


```

RRRRRRR      TTTTTTTTT  LL      PPPPPPP      SSSSSSS      EEEEEEEEE      CCCCCCC      TTTTTTTTT
RRRRRRR      TTTTTTTTT  LL      PPPPPPP      SSSSSSS      EEEEEEEEE      CCCCCCC      TTTTTTTTT
RR      RR    TT      LL      PP      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      PP      SS      EE      CC      TT
RRRRRRR      TT      LL      PPPPPPP      SSSSS      EEEFEEEE      CC      TT
RRRRRRR      TT      LL      PPPPPPP      SSSSS      EEEEEEEEE      CC      TT
RR      RR    TT      LL      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      SS      EE      CC      TT
RR      RR    TT      LL      PP      SS      EE      CC      TT
RR      RR    TT      LLLLLLLLL  PP      SSSSSSS      EEEEEEEEE      CCCCCCC      TT
RR      RR    TT      LLLLLLLLL  PP      SSSSSSS      EEEEEEEEE      CCCCCCC      TT

```

```

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      QQ
RR      RR    EE      QQ      QQ      QQ
RR      RR    EE      QQ      QQ      QQ
RR      RR    EE      QQ      QQ
RR      RR    EEEEEEEEE      QQQQ      QQ
RR      RR    EEEEEEEEE      QQQQ      QQ

```

File: RTLPECT.REQ Edit: JAW1010

This file, RTLPECT.REQ, defines the macros for declaring RTL psects.

```

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```

Revision History:

- 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 RTLPECT.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
- 1-010 - Add optional second argument to DECLARE_PSECTS, to allow control of OWN PSECT alignment boundary. See FOR\$EXIT_HANDL for further information. JAW 23-FEB-1981

Declare PSECTS for all Library 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 is 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, BOUND) =
```

```
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))
      %IF %LENGTH GEQU 2 %THEN, ALIGN(BOUND) %FI,
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 RTLPECT.REQ

RTLMACB32 REQ	STRMACROS REQ	RTLOOBBG REQ	RTLPSECT REQ	STRLNK REQ	RTLMACMAR MAR	LIBASCEBC LIS	LIBASTINP LIS	LIBBINTRE LIS	LIBCHAR LIS
					LIBDEF FOR	LIBANASTR LIS	LIBASNMBX LIS	LIBBBCCI LIS	
					LIBABUPCA LIS	LIBADDP LIS			
					SIGDEF FOR	LIBASCTIM LIS			
					LIBTABMAC MAR	LIBATTACH LIS			
					LIBA2EREV LIS	LIBBBSST LIS	LIBCALLG LIS	LIBCLICAL LIS	
					LIBADDP LIS				