```
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   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    NNNNNN     000     000   FFF               FFF
RRR    RRR        UUU         UUU  NNN    NNNNNN     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    UUUUUUUUUUUUUUU  NNN         NNN   000000000    FFF               FFF
RRR         RRR   UUUUUUUUUUUUUUU  NNN         NNN   000000000    FFF               FFF
RRR         RRR   UUUUUUUUUUUUUUU  NNN         NNN   000000000    FFF               FFF
```

FILEID**SAVE

```
   SSSSSSS      AAAAAA     VV      VV   EEEEEEEEEE
   SSSSSSS      AAAAAA     VV      VV   EEEEEEEEEE
 SS            AA    AA    VV      VV   EE
 SS            AA    AA    VV      VV   EE
 SS            AA    AA    VV      VV   EE
 SS            AA    AA    VV      VV   EE
   SSSSSS      AA    AA    VV      VV   EEEEEEE
   SSSSSS      AA    AA    VV      VV   EEEEEEE
         SS    AAAAAAAAAA   VV    VV    EE
         SS    AAAAAAAAAA   VV    VV    EE                ....
         SS    AA    AA      VV  VV     EE                ....
         SS    AA    AA      VV  VV     EE                ....
   SSSSSSS     AA    AA       VVVV      EEEEEEEEEE        ....
   SSSSSSS     AA    AA        VV       EEEEEEEEEE


   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    EEEEEEE        QQ      QQ
   RRRRRRRR    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'
!
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!*********************************************************************


!++
! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
!
! ABSTRACT:
!      This require file defines part of the storage area for the .SAVE
!      commands. Whole structures that will be saved will remain as they
!      are; this Require file just defines the additional area for the
!      single items. Items declared in the SAVE area do not also appear in
!      the SAVEALL area because the SAVEALL area includes all that is in
!      the SAVE area.
!
! ENVIRONMENT:   Transportable BLISS
!
! AUTHOR:        Ken Alden
!
! CREATION DATE: December 1982
!
! MODIFIED BY:
!
!      007     REM00007        Ray Marshall    1-June-1984
!              Completely reworked the definitions of SAVE_LENGTH &
!                 SAVEALL_LENGTH.  At least one size was wrong and hard coded
!                 values were used where a %SIZE could have been used.  Now
!                 %SIZE is used for most of the items.  Also, the XPD_ items
!                 are now conditionalized for DSRPLUS.
!
!      006     KFA00006        Ken Alden       30-Sep-1983
!              Moved the HCT items to the .SAVE list and three SCA items to
!                 the .SAVE ALL item block.
```

    005   KFA00005   Ken Alden   27-Jul-1983
            Added gca_flag_cmd to the save list.

    004   KFA00004   Ken Alden   5-Jul-1983
            Added SCA_FLAGS to the save list.

    003   KAD00003   Keith Dawson   07-Mar-1983
            Global edit of all modules. Updated module names, idents,
            copyright dates. Changed require files to BLISS library.

```
$FIELD SAVE_FIELDS =
        SET
        save$g_sca_cc_ok        = [$INTEGER],
        save$g_sca_justify      = [$INTEGER],
        save$g_sca_fill         = [$INTEGER],
        save$g_sca_crock        = [$INTEGER],
        save$g_sca_lm           = [$INTEGER],
        save$g_sca_rm           = [$INTEGER],
        save$g_sca_spacing      = [$INTEGER],
        save$g_sca_ker          = [$INTEGER],
        save$g_sca_autotitle    = [$INTEGER],
        save$g_sca_flags        = [$INTEGER],
        save$g_gca_width        = [$INTEGER],
        save$g_gca_flag_cmd     = [$INTEGER],
        save$g_gca_keep         = [$INTEGER],
        save$g_hct_hd_case      = [$INTEGER],
        save$g_hct_date         = [$INTEGER],
        save$g_hct_headers      = [$INTEGER],
        save$g_hct_nmpg_np      = [$INTEGER],
        save$g_hct_number_pag   = [$INTEGER],
        save$g_hct_subtitle     = [$INTEGER],
        save$g_phan_llines      = [$INTEGER]
        TES;

LITERAL
        save$k_length = $FIELD_SET_SIZE;

MACRO
    $save_block =
        BLOCK [save$k_length] FIELD (save_fields) %;

$FIELD saveall_fields =
        SET
        saveall$g_gca_autojust  = [$INTEGER],
        saveall$g_gca_autopara  = [$INTEGER],
        saveall$g_gca_autosubt  = [$INTEGER],
        saveall$g_gca_autotabl  = [$INTEGER],
        saveall$g_gca_case      = [$INTEGER],
        saveall$g_gca_xcase     = [$INTEGER],
        saveall$g_phan_header   = [$INTEGER],
        saveall$g_phan_paging   = [$INTEGER],
        saveall$g_sca_cc_ok     = [$INTEGER],
        saveall$g_sca_bar_char  = [$INTEGER],
        saveall$g_sca_period    = [$INTEGER]
        TES;

LITERAL
        saveall$k_length = $FIELD_SET_SIZE;

MACRO
    $saveall_block =
        BLOCK [saveall$k_length] FIELD (saveall_fields) %;

MACRO
    $XWDS (defined_as) =
        %SIZE(defined_as)/%UPVAL %;
```

```
LITERAL
        ! Counting %BPVALs (or fullwords) since the size of this literal
        ! is in %BPVALs.

        save_length = $XWDS(flag_table [flag_count]) ! The flag table.
                    + $XWDS(COUNTED_LIST [max_tabs]) ! The TAB table
                    + $XWDS(atable_definition)       ! The Action TABLE
                    + $XWDS(VECTOR [pdt_size])  ! paragraph definition tables
                    + save$k_length,     ! SAVE block

%(      save_length = (flag_count * 2) ! Each flag uses Two fullwords
                    + max_tabs+2        ! maximum tabs plus two control words
                    + CH$ALLOCATION(atable_length)! Each Action TABLE entry is one byte
                    + pdt_size          ! paragraph definition tables
                    + $XWDS($save_block),          ! SAVE block
)%
        saveall_length = save_length          ! Size of SAVE structure
                    + saveall$k_length    ! SAVEALL block
                    + 6                   ! for DATTIM
                    + $xwds(counted_list [max_levels]) ! for HLLIST
                    + (max_ecc * ecc$k_length) ! for ECC
%IF DSRPLUS %THEN
                    + 1                        ! for XPD_FLAGS
                    + $xwds(fixed_string [xp_string_size]) ! for XPD_APPEND
%FI                                         ;

%(  Alternate definitions:
                    + max_levels+2             ! for HLLIST
                    + (xp_string_size/%UPVAL)+4    ! for XPD_APPEND
)%
```

BARS
LIS

SETCAS
REQ

VR
REQ

ALINE
LIS

CARAGE
LIS

SAVSTK
REQ

AREC
LIS

TOCRTY
REQ

XTNTAB
REQ

CAPTION
LIS

CLH
LIS

SCA
REQ

BOTPAG
LIS

TPROB
REQ

CNTVMSREQ
R32

TSF
REQ

NDXVMSREQ
R32

SAVE
REQ

CENTXT
LIS