

## 2016 DMSMS Individual Achievement Award

Captain Marc Bleha, USAF, Air Force Nuclear Weapons Center, ICBM Systems Directorate, Air Force Materiel Command

The Minuteman III Stock Inventory and Maintenance Production Logistics Enterprise (SIMPLE) is a predictive demand tool that analyzes Air Force (AF) supply support to the Minuteman III Intercontinental Ballistic Missile system. Captain Marc Bleha, USAF, program developer and liaison to Defense Logistics Agency (DLA), AF Supply Chain Management and Depot, significantly contributed to the success of this highly visible standardization effort.

SIMPLE fuses data from Air Force Global Strike Command's single point failure list, Hill Air Force Base depot repair center, and DLA Electronic Mall (eMall) data systems in order to cross-references more than 55 thousand lines of data to identify high-demand or critical-supply items for the Minuteman III weapon system. SIMPLE further prioritizes assets based on low or no stock levels, anticipated demand versus supply, and requisition objectives established by the AF Global Strike Command to prioritize resource allocation for the betterment of the weapon system.

SIMPLE provides the opportunity to specifically target both the customers' high-demand items and identified pending stock outages on components with excessive acquisition/repair lead times, ensuring the components are available when the maintenance team needs them. Unlike other weapon systems, there are vast geographic distances between base supply functions and the remotely located nuclear-capable missile launch facilities, dictating the issuing of the critical parts needed to the maintenance team prior to departure. The SIMPLE tool synergizes AF and DLA analytics and complements reporting to alleviate constraints arising from DMSMS by identifying requirements earlier and providing an opportunity to ensure that technical data packages are complete for acquisition sourcing or repair processes.

Since program activation in June 2016, the system has predicted five Mission Impaired Capability Awaiting Parts and developed ongoing and maturing target lists for the AF supply chain system, DLA, and AF Global Strike Command. The SIMPLE tool has resulted in improved Minuteman III readiness by enabling shorter maintenance repair times due to parts availability, reduced manpower requirements (labor cost avoidance), better management of supply chain logistics, improved on site repairs and depot support priorities, and an improved priority list to target highest impact areas. The current program is ongoing and is growing based on inputs from the AF supply chain managers and depot management teams. Additionally, the Air Force Materiel Command A9 office is showing interest in this tool and is requesting the product be managed at the Major Command level for application across additional weapon systems.