

Standard Army Ammunition System – Modernization (SAAS-MOD)

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The Standard Army Ammunition System Modernization (SAAS-MOD) is a Tactical Logistics Systems (TLS), designed to provide centralized information management to support ammunition management functions on the battlefield and in garrison, and within Army Commands (ACOMs) and Army Service Component Commands (ASCCs). Current development focuses on system sustainment and enhancement to support the current Modular Force.

A multi-level automated ammunition management, reporting, and accounting system, SAAS-Mod automates all retail Class V management life-cycle functions. SAAS-Mod operates in both tactical and non-tactical environments and provides automation support for the Theater Sustainment Command Distribution Management Center (TSC DMC), Expeditionary Sustainment Command Distribution Management Centers (ESC DMC), Ammunition Supply Activities at the Sustainment Brigade and TSC levels (TSAs, CSAs, and ASPs), Brigade Ammunition Office (BAO) and Ammunition Transfer Holding Points (ATHP).

Supports Asset Identification

SAAS-MOD operates at the theater, corps and MACOM level MMC and allows Class V managers to identify all conventional ammunition assets on-hand or in-transit within their area of operation.

Supports Requirement Identification

SAAS-MOD operates at the division MMC, separate brigade MMC, or regimental MMC and allows Class V managers to view all ammunition basic load requirements, training requirements and task force requirements.

Enhances Ammunition Accountability and Supply Operations

SAAS-MOD supports a broad range of ammunition supply accountability operations including inventory control, receipt, and issue, in the operation of Ammunition Supply Points (ASP), Corps Storage Areas (CSA) and Theater Storage Areas (TSA).

Streamlines Wartime Logistics

In wartime SAAS-MOD enables the DAO to monitor receipt and distribution of ammunition to maneuver units supported by the ATP. In peacetime SAAS-MOD feeds the Training Ammunition Management Information System - Redesigned (TAMIS-R).

Hardware/Software Platforms

In the tactical environment SAAS-MOD uses commercial off-the-shelf (COTS) microcomputers non-developmental item (NDI) hardware with a minimum Pentium III 900 MHz chip with 256 megabytes of Random Access Memory (RAM) and 30 gigabyte hard disk drive (HDD).

SAAS-Mod operates on Windows Server 2003 and Windows XP Professional operating systems. It uses Oracle Relational Database Management System (RDBMS) version 10g for data management.

Security

SAAS-Mod processes Sensitive But Unclassified (SBU) information in the System High mode. SAAS-Mod has received full DoD Information Technology Security Certification and Accreditation Process (DITSCAP) accreditation in January 2007.

Telecommunications Architecture

SAAS-MOD offers users the option to communicate using electronic transmission or by magnetic media. During communication setup the user indicates which option they prefer. If the user selects electronic transmission, SAAS-MOD uses file secure transfer protocol (SFTP) to transmit data through a direct connection to the NIPRNET or dialup network connection. If the user selects magnetic media, SAAS-MOD writes data to 3.5" diskette. In the future a more secure form of communication will replace reliance upon file transfer protocol.

Benefits to the Warfighter

SAAS-MOD has automated and transformed ammunition management in a way that supports logistics planners and ultimately strengthens the Warfighter at home and in the field. SAAS-MOD has ushered in a range of software, efficiency and business process benefits including:

- Improved Class V processing accuracy and proficiency through the use of source data automation (Automated Identification Technology) for ammunition functions.
- Enhanced software flexibility and portability through the use of Open Systems Environment (OSE) tools.
- Enhanced functional operations flexibility that allows ammunition organizations to tailor SAAS-MOD software to their unique operational requirements.
- Superior information support through near real-time processing. SAAS-MOD's up-to-the minute data processing allows field commanders to make critical decisions in battlefield conditions and to quickly identify available Class V assets.
- Increased support for standardized training. SAAS-MOD eliminates the learning curve usually experienced when users transition from peacetime to wartime conditions.
- Improved survivability and readiness. SAAS-MOD creates a smaller hardware footprint because it reduces transportation demands and allows users to port software to any OSE compliant computer.
- Improved Total Asset Visibility (TAV) through the use of radio frequency identification (RFID) tags and reporting to the Intransit Visibility (ITV) server.
- Enhanced capability to ship and receive ammunition in prepackaged containers, reducing soldier workloads.

