



## WEAPON STORES MANAGEMENT SYSTEM (SMS)



*Credit: Textron Aviation*

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

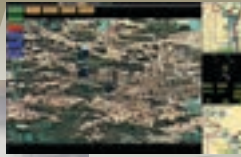
- MOSA compliant
- Lightweight – half the weight of comparable systems
- Compact and flexible modular design for optimized installation
- Air worthiness qualified
- Proven, rugged and affordable
- High performance with latest technology available
- Third party open user interface for rapid custom integrations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

# WEAPON SMS

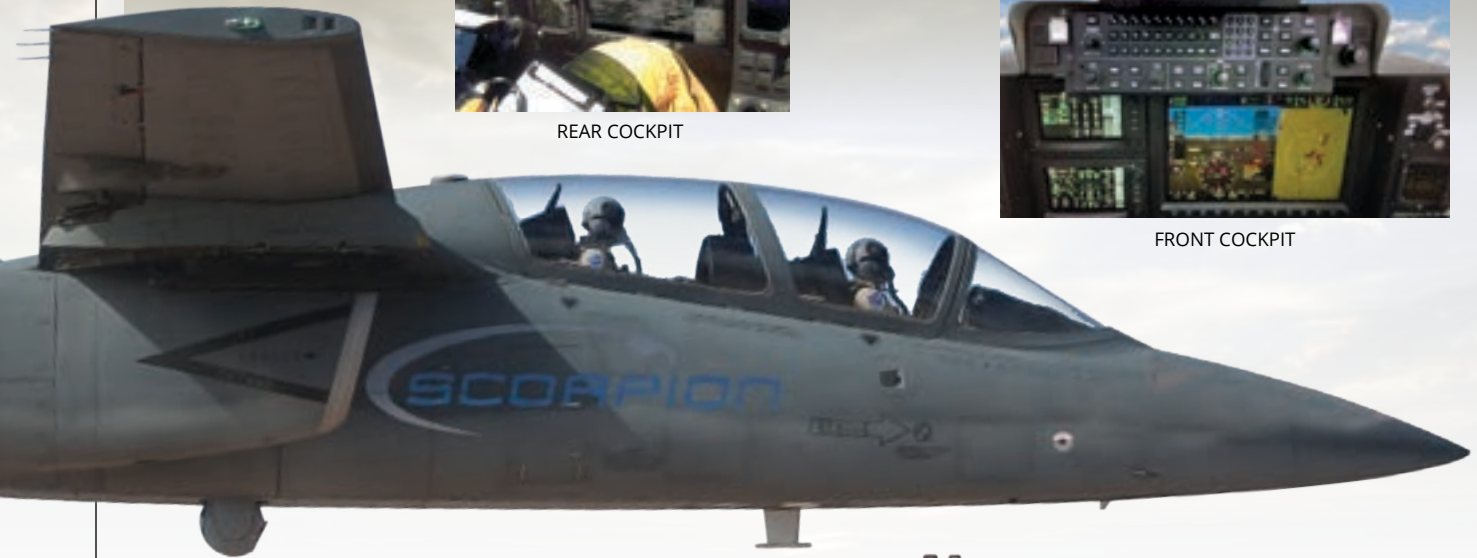
SMS THIRD PARTY INTERFACE WITH L3 FORCEEX  
WIDOW® MISSION MANAGEMENT SYSTEM



REAR COCKPIT

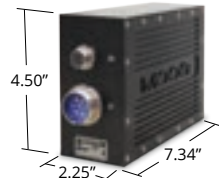


FRONT COCKPIT



MOOG'S LIGHTWEIGHT DUAL  
RAIL LAUNCHER (DRL) WITH  
HELLFIRE INTERFACE UNIT  
[46 LBS.]

## Digital SMS Components (Dimensions are in inches)



STORES  
INTERFACE UNIT (SIU)  
[3.5 LBS.]



REMOTE POWER UNIT  
(RPU-6)  
[4.0 LBS.]



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

See the extensive SMS weapon options supported by Moog at [www.moog.com/sms](http://www.moog.com/sms).

**MOOG**  
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