



## WEAPON STORES MANAGEMENT SYSTEM (SMS)



Photo Courtesy Air Tractor® Inc. and L3 Technologies® Inc.

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

- 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

# WEAPON SMS ON AT-802

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



REAR COCKPIT



FRONT COCKPIT



MOOG'S LIGHTWEIGHT DRL  
WITH HELLFIRE INTERFACE UNIT  
[46 LBS.]

## AT-802L Digital SMS Components (Dimensions are in inches)



STORES  
CONTROL PANEL (SCP)  
DEPTH (Not Shown): 5.85"  
[1.59 LBS.]



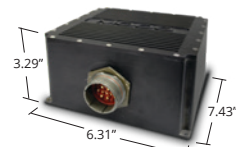
LASER  
ARM PANEL (LAP)  
DEPTH (Not Shown): 5.08"  
[1.8 LBS.]



ON SCREEN  
DISPLAY (OSD)  
[2.8 LBS.]



STORES  
INTERFACE UNIT (SIU)  
[3.5 LBS.]



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



STORES  
MANAGEMENT  
COMPUTER (SMC)  
[4.16 LBS.]

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



### Integrated Defense Systems

7455 Emerald Dunes Drive, Suite 2200, Orlando, FL 32822 USA  
+1.407.242.0679  
[www.moog.com](http://www.moog.com)



Moog Space and Defense



@MoogSDG



@Moog\_Inc



@Moog.Inc

The appearance of U.S. Department of Defense (DoD) visual information does not imply or constitute DoD endorsement.

Equipment described herein falls under the jurisdiction of the ITAR and requires US Government Authorization for export purposes. Diversion contrary to US law is prohibited.

© 2024 Moog, Inc. All rights reserved.

Product and company names listed are trademarks or trade names of their respective companies.