Preface

The Real Time Executive for Military Systems (**RTEMS**) is designed to be portable across multiple processor architectures. However, the nature of real-time systems makes it essential that the application designer understand certain processor dependent implementation details. These processor dependencies include calling convention, board support package issues, interrupt processing, exact **RTEMS** memory requirements, performance data, header files, and the assembly language interface to the executive.

For information on the MC68020 and the MC68000 processor family in general, refer to the following documents:

- *MC68020 User's Manual, Motorola, MC68020UM/AD.*
- *MC68881/MC68882 Floating-Point Coprocessor User's Manual, Motorola, MC68881UM/AD.*
- *M68000 Family Reference, Motorola, FR68K/D.*

It is highly recommended that the MC68020 **RTEMS** application developer obtain and become familiar with Motorola's **MC68020 User's Manual**.