


```
TTTTTTTTT1  IIIIII  RRRRRRRR  AAAAAA  UU  UU  XX  XX
TTTTTTTTT  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          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
```

