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Default Fatal Error Processing

4.1 Introduction

Upon detection of a fatal error by either the application or **RTEMS** the fatal error manager is invoked. The fatal error manager will invoke the user-supplied fatal error handlers. If no user-supplied handlers are configured, the **RTEMS** provided default fatal error handler is invoked. If the user-supplied fatal error handlers return to the executive the default fatal error handler is then invoked. This chapter describes the precise operations of the default fatal error handler.

4.2 Default Fatal Error Handler Operations

The default fatal error handler which is invoked by the **fatal_error_occurred** directive when there is no user handler configured or the user handler returns control to **RTEMS**. The default fatal error handler disables processor interrupts to level 7, places the error code in **D0**, and executes a **stop** instruction to simulate a halt processor instruction.