$... keyword definitions for .XP, .YP, .ENA XP
%FI

REQUIRE 'REQ:LETTER.REQ';       !  Alpha testing and case changing macros
REQUIRE 'REQ:LODEFS.REQ';       !  Literal definitions of LSTOPS operations
REQUIRE 'REQ:MSG.REQ';          !  Macros used in error messages
REQUIRE 'REQ:NDXRTY.REQ';       !  .BIX-format binary file record definitions

%IF DSRPLUS %THEN
REQUIRE 'REQ:NDXXPL.REQ';       !  .XPLUS attribute-structure record definitions
%FI

REQUIRE 'REQ:NMLST.REQ';        !  NMLST_...., NM_...., and NUMBER_LIST
REQUIRE 'REQ:NUMPRM.REQ';       !  NUM_... values returned from GETNUM
REQUIRE 'REQ:OPDEV.REQ';        !  OP_DEV_... literals: type of output device
REQUIRE 'REQ:OUTOPT.REQ';       !  OUTOPT_... output control vector elements
REQUIRE 'REQ:PASS.REQ';         !  PASS_...., EMPH_... definitions for final output
REQUIRE 'REQ:PDT.REQ';          !  PDT_... paragraph definition items
REQUIRE 'REQ:PHDEF.REQ';        !  PHAN_... macros & literal
REQUIRE 'REQ:RNOMAC.REQ';       !  RNO$... command line table items
REQUIRE 'REQ:RUNHAN.REQ';       !  H_.... directive literals
REQUIRE 'REQ:SAVE.REQ';         !  Save and Restore definitions
REQUIRE 'REQ:SAVSTK.REQ';       !  Save and Restore stack
REQUIRE 'REQ:SCA.REQ';          !  SCA_... Scanner and translator control items
REQUIRE 'REQ:SETCAS.REQ';       !  Case control literals
REQUIRE 'REQ:TOCRTY.REQ';       !  TOC record type definitions (MAJ_ & MIN_)

%IF DSRPLUS %THEN
REQUIRE 'REQ:TNFDEFS.REQ';      !  TN_... opcodes and status values for TNFIL
REQUIRE 'REQ:TNREC.REQ';        !  TNREC_... items (for topnote record headers)
REQUIRE 'REQ:TOPNOT.REQ';       !  Topnote control table
%FI

REQUIRE 'REQ:TPROB.REQ';        !  Completion codes returned by TPROBE routine
REQUIRE 'REQ:TSF.REQ';          !  TSF_ (Text so far) macro definitions
REQUIRE 'REQ:VR.REQ';           !  VR_... & VR*_DEF for .VR and conditionals
!! REQUIRE 'REQ:XTNTAB.REQ';    !  In-core index table & entry definitions
```

! End of DSRLIB.REQ

CONVRT
REQ

FRMSTK
REQ

GETQSC
REQ

NDXCLI
REQ

NDXRTY
REQ

ECC
REQ

KWITEM
REQ

PHDEF
REQ

RUNTAB
REQ

FLIPRECS
REQ

FNCT
REQ

GNCC
REQ

IFSTK
REQ

LSTOPS
REQ

OUTOPT
REQ

DIGIT
REQ

FSPACK
REQ

NDXXPL
REQ

MAXIMA
REQ

POOL
REQ

RUNHAN
REQ

DMDEFS
REQ

FFDEFS
REQ

GSLUCC
REQ

INDEX
REQ

NDXLIN
REQ

PAGEN
REQ

LEYTER
REQ

NMLST
REQ

FOOFIL
REQ

GCA
REQ

MSG
REQ

RNODEF
REQ

DSRLIB
REQ

FLGT
REQ

HCT
REQ

IRAC
REQ

NDXPOL
REQ

PASS
REQ

LODEFS
REQ

NUMPRM
REQ

FOOREC
REQ

MSGTXT
REQ

NBITS
REQ

KC
REQ

PDT
REQ

RNOMAC
REQ

FLIPCHARS
REQ

HLC
REQ

LSTBTS
REQ

OPDEV
REQ