```
RRRRRRRRRRR       UUU          UUU  NNN          NNN    000000000    FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFF
RRRRRRRRRRR       UUU          UUU  NNN          NNN    000000000    FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFF
RRRRRRRRRRR       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
RRRRRRRRRRR       UUU          UUU  NNN  NNN     NNN  000        000 FFFFFFFFFFF        FFFFFFFFFFF
RRRRRRRRRRR       UUU          UUU  NNN   NNN    NNN  000        000 FFFFFFFFFFF        FFFFFFFFFFF
RRRRRRRRRRR       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       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     UUUUUUUUUUUUUUUU  NNN          NNN    000000000    FFF                FFF
RRR       RRR     UUUUUUUUUUUUUUUU  NNN          NNN    000000000    FFF                FFF
RRR       RRR     UUUUUUUUUUUUUUUU  NNN          NNN    000000000    FFF                FFF
```

```
RRRRRRRR     UU      UU  NN       NN  HH        HH     AAAAAA    NN          NN
RRRRRRRR     UU      UU  NN       NN  HH        HH     AAAAAA    NN          NN
RR      RR   UU      UU  NN       NN  HH        HH  AA        AA NN          NN
RR      RR   UU      UU  NN       NN  HH        HH  AA        AA NN          NN
RR      RR   UU      UU  NNNN     NN  HH        HH  AA        AA NNNN        NN
RR      RR   UU      UU  NNNN     NN  HH        HH  AA        AA NNNN        NN
RRRRRRRR     UU      UU  NN  NN   NN  HHHHHHHHHH  AA        AA NN  NN      NN
RRRRRRRR     UU      UU  NN  NN   NN  HHHHHHHHHH  AA        AA NN  NN      NN
RR  RR       UU      UU  NN    NNNN  HH        HH  AAAAAAAAAA NN      NNNN
RR  RR       UU      UU  NN    NNNN  HH        HH  AAAAAAAAAA NN      NNNN
RR      RR   UU      UU  NN       NN  HH        HH  AA        AA NN          NN
RR      RR   UU      UU  NN       NN  HH        HH  AA        AA NN          NN
RR        RR UUUUUUUUUU  NN       NN  HH        HH  AA        AA NN          NN
RR        RR UUUUUUUUUU  NN       NN  HH        HH  AA        AA NN          NN
```

```
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 EEEEEEEEEEF     QQQQ  QQ
RR        RR EEEEEEEEEE      QQQQ  QQ
```

```
! RUNHAN.REQ - Literal values of each directive.

! Version:      'V04-000'
```

```
!++

! FACILITY:    DSR (Digital Standard RUNOFF) / DSRPLUS

! ABSTRACT:

!       This require file defines the literals used to reference the
!       various DSR commands.

! ENVIRONMENT: Transportable BLISS

! AUTHOR:      Rich Friday     CREATION DATE:  1978
```

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! MODIFIED BY:

    014   KFA00014   Ken Alden   04-Aug-1983
            Added H_DISABLE_APPEN, H_PAGE_NOW.   MA

    013   KFA00013   Ken Alden   03-Aug-1983
            Added directive H_ENABLE_CHAPTER, H_DISABLE_CHAPTER (dsrplus).

    012   RER00012   Ron Rendall   17-Mar-1983
            Made topnote-related text consistent with other modules.   %I

    011   KFA00011   Ken Alden   16-Mar-1983
            Made SAVE/RESTORE visible to DSR.   %F

    010   KAD00010   Keith Dawson   07-Mar-1983
            Global edit of all modules. Updated module names, idents,
            copyright dates. Changed require files to BLISS library.
            Made handler codes numerically ascending again through
            their alphabetical order, including both DSR-only and   %I
            DSRPLUS commands. The DSRPLUS commands will still be
            reported as errors for DSR.

                                                                                                          %F

                                                                                                          %I

                                                                                                          %F

                                                                                                          MA
                                                                                                          %I

```
LITERAL H_APPENDIX       =        1;
LITERAL H_AUTOJUSTIFY    =        2;
LITERAL H_AUTOPARAGRAPH =         3;
LITERAL H_AUTOSUBTITLE  =         4;
LITERAL H_AUTOTABLE      =        5;

%IF DSRPLUS %THEN
LITERAL H_AUTOTITLE      =        6;
%FI

LITERAL H_BEGIN_BAR      =        7;

%IF DSRPLUS %THEN
LITERAL H_BEGIN_TOPNOTE =         8;
LITERAL H_BEGIN_PASSTHR =         9;
%FI

LITERAL H_BLANK          =        10;
LITERAL H_BREAK          =        11;
LITERAL H_CENTER         =        12;
LITERAL H_CHAPTER        =        13;
LITERAL H_COMMENT        =        14;
LITERAL H_CONTROL_CHARA =         15;

%IF DSRPLUS %THEN
LITERAL H_REFERENCEPOIN =         16;
%FI

LITERAL H_DATE           =        17;

%IF DSRPLUS %THEN
LITERAL H_DISABLE_APPEN =         214;
%FI

LITERAL H_DISABLE_BAR    =        18;
LITERAL H_DISABLE_BOLDI =         19;

%IF DSRPLUS %THEN
LITERAL H_DISABLE_CHAPT = 212;! Same as H_no_chapter
%FI

LITERAL H_DISABLE_HYPHE =         20;
LITERAL H_DISABLE_INDEX =         21;
LITERAL H_DISABLE_OVERS =         22;
LITERAL H_DISABLE_TOC    =        23;
LITERAL H_DISABLE_UNDER =         24;

%IF DSRPLUS %THEN
LITERAL H_DISABLE_XPLUS =         25;
%FI

LITERAL H_DISPLAY_APPEN =         26;
LITERAL H_DISPLAY_CHAPT =         27;

%IF DSRPLUS %THEN
LITERAL H_DISPLAY_COUNT =         28;
```

```
%FI

LITERAL H_DISPLAY_DAY   =        29;
LITERAL H_DISPLAY_ELEME =        30;

%IF DSRPLUS %THEN
LITERAL H_DISPLAY_EXAMP =        31;
LITERAL H_DISPLAY_FIGUR =        32;
LITERAL H_DISPLAY_HEAD  =        33;
%FI

LITERAL H_DISPLAY_HOURS =        34;
LITERAL H_DISPLAY_LEVEL =        35;
LITERAL H_DISPLAY_MINUT =        36;
LITERAL H_DISPLAY_MONTH =        37;
LITERAL H_DISPLAY_NUMBE =        38;
LITERAL H_DISPLAY_SECON =        39;
LITERAL H_DISPLAY_SUBPA =        40;

%IF DSRPLUS %THEN
LITERAL H_DISPLAY_TABLE =        41;
%FI

LITERAL H_DISPLAY_YEAR  =        42;
LITERAL H_DO_INDEX      =        43;

%IF DSRPLUS %THEN
LITERAL H_DO_CONTENTS   =        44;
LITERAL H_DO_TABLE      =        45;
%FI

LITERAL H_ELSE          =        46;

%IF DSRPLUS %THEN
LITERAL H_ENABLE_APPEND =        213;
%FI

LITERAL H_ENABLE_BAR    =        47;
LITERAL H_ENABLE_BOLDIN =        48;

%IF DSRPLUS %THEN
LITERAL H_ENABLE_CHAPTE =        211;
%FI

LITERAL H_ENABLE_HYPHEN =        49;
LITERAL H_ENABLE_INDEXI =        50;
LITERAL H_ENABLE_OVERST =        51;

%IF DSRPLUS %THEN
LITERAL H_ENABLE_XPLUS  =        52;
%FI

LITERAL H_ENABLE_TOC    =        53;
LITERAL H_ENABLE_UNDERL =        54;
LITERAL H_ENDIF         =        55;
LITERAL H_END_BAR       =        56;
```

```
LITERAL H_END_FOOTNOTE   =       57;

%IF DSRPLUS %THEN
LITERAL H_END_TOPNOTE    =       58;
%FI

LITERAL H_END_LIST       =       59;
LITERAL H_END_LITERAL    =       60;
LITERAL H_END_NOTE       =       61;

%IF DSRPLUS %THEN
LITERAL H_END_PASSTHROU  =       62;
%FI

LITERAL H_END_SUBPAGE    =       63;
LITERAL H_ENTRY          =       64;
LITERAL H_FIGURE         =       65;
LITERAL H_FIGURE_DEFERR  =       66;
LITERAL H_FILL           =       67;
LITERAL H_FIRST_TITLE    =       68;

%IF DSRPLUS %THEN
LITERAL H_FIRST_TITLE_A  =       69;
%FI

LITERAL H_FLAGS_ALL      =       70;
LITERAL H_FLAGS_BOLD     =       71;
LITERAL H_FLAGS_BREAK    =       72;
LITERAL H_FLAGS_CAPITAL  =       73;
LITERAL H_FLAGS_COMMENT  =       74;
LITERAL H_FLAGS_CONTROL  =       75;
LITERAL H_FLAGS_ENDFOOT  =       76;
LITERAL H_FLAGS_HYPHENA  =       77;
LITERAL H_FLAGS_INDEX    =       78;
LITERAL H_FLAGS_LOWERCA  =       79;
LITERAL H_FLAGS_OVERSTR  =       80;

%IF DSRPLUS %THEN
LITERAL H_FLAGS_NOPERMU  =       81;
LITERAL H_FLAGS_PASSTHR  =       82;
%FI

LITERAL H_FLAGS_PERIOD   =       83;
LITERAL H_FLAGS_QUOTE    =       84;
LITERAL H_FLAGS_SPACE    =       85;
LITERAL H_FLAGS_SUBINDE  =       86;
LITERAL H_FLAGS_SUBSTIT  =       87;
LITERAL H_FLAGS_UNDERLI  =       88;
LITERAL H_FLAGS_UPPERCA  =       89;
LITERAL H_FOOTNOTE       =       90;
LITERAL H_HEADERS_LOWER  =       91;
LITERAL H_HEADERS_MIXED  =       92;
LITERAL H_HEADERS_ON     =       93;
LITERAL H_HEADERS_UPPER  =       94;

%IF DSRPLUS %THEN
```

```
LITERAL H_HEADER_EXAMPL =          95:
LITERAL H_HEADER_FIGURE =          96:
%FI

LITERAL H_HEADER_LEVEL  =          97:

%IF DSRPLUS %THEN
LITERAL H_HEADER_TABLE  =          98:
LITERAL H_TOPNOTE_ON    =          99:
%FI

LITERAL H_HYPHENATION   =         100:
LITERAL H_IF            =         101:
LITERAL H_IFNOT         =         102:
LITERAL H_INDENT        =         103:
LITERAL H_INDEX         =         104:
LITERAL H_JUSTIFY       =         105:
LITERAL H_KEEP          =         106:
LITERAL H_LAYOUT        =         107:
LITERAL H_LEFT          =         108:
LITERAL H_LEFT_MARGIN   =         109:
LITERAL H_LIST          =         110:
LITERAL H_LIST_ELEMENT  =         111:
LITERAL H_LITERAL       =         112:
LITERAL H_LOWER_CASE    =         113:
LITERAL H_NOTE          =         114:
LITERAL H_NO_AUTOJUSTIF =         115:
LITERAL H_NO_AUTOPARAGR =         116:
LITERAL H_NO_AUTOSUBTIT =         117:
LITERAL H_NO_AUTOTABLE  =         118:

%IF DSRPLUS %THEN
LITERAL H_NO_AUTOTITLE  =         119:
LITERAL H_NO_CHAPTER    =         120:
%FI

LITERAL H_NO_CONTROL_CH =         121:
LITERAL H_NO_DATE       =         122:
LITERAL H_NO_FILL       =         123:
LITERAL H_NO_FLAGS_ALL  =         124:
LITERAL H_NO_FLAGS_BOLD =         125:
LITERAL H_NO_FLAGS_BREA =         126:
LITERAL H_NO_FLAGS_CAPI =         127:
LITERAL H_NO_FLAGS_COMM =         128:
LITERAL H_NO_FLAGS_CONT =         129:
LITERAL H_NO_FLAGS_ENDF =         130:
LITERAL H_NO_FLAGS_HYPH =         131:
LITERAL H_NO_FLAGS_INDE =         132:
LITERAL H_NO_FLAGS_LOWE =         133:
LITERAL H_NO_FLAGS_OVER =         134:

%IF DSRPLUS %THEN
LITERAL H_NO_FLAGS_NOPE =         135:
LITERAL H_NO_FLAGS_PASS =         136:
%FI
```

```
LITERAL H_NO_FLAGS_PERI =        137;
LITERAL H_NO_FLAGS_QUOT =        138;
LITERAL H_NO_FLAGS_SPAC =        139;
LITERAL H_NO_FLAGS_SUBI =        140;
LITERAL H_NO_FLAGS_SUBS =        141;
LITERAL H_NO_FLAGS_UNDE =        142;
LITERAL H_NO_FLAGS_UPPE =        143;
LITERAL H_NO_HEADERS    =        144;
LITERAL H_NO_TOPNOTE    =        145;
LITERAL H_NO_HYPHENATIO =        146;
LITERAL H_NO_KEEP       =        147;
LITERAL H_NO_JUSTIFY    =        148;
LITERAL H_NO_NUMBER     =        149;

%IF DSRPLUS %THEN
LITERAL H_NO_NUMBER_FOO =        150;
%FI

LITERAL H_NO_PAGING     =        151;
LITERAL H_NO_PERIOD     =        152;
LITERAL H_NO_SPACE      =        153;
LITERAL H_NC_SUBTITLE   =        154;
LITERAL H_NUMBER_APPEND =        155;
LITERAL H_NUMBER_CHAPTE =        156;

%IF DSRPLUS %THEN
LITERAL H_NUMBER_EXAMPL =        157;
LITERAL H_NUMBER_FIGURE =        158;
LITERAL H_NUMBER_FOOTNO =        159;
%FI

LITERAL H_NUMBER_INDEX  =        160;
LITERAL H_NUMBER_LEVEL  =        161;
LITERAL H_NUMBER_LIST   =        162;
LITERAL H_NUMBER_PAGE   =        163;
LITERAL H_NUMBER_RUNNIN =        164;
LITERAL H_NUMBER_SUBPAG =        165;

%IF DSRPLUS %THEN
LITERAL H_NUMBER_TABLE  =        166;
%FI

LITERAL H_PAGE          =        1o7;

%IF DSRPLUS %THEN
LITERAL H_PAGE_NOW      =        215;
%FI

LITERAL H_PAGE_SIZE     =        168;
LITERAL H_PAGING        =        169;
LITERAL H_PARAGRAPH     =        170;
LITERAL H_PERIOD        =        171;
LITERAL H_PRINT_INDEX   =        172;
LITERAL H_REPEAT        =        173;
LITERAL H_REQUIRE       =        174;
LITERAL H_RESTORE       =        175;
```

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```
LITERAL H_RIGHT            =       176;
LITERAL H_RIGHT_MARGIN     =       177;
LITERAL H_SAVE             =       178;
LITERAL H_SAVE_ALL         =       179;

%IF DSRPLUS %THEN
LITERAL H_SEND_CONTENTS =          180;
%FI

LITERAL H_SEND_TOC         =       181;

%IF DSRPLUS %THEN
LITERAL H_SET_COUNTER              182;
%FI

LITERAL H_SET_DATE         =       183;
LITERAL H_SET_LEVEL        =       184;
LITERAL H_SET_PARAGRAPH    =       185;

%IF DSRPLUS %THEN
LITERAL H_SET_TEXTSTRIN    =       186;
%FI

LITERAL H_SET_TIME         =       187;
LITERAL H_SKIP             =       188;
LITERAL H_SPACING          =       189;
LITERAL H_STANDARD         =       190;

%IF DSRPLUS %THEN
LITERAL H_STYLE_APPENDI    =       191;
LITERAL H_STYLE_CHAPTER    =       192;
%FI

LITERAL H_STYLE_DATE       =       193;

%IF DSRPLUS %THEN
LITERAL H_STYLE_EXAMPLE    =       194;
LITERAL H_STYLE_FIGURE     =       195;
%FI

LITERAL H_STYLE_HEADERS    =       196;

%IF DSRPLUS %THEN
LITERAL H_STYLE_TABLE      =       197;
%FI

LITERAL H_STYLE_TIME       =       198;
LITERAL H_SUBINDEX         =       199;
LITERAL H_SUBPAGE          =       200;
LITERAL H_SUBTITLE         =       201;
LITERAL H_TAB_STOPS        =       202;
LITERAL H_TEST_PAGE        =       203;
LITERAL H_TITLE            =       204;
LITERAL H_UPPER_CASE       =       205;
LITERAL H_VARIABLE         =       206;
LITERAL H_XLOWER           =       207;
```

B
C
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```
%IF DSRPLUS %THEN
LITERAL H_XPLUS          =        208;
%FI

LITERAL H_XUPPER         =        209;

%IF DSRPLUS %THEN
LITERAL H_YPLUS          =        210;
%FI

LITERAL FIRST_COMMAND    =        1;
LITERAL LAST_COMMAND     =        215;

! End of RUNHAN.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