

Firmware Support Manual (FSM)

Development Team

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1. Scope

1.1 Identification

FSM-001: Manual Identification - The manual **shall** be identified by the following information: - **Manual Name:** [Manual Name] - **Manual Identifier:** [FSM-001] - **Version:** 1.0 - **Classification:** [Unclassified/Classified Level]

1.2 Manual Overview

FSM-002: Manual Purpose - The manual **shall** provide firmware support and maintenance procedures - The manual **shall** describe firmware update and recovery processes - The manual **shall** cover hardware-firmware interface specifications

2. Referenced Documents

FSM-003: Referenced Standards - MIL-STD-498: Software Development and Documentation - [Other applicable standards]

3. Firmware Overview

FSM-004: System Description - The manual **shall** describe the firmware architecture - The manual **shall** specify firmware version and features - The manual **shall** provide hardware compatibility information

4. Firmware Installation

FSM-005: Installation Procedures - The manual **shall** provide firmware installation instructions - The manual **shall** describe pre-installation requirements - The manual **shall** include installation verification procedures

5. Firmware Updates

FSM-006: Update Procedures - The manual **shall** describe firmware update procedures - The manual **shall** include rollback procedures - The manual **shall** provide update verification methods

6. Troubleshooting

FSM-007: Problem Resolution - The manual **shall** provide firmware troubleshooting procedures - The manual **shall** include diagnostic tools and methods - The manual **shall** describe recovery procedures

7. Hardware Interface

FSM-008: Interface Specifications - The manual **shall** describe hardware-firmware interfaces - The manual **shall** specify communication protocols - The manual **shall** provide interface configuration procedures

8. Notes

- **FSM:** Firmware Support Manual
- **Firmware:** Software embedded in hardware devices