





This file, PSECTS.REQ, defines the macros for declaring program sections in BLISS.

```

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Revision History:

Note: this first section of the revision history refers to RTLPSECT.

- 01-2 - Data PIC, NOSHR. TNH 19-Dec-77
- 01-03 - Make OWN be NOSHARE. TNH 6-Jan-77.
- 01-5 - Make OWN be PIC. TNH 27-June-78.
- 01-6 - Change name to RTLPSECT.REQ. JBS 14-NOV-78
- 1-007 - Add copyright notice. JBS 16-NOV-78
- 1-008 - Change PSECT names to start with "\_", to conform to new RTL standard. JBS 21-DEC-78
- 1-009 - Remove the PRINT statement, for the new BLISS compiler. JBS 02-OCT-1979

End of revision history for RTLPSECT, beginning of revision history for PSECTS.

- 1-010 - Created PSECTS from RTLPSECT. JBS 17-Dec-1980
- 1-011 - Update copyright notice. JBS 21-Jun-1983

Declare PSECTS for all EDT modules.

Macro to declare PSECTS for a facility, given the facility prefix.

The declarations are very dependent on the linker algorithm for sorting PSECTS. Currently that algorithm divides PSECTS into four groups depending on WRITE vs NOWRITE and EXECUTE vs NOEXECUTE. Therefore in order to get compact programs, PLIT is made EXECUTABLE to get it close to CODE.

Example of use:

PSECT DECLARATIONS:

```
DECLARE_PSECTS (FOR);    ! Declare PSECTS for FOR$ facility
```

Note: since the methodology manual does not yet specify where PSECT declarations go in a module, they are put between EQUATED SYMBOLS and OWN STORAGE (which is after INCLUDE files).

MACRO

```
DECLARE_PSECTS (FAC) =
```

```
PSECT
```

```
CODE = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
PLIT = %NAME ('-', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
OWN  = %NAME ('_', FAC, $DATA) (READ, WRITE, NOEXECUTE, NOSHARE, PIC, ADDRESSING_MODE (LONG_RELATIVE)),
```

```
GLOBAL = %NAME ('_', FAC, $DATA) (READ, WRITE, NOEXECUTE, NOSHARE, PIC, ADDRESSING_MODE (LONG_RELATIVE)) %
```

Define macro for declaring PIC (position independent) dispatch tables as OWN storage (would be better if BIND table = PLIT (...), however, BLISS doesn't allow table to be referenced inside PLIT definition, so use OWN storage instead). The OWN storage is temporarily defined to be same PSECT as code, then DECLARE\_PSECTS should be called again to restore OWN to \_fac\$DATA PSECT.

MACRO

```
DISPATCH_PSECTS (FAC) =
```

```
PSECT
```

```
CODE = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
PLIT = %NAME ('-', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
OWN  = %NAME ('-', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
GLOBAL = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)) %
```

End of file PSECTS.REQ

ERRMSG REQ	TRACEOFF REQ	SUPPORTS REQ	TRANSLATE REQ	TRAROUNAM REQ	BADKEY LIS	CALLWTO LIS	CHMBEGSEN LIS	CHMCMBL IN LIS
SYSSYM REQ	TRANNNAMES REQ	TRACELIT REQ	CALLFIO LIS	CHMBEGWD LIS	CHMCLRCC LIS	CHMBEEP LIS	CHMCHANGE LIS	CHMDLCHR LIS
EDTREQ REQ	KEYPADDEF REQ	TRACEMAC REQ	PSECTS REQ	VERSION REQ	CHMCHKCC LIS	CHMELNTR LIS	CHMELNTR LIS	CHMELNTR LIS