



```

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  EEEEEEEEE  QQQQ  QQ
RR      RR  EEEEEEEEE  QQQQ  QQ

```

Version: 'V04-000'

```

*****
*
* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
* ALL RIGHTS RESERVED.
*
* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
* TRANSFERRED.
*
* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
* CORPORATION.
*
* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
*
*****

```

```

**
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
```

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		
				FSPACK REQ							NDXXPL REQ			
								MAXIMA REQ					POOL REQ	RUNHAN REQ
										NDXLIN REQ		PAGEN REQ		
DMDEFS REQ	FFDEFS REQ				GSLUCC REQ	INDEX REQ								
							LETTER REQ				NMLST REQ			
								MSG REQ					RNODEF REQ	
			FOOFIL REQ	GCA REQ										
DSRLIB REQ	FLGT REQ				HCT REQ	IRAC REQ				NDXPOL REQ		PASS REQ		
							LODEFS REQ				NUMPRM REQ			
								MSGTXT REQ	NBITS REQ					
			FOOREC REQ										PDT REQ	RNOMAC REQ
						KC REQ								
	FLIRCHARS REQ				HLC REQ		LSTBTS REQ				OPDEV REQ			