



```

TTTTTTTTT1  IIIIII  RRRRRRRR  AAAAAA  UU      UU  XX      XX
TTTTTTTTTT  IIIIII  RRRRRRRR  AAAAAA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RRRRRRRR  AA      AA  UU      UU  XX      XX
TT          II      RRRRRRRR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AAAAAAAAAA  UU      UU  XX      XX
TT          II      RR      RR  AAAAAAAAAA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          II      RR      RR  AA      AA  UU      UU  XX      XX
TT          IIIIII  RR      RR  AA      AA  UUUUUUUUUU  XX      XX
TT          IIIIII  RR      RR  AA      AA  UUUUUUUUUU  XX      XX

```

```

RRRRRRRR  EEEEEEEEE  QQQQQQ
RRRRRRRR  EEEEEEEEE  QQQQQQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RRRRRRRR  EEEEEEEEE  QQ      QQ
RRRRRRRR  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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MODULE: TIRAUX.REQ

FACILITY: LINKER

ABSTRACT: SET OF AUXILIARY MACROS AND DATA FOR TIR COMMAND  
PROCESSING

HISTORY:

AUTHOR: T.J. PORTER 16-APR-77

MODIFIED BY:

V02-003	BLS0090	Benn Schreiber	31-Oct-1981
		Access macros for local symbols	
V02-002	BLS0050	Benn Schreiber	23-Mar-1981
		Add indirect pc relative address mode	
V02-001	BLS0035	Benn Schreiber	9-Jan-1981
		New accesses for word psect commands.	

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## FUNCTIONAL DESCRIPTION:

THIS FILE DEFINES COMPILE TIME CONSTANT MACROS AND  
PARAMETERS FOR ACCESSING TIR COMMAND DATA.

## MACRO

```
SYMBOLENG = 0,0,8,0%,  
SIGNED_BYTE = 0,0,8,1%,  
UNSIGNED_BYTE = 0,0,8,0%,  
SIGNED_WORD = 0,0,16,1%,  
UNSIGNED_WORD = 0,0,16,0%,  
LONGWORD = 0,0,32,0%,  
PSECT_INDEX = 0,0,8,0%,  
PSECT_B_OFFSET = 1,0,8,1%,  
PSECT_W_OFFSET = 1,0,16,1%,  
PSECT_L_OFFSET = 1,0,32,1%,  
WPSECT_INDEX = 0,0,16,0%,  
WPSECT_B_OFFSET = 2,0,8,1%,  
WPSECT_W_OFFSET = 2,0,16,1%,  
WPSECT_L_OFFSET = 2,0,32,1%,  
LENVINDEX = 0,0,16,0%,  
LSYMBOLENG = 2,0,8,0%;
```

## ADDRESSING MODES USED IN CO-ERCION OF POSITION INDEPENDENCE

## LITERAL

```
PCRELADDRMODE = %X'EF',      ! PC RELATIVE FOR RELOCATABLE VALUES  
ABSADDRMODE = %X'9F',       ! ABSOLUTE  
INDPCRELADDR = %X'FF',     ! INDIRECT PC RELATIVE FOR SHAREABLE IMAGE REFERENCES
```

STRPOSIT LIS	STRUNDEQ LIS	LINKER LIS
STRPOSEXT LIS	STRREPLAC LIS	STRSRCHM LIS
STRRIGHT LIS	LINKER	STRTRIM LIS
STRUPCASE LIS	LINK MAP	PREFIX REQ
STRTRANSL LIS	DATBAS MDL	ISDSORT LIS
STRPREFIX LIS	TIRAUZ REQ	DATBAS LIS
ISGENC REQ		