```
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
RRR        RRR      UUU           UUU  NNNNNN       NNN   000        000      FFF                FFF
RRRRRRRRRRRR        UUU           UUU  NNN   NNN    NNN   000        000      FFFFFFFFFFFF       FFFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU  NNN   NNN    NNN   000        000      FFFFFFFFFFFF       FFFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU  NNN   NNN    NNN   000        000      FFFFFFFFFFFF       FFFFFFFFFFFF
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      UUUUUUUUUUUUUUUUU  NNN          NNN     000000000        FFF                FFF
RRR        RRR      UUUUUUUUUUUUUUUUU  NNN          NNN     000000000        FFF                FFF
RRR        RRR      UUUUUUUUUUUUUUUUU  NNN          NNN     000000000        FFF                FFF
```

```
MM      MM   SSSSSSSS    GGGGGGGG
MM      MM   SSSSSSSS    GGGGGGGG
MMMM  MMMM   SS          GG
MMMM  MMMM   SS          GG
MM  MM  MM   SS          GG
MM  MM  MM   SS          GG
MM      MM   SSSSSS      GG
MM      MM    SSSSSS     GG
MM      MM        SS   GG  GGGGGG
MM      MM        SS   GG  GGGGGG
MM      MM        SS   GG      GG   ....
MM      MM        SS   GG      GG   ....
MM      MM   SSSSSSS    GG  GGGGGG   ....
MM      MM   SSSSSSS    GG  GGGGG    ....


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   FI RR EEEEEEEEEE     QQQQ  QQ
```

```
! Version:      'V04-000'

!*********************************************************************
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!

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

! ABSTRACT:
!      Defines macros used by error-message processing.

! ENVIRONMENT:  Transportable BLISS

! AUTHOR:       Rich Friday

! CREATION DATE: 1978

! MODIFIED BY:

!     002    KAD00002      Keith Dawson     07-Mar-1983
!            Global edit of all modules. Updated module names, idents,
!            copyright dates. Changed require files to BLISS library.
!--

MACRO
    msg (l, s) =

        BEGIN
        EXTERNAL ROUTINE
            filout;
    %IF %LENGTH EQL 1
    %THEN
            filout (-1, %CHARCOUNT(l), CH$PTR(UPLIT(l)))
```

```
    %ELSE
            filout (-1, l, s)
    %FI
        END
    %;
MACRO
    ermsg (s)=
        CH$PTR ( UPLIT (%STRING(%CHAR(%CHARCOUNT (s)),s)) )
    %;
MACRO
    bell =
        %CHAR(%O'07')
    %,

    del =
        %CHAR(%O'177')
    %;

!                       End of MSG.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

LETTER
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