bcc fiile SPI	CONVENTIONS FOR SYSTEM DEFINED ENTRY POINTS	
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ABSTRACT and CONTENTS

Describes the arrangements made by SPL to accommodate MCALLs, POPs, SP'ENTRYs, etc.

This document will be merged into a revision of the SPL manual.

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Type of function	Call with	Return with	Put descriptor
Ordinary	BLL	BLL	
MONITOR	MCALL	GRET	MCALL TV
UTILITY	UCALL	GRET	UCALL TV
POP	Рор	BLL	POP TV
TRAP 'ENTRY	Not applicable. A trap'entry is not really a function. It does not have arguments. The address of the first word of code should be put into the TRAP TV. It is a programming error to reference any local variables or do a return.		
FTRAP'ENTRY	As for TRAP'ENTRY, but put the address of the first word into the FTRAP TV.		
SYSPOP	As for TRAP'ENTRY, but put the address of the first word of code into the TRAP TV at 20B + syspop number.		
SP'ENTRY	BLL	BLL	SP TV

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Name of TV	Location and contents of descriptor	Contents of TV entry
MCALL	604000B; UB=MAXMCALL	Absolute address of function descriptor. Initialized to an error function.
UCALL	403010B; UB=MAXUCALL	As for MCALL.
POP	G'[Ø]; UB=MAXPOP	As for MCALL.
TRAP	G'[6]; UB=11B except for utility, where UB=20B+MAXSYSPOP	Absolute address of code. Initialized to a trap routine.
FTRAP	604002B; UB=13B	As for TRAP
SP	?; UB=MAXSP	As for MCALL

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All descriptors are ARRAY IAWs with LB= \emptyset , MULT=1, BASE=indexed indirect source-relative pointer to the transfer vector, which is allocated in code space at the discretion of the compiler.

The MAX symbols are, for the moment, built into the compiler with the following values:

MCALL = 400B, UCALL = 400B, POP = 100B, SYSPOP = 100B, SP = 20B

Table II: Transfer Vectors