


```

IIIIII  NN      NN  DDDDDDD  EEEEEEEEE  XX      XX
IIIIII  NN      NN  DDDDDDD  EEEEEEEEE  XX      XX
II      NN      NN  DD        DD  EE          XX      XX
II      NN      NN  DD        DD  EE          XX      XX
II      NNNN     NN  DD        DD  EE          XX      XX
II      NNNN     NN  DD        DD  EE          XX      XX
II      NN  NN   NN  DD        DD  EEEEEEEEE  XX      XX
II      NN  NN   NN  DD        DD  EEEEEEEEE  XX      XX
II      NN      NNNN DD        DD  EE          XX      XX
II      NN      NNNN DD        DD  EE          XX      XX
II      NN      NN   DD        DD  EE          XX      XX
IIIIII  NN      NN  DDDDDDD  EEEEEEEEE  XX      XX
IIIIII  NN      NN  DDDDDDD  EEEEEEEEE  XX      XX

```

```

RRRRRRR  EEEEEEEEE  QQQQQQ
RRRRRRR  EEEEEEEEE  QQQQQQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RRRRRRR  EEEEEEEEE  QQ      QQ
RRRRRRR  EEEEEEEEE  QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EEEEEEEEE  QQQQ  QQ
RR      RR  EEEEEEEEE  QQQQ  QQ

```

Version: 'V04-000'

```

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```

++
FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
ABSTRACT:
  Structures for use by the indexing command.
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.
--

```

```

%IF 2*%BPADDR LEQ %BPVAL      !Can addresses be packed in a word?
%THEN
! Structure of index entry (DECsystem-10/20).
MACRO
  X_PREV      = 0,0,18,0 %,    !Link to previous item      (HALF WORD)
  X_NEXT      = 0,18,18,0 %,   !Link to next item (0 ==> EOL) (HALF WORD)
  X_SUBX      = 1,0,18,0 %,    !Sub index pointer      (HALF WORD)
  X_SUBC      = 1,18,8,0 %,    !Sub index level        (BYTE)

```

```

X_BARS      = 1,26,1,0 %, !Change bar flag (BIT)
X_REF       = 2,0,18,0 %, !Extra reference pointer (HALF WORD)
X_TEXT      = 2,18,18,0 %; !Pointer to text of index item (HALF WORD)

```

```

LITERAL
X_ENTRY     = 3;          !Number of words in index entry.

```

```

! Structure of extra reference entry (DECsystem-10/20).

```

```

MACRO
XX_LINK     = 0,0,18,0 %, !Pointer to additional entries.
XX_PAGE     = 0,18,18,1 %; !Transaction number.

```

```

LITERAL
XX_ENTRY= 1;          !Length of extra reference entry.

```

```

%ELSE
! Structure of index entry for -11s, VAXes, and -20s with extended addressing.

```

```

MACRO
X_PREV      = 0,0,%BPVAL,0 %, !Link to previous item (WORD)
X_NEXT      = 1,0,%BPVAL,0 %, !Link to next item (0 ==> EOL) (WORD)
X_SUBX      = 2,0,%BPVAL,0 %, !Sub index pointer (WORD)
X_SUBC      = 3,0,8,0 %, !Sub index level (BYTE)
X_BARS      = 3,8,1,0 %, !Change bar flag (BIT)
X_REF       = 4,0,%BPVAL,0 %, !Extra reference pointer (WORD)
X_TEXT      = 5,0,%BPVAL,0 %; !Pointer to text of index item (WORD)

```

```

LITERAL
X_ENTRY     = 6;          !Number of words in index entry.

```

```

! Structure of extra reference entry (-11s, VAXes, -20 with extended addressing).

```

```

MACRO
XX_LINK     = 0,0,%BPVAL,0 %, !Pointer to additional entries.
XX_PAGE     = 1,0,%BPVAL,1 %; !Transaction number.

```

```

LITERAL
XX_ENTRY= 2;          !Length of extra reference entry.

```

```

%FI

```

```

!Dummy datasets

```

```

LITERAL
DS_X_ENTRY=X_ENTRY,
DS_XX_ENTRY=XX_ENTRY,
DS_X_STRING=0;

```

```

!                               End of INDEX.REQ

```

