```
RRRRRRRRRRRR     UUU         UUU  NNN         NNN     000000000     FFFFFFFFFFFFFFF  FFFFFFFFFFFFFFF
RRRRRRRRRRRR     UUU         UUU  NNN         NNN     000000000     FFFFFFFFFFFFFFF  FFFFFFFFFFFFFFF
RRRRRRRRRRRR     UUU         UUU  NNN         NNN     000000000     FFFFFFFFFFFFFFF  FFFFFFFFFFFFFFF
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      NNNNNN  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  UUUUUUUUUUUUUUU  NNN         NNN     000000000     FFF              FFF
RRR         RRR  UUUUUUUUUUUUUUU  NNN         NNN     000000000     FFF              FFF
RRR         RRR  UUUUUUUUUUUUUUU  NNN         NNN     000000000     FFF              FFF
```

```
TTTTTTTTTT    SSSSSSSS  FFFFFFFFFF
TTTTTTTTTT    SSSSSSSS  FFFFFFFFFF
    TT      SS          FF
    TT      SS          FF
    TT      SS          FF
    TT      SS          FF
    TT        SSSSSS    FFFFFFFF
    TT        SSSSSS    FFFFFFFF
    TT              SS  FF
    TT              SS  FF
    TT              SS  FF              ....
    TT              SS  FF              ....
    TT      SSSSSSSS    FF              ....
    TT      SSSSSSSS    FF              ....

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
```

```
CNT

REQ

%IF
%TH

MAC

%FI

EXTE
```

```
Version:      'V04-000'
```


```
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```
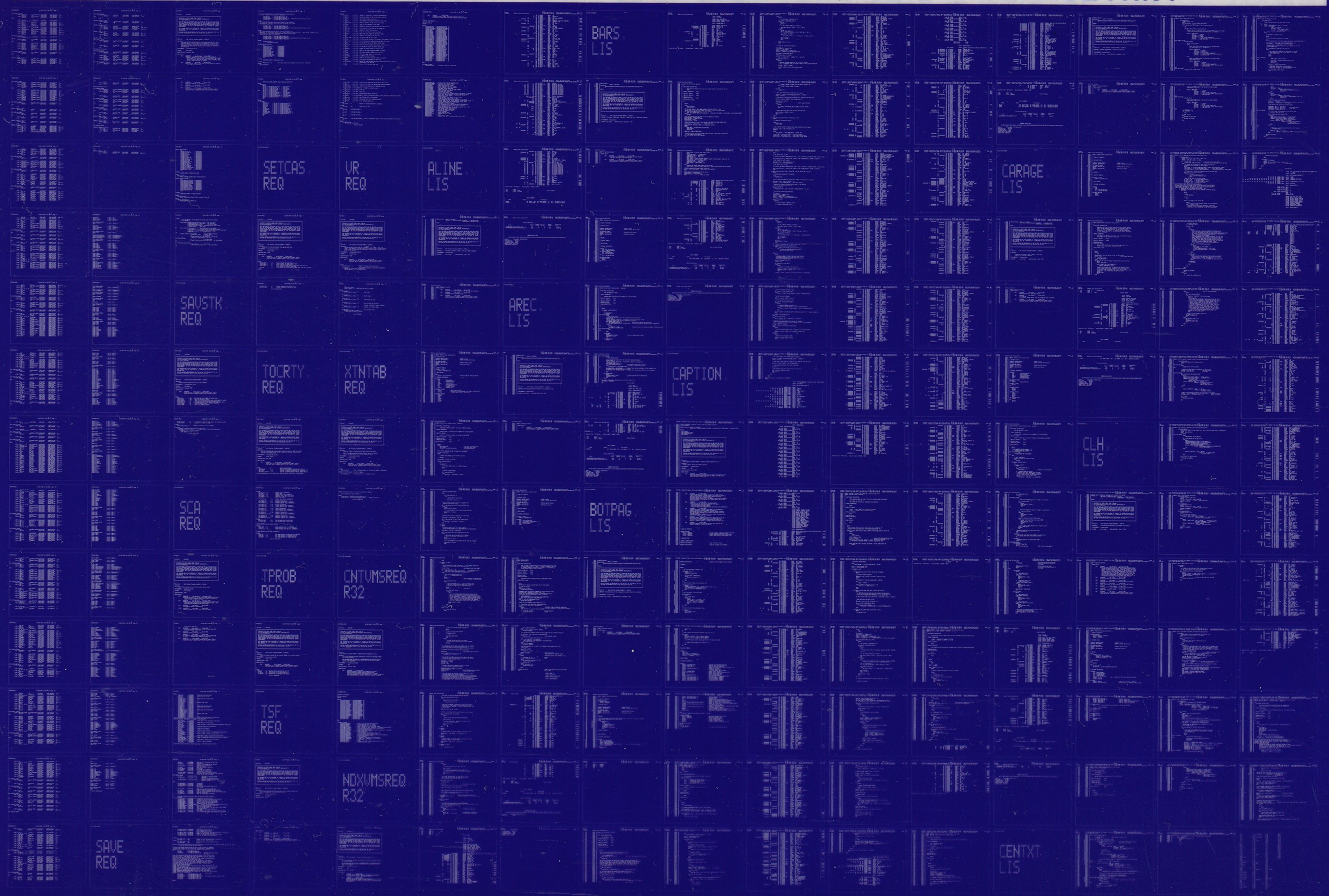


```
++
FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS

ABSTRACT:
      Definitions defining TSF (text so far). The information describes
      what is to happen to the line being built up.

ENVIRONMENT:   Transportable BLISS

AUTHOR:        Rich Friday

CREATION DATE: 1978
```

```
!
! MODIFIED BY:
!
!       007     KFA00007        Ken Alden       30-Jun-1983
!               Added TSF_CREF_COUNT.
!
!       006     REM00006        Ray Marshall    1-June-1983
!               Added TSF_CREF_DATA.
!
!       005     KAD00005        Keith Dawson    07-Mar-1983
!               Global edit of all modules. Updated module names, idents,
!               copyright dates. Changed require files to BLISS library.
!--
```

```
MACRO
    tsf_int_hl      = tsf [0]   !Number of characters, internal representation.
    %,
    tsf_ext_hl      = tsf [1]   !Resulting number of print positions, external.
    %,
    tsf_nbits       = tsf [2]   !Notes about underlining, etc.
    %,
    tsf_footw       = tsf [3]   !The number of footnotes attached to this line.
    %,
    tsf_seqn_flag   = tsf [4]   !TRUE if ISEQN is an SOS style line number.
    %,
    tsf_index       = tsf [5]   !TRUE if this belongs in the index.
    %,
    tsf_int_vl      = tsf [6]   !Number of characters representing carriage control.
    %,
    tsf_bar_char    = tsf [7]   !The character to be used as the change bar.
    %,
    tsf_jus_cnt     = tsf [8]   !Number of justification marks.
    %,
    tsf_justify     = tsf [9]   !True if the line is to be justified.
    %,
    tsf_adjust      = tsf [10]  !Move text this number of positions right.
    %,
    tsf_btc         = tsf [11]  !TRUE if this goes to the .BTC file.
    %,
    tsf_draft_flag  = tsf [12]  !The draft flag for this line.
    %,
    tsf_lines       = tsf [13]  !If this record is part of a footnote, the number of lines it generates.
    %,
    tsf_first_xtn   = tsf [14]  !First transaction number associated with this text.
    %,
    tsf_major       = tsf [14]  !If TSF_BTC is true, the major record type.
    %,
    tsf_last_xtn    = tsf [15]  !Last transaction number associated with this text.
    %,
    tsf_minor       = tsf [15]  !If TSF_BTC is true, the minor record type.
    %,
    tsf_padding     = tsf [16]  !Number of spaces needed to justify line.
    %,
    tsf_iseq        = tsf [17]  !TRUE if the input sequence number is wanted.
    %,
    tsf_iseqn       = tsf [18]  !The input sequence number for this line.
    %,
    tsf_ipagen      = tsf [19]  !The input page number for this line.
    %,
    tsf_filespec    = tsf [20]  !A CH$PTR to the file-spec.
    %,
    tsf_oseq        = tsf [21]  !TRUE if the output sequence number is wanted.
    %,
    tsf_oseqn       = tsf [22]  !The output line number for this line
    %,
    tsf_bold_depth  = tsf [23]  !Number of times bolded characters should be overstruck. Zero is
                                !equivalent to no bolding.
    %,
    tsf_text        = tsf [24]  !True, if TSF contains some text.
    %,
```

```
    tsf_just_alg    = tsf [25]  !Justification algorithm to be used on this line.
    %,
    tsf_xyplus      = tsf [26]  !True if this line is an XPLUS/YPLUS indexing command.
    %,
    tsf_cref_data   = tsf [27]  ! Pointer to linked list of CREF BRN records.
    %,
    tsf_cref_count  = (tsf [28])<0,8>   !Number of pending crefs.
    %,
!!  tsf_free_cell   = tsf [29]  !Free cell
!!  %,
!!  tsf_free_cell   = tsf [30]  !Free cell
!!  %,
    tsf_aux_bits    = tsf [31]  !Do specified special functions.
    %,
    tsf_h_bars      = (tsf [32])<BAR__> !TRUE if change bars apply to the items described by TSF_xxx_HL.
    %,
    tsf_aux_aloc    = tsf [33]  !How TSF_AUX_SPAC is allocated.
    %,
    tsf_next_reg    = tsf [34]  !Indicates next free "pseudo-register."
    %,
    tsf__phregs     = tsf [35]  !Five "pseudo-registers".
    %;
LITERAL
    tsf_nregs   = 5;            !Number of "pseudo-registers" available.

LITERAL
    tsf_size    = 40;           !Total size of TSF.

MACRO
    tsf_bld     = (TSF_NBITS)<BLD__>
    %,

    tsf_und     = (TSF_NBITS)<UND__>
    %,

    tsf_ovr     = (TSF_NBITS)<OVR__>
    %;

MACRO
    tsf_bars    = (TSF_AUX_BITS)<BAR__> !True if change bars apply to the items described by TSF_xxx_VL.
    %;

MACRO
    tsf_definition      =
        REF VECTOR [tsf_size]%;

!                       End of TSF.REQ
```

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