WEAPON STORES MANAGEMENT SYSTEM (SMS)

The Third Generation Weapon Stores Management System (SMS) is a Modular Open System Approach (MOSA) compliant COTS weapons control system that seamlessly integrates with aircraft sensors and mission management systems to provide the crew with a superior fire-control solution.

This proven, lightweight rugged system is an affordable solution to weapon stores management on air, land and sea platforms. The SMS leverages Moog's extensive experience in systems integration, internal software development, weapons technology, and fire-control solutions. SMS software is approved as non safety-critical DO-178C DAL E.

The flexible modular design of the SMS enables rapid integration and future upgrades to the sensors, avionics and weapons ensuring the SMS's value for future mission requirements and weapons expansion.

KEY FEATURES

- Modular Open Systems Approach (MOSA) compliant
- Lightweight – half the weight of comparable systems
- Compact and flexible modular design for optimized installation
- Proven, rugged and affordable
- High performance with latest technology available
- Third party user interface for rapid custom integrations with smart displays, moving map and mission management software suppliers
- Lightweight Dual Rail Launcher (DRL) with Hellfire Interface Unit (HIU)
- SMS software approved as non safety-critical DO-178C DAL E
- Qualified to MIL-STD-810G, MIL-STD-461G
- Compliant to MIL-STD-704F
- MIL-STD-1760, MIL-STD-1553, ARINC 429, analog and digital I/O, Ethernet, RS232/RS422, and Serial interfaces available

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WEAPON SMS ON UH-60 BLACK HAWK

UH-60 Black Hawk Digital SMS Components (Dimensions are in inches)

❶ STORES CONTROL PANEL (SCP) *[2.3 LBS.]*

❷ ENHANCED STORES MANAGEMENT COMPUTER (E-SMC) *[4.1 LBS.]*

❸ ENHANCED STORES INTERFACE UNIT (E-SIU) *[4.5 LBS.]*

❹ GUN ROCKET UNIT (GRU) *[4.5 LBS.]*

❺ SMS THIRD PARTY INTERFACE WITH AVALEX SMART MULTI-FUNCTION DISPLAY

See the extensive SMS weapon options supported by Moog at www.moog.com/sms.

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