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, including Universal Armament Interface (UAI).

KEY FEATURES

- MOSA compliant
- Lightweight – half the weight of comparable systems
- Compact and flexible modular design for optimized installation
- Air worthiness qualified
- Proven, rugged and affordable
- High performance with latest technology available
- Third party open user interface for rapid custom integrations with smart displays, moving map and mission management software suppliers

- UAI – weapon capable
- 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

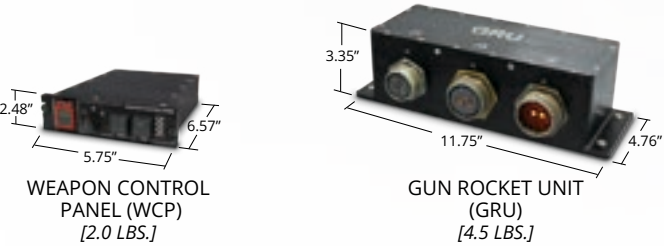**MOOG**

STORES MANAGEMENT SOLUTIONS

From guns and rockets to advanced weapon systems,
Moog's modular digital SMS has you covered.

LIGHTWEIGHT DUAL RAIL
LAUNCHER (DRL) FOR
ADVANCED WEAPON
SYSTEMS [46 LBS.]

MD Helicopters AH530 Block II shown above

Fulcrum Concepts CLAW (Configurable Lightweight Armament Wing) shown above

SMS Solution for Guns and Rockets (Dimensions are in inches)

2.48"
6.57"
5.75"

WEAPON CONTROL
PANEL (WCP)
[2.0 LBS.]

3.35"
11.75"
4.76"

GUN ROCKET UNIT
(GRU)
[4.5 LBS.]

SMS Solution for Advanced Weapons Systems (Dimensions are in inches)

3.25"
6.75"
6.90"

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

3.35"
11.75"
4.76"

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

MOSA THIRD-PARTY
INTERFACE FOR MMS
*(Macro-Blue display
shown above)*

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

2.63"
5.75"
7.37"

STORES
CONTROL PANEL (SCP)
[2.3 LBS.]

3.25"
6.75"
6.90"

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

3.35"
11.75"
4.76"

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

3.35"
11.75"
4.76"

GUN ROCKET UNIT
(GRU)
[4.5 LBS.]

CUSTOMIZABLE
EFIS PRIMARY FLIGHT
AND MULTI-FUNCTION
DISPLAYS

See the extensive SMS weapon options supported by Moog at www.moog.com/sms.
Black Hawk SMS components are shown in an example configuration.

EQUIPPING THOSE WHO DEFEND FREEDOM

MOOG

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