About This Manual

Objectives of This Manual

The *CMMD User's Guide* is written for programmers who are writing or porting message-passing programs to run on the Connection Machine model CM-5. The *User's Guide* does the following:

- It introduces the components and environment of the CM-5 system, as they are used for message-passing programming.
- It provides a brief description of the host/node programming model, and describes how that model is currently implemented on the CM-5.
- It introduces the tools currently provided on the CM-5 to assist in the development of message-passing programs.
- It provides a useful "do's and don't's" for the successful creation and execution of message-passing programs on the CM-5.

This user's guide is intended to be used in conjunction with the *CMMD Reference Manual*, which describes the functions provided by the CM-5's message-passing library, CMMD. Both manuals assume that the programmer has some experience in writing message-passing programs in the language of his or her choice.

This edition of the manual documents Version 3.0 of the CMMD library and Version 7.2 of the CMOST operating system.

Notation Conventions

The table below displays the notation conventions observed in this manual.

Convention	Meaning
`bold typewriter`	CMMD functions and UNIX and CM System Software commands, command options, and filenames, when they appear embedded in text. Also programming language syntax statements, and language elements such as keywords, operators, and function names, when they appear embedded in text.
italics	Argument names and placeholders in function and command formats.
`typewriter`	Code examples and code fragments.
`%` **`bold typewriter`** `regular typewriter`	In interactive examples, user input is shown in **`bold typewriter`** and system output is shown in `regular typewriter` font.