

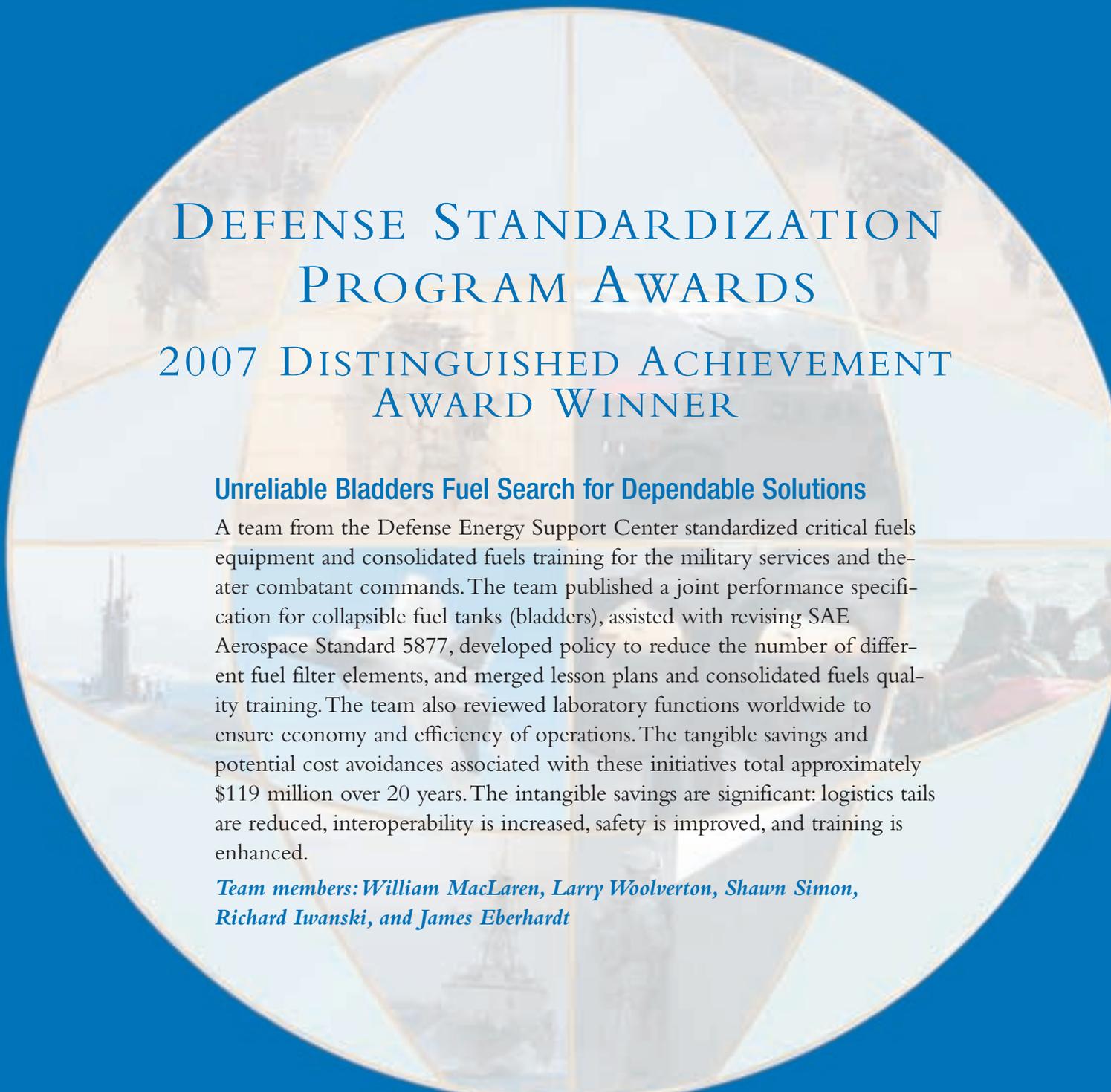
2007 DEFENSE STANDARDIZATION PROGRAM AWARDS

BY MR. GREGORY SAUNDERS, DIRECTOR



SAE International

These awards honor personnel and organizations of the Military Departments and Defense Agencies for outstanding performance in the implementation of the Defense Standardization Program. The recipients have made singular improvements in technical performance, greatly enhanced safety for DoD personnel, and avoided billions of dollars in costs.



DEFENSE STANDARDIZATION PROGRAM AWARDS

2007 DISTINGUISHED ACHIEVEMENT AWARD WINNER

Unreliable Bladders Fuel Search for Dependable Solutions

A team from the Defense Energy Support Center standardized critical fuels equipment and consolidated fuels training for the military services and theater combatant commands. The team published a joint performance specification for collapsible fuel tanks (bladders), assisted with revising SAE Aerospace Standard 5877, developed policy to reduce the number of different fuel filter elements, and merged lesson plans and consolidated fuels quality training. The team also reviewed laboratory functions worldwide to ensure economy and efficiency of operations. The tangible savings and potential cost avoidances associated with these initiatives total approximately \$119 million over 20 years. The intangible savings are significant: logistics tails are reduced, interoperability is increased, safety is improved, and training is enhanced.

Team members: William MacLaren, Larry Wolverton, Shawn Simon, Richard Iwanski, and James Eberhardt

2007 DEFENSE

ACHIEVEMENT AWARD WINNERS

Plug and Train Yield Live-Fire Gain

James Todd was instrumental in the development and implementation of standards for the Future Army System Integrated Target (FASIT). The new system will integrate the Army's immediate and evolving warfighter training needs and industry capabilities into a set of specifications and interface control documents that will enable procurement of interchangeable, plug-and-train, live-fire training devices. In addition, FASIT will have open architecture interfaces to support emerging technology and range instrumentation requirements. Use of the FASIT standards will reduce total ownership costs, enhance threat representations, reduce component size, increase modularity and reuse opportunities, and decrease battery consumption. When fully implemented, FASIT will allow the Army to avoid an estimated \$39 million in cost to modernize live-fire training range infrastructure and hardware.

Navy STARS Lead to Wise Destination in Single Stable Facility

A Navy team looking for efficiencies in the provision of services to Navy and Marine Corps air stations by the Navy Operational Support Facility (OSF)—a key component of the Standard Terminal Automation Replacement System (STARS)—recognized that cost and staffing efficiencies, along with improvements in data collection methods, could be gained by creating a single DoD-wide STARS OSF. The team, working jointly with the Army, Air Force, and Federal Aviation Administration, developed detailed processes and procedures for STARS sites. By implementing lessons learned and applying the standardized process and procedures, the Navy team has been able to provide OSF support to the entire DoD STARS community more quickly and with fewer resources than would be possible if each service had its own OSF. The estimated cost savings resulting from the use of the Navy STARS OSF to support all DoD STARS facilities total \$14.5 million (FY05–FY09).

Team members: Kathi Chesser, Adam Osborne Jr., Mark Minik, Kenneth Cole, and Michael Corrigan

STANDARDIZATION

Standard Software Seeks Single Solution for Discipline

Jack Mills, the program manager for the Naval Air Systems Command's Depot Maintenance System (NDMS), implemented a standardized structure and process for software development and life-cycle management of the NDMS portfolio of 31 major applications. The results are a significantly reduced NAVAIR depot IT budget—from \$124 million in FY03 to \$88 million in FY08—and significantly improved quality, system reliability, customer satisfaction, and readiness. In addition, Mr. Mills's use of industry best practices led to a 68 percent reduction in applications in the Maintenance Execution and Control portfolio.

Need for Alternative Fuels Bookmaking Activity

DoD is developing alternative fuels as a means to ensure secure sources of energy. An Air Force team—working closely with fuel experts in the areas of development and sustainment of weapon systems, ground support equipment, and refueling infrastructure—developed a standardized process to certify the new fuels. Previously, certification of a new fuel type was tailored to each weapon system, making conversion of the systems to the new fuels time-consuming and costly. The team documented the certification process in MIL-HDBK-510, Aerospace Fuels Certification. The new process is expected to reduce conversion to no more than 3 years for all weapons systems, ground support equipment, and refueling infrastructure and significantly reduce conversion costs.

Team members: James Edwards, Virgil Regoli, Martin Lentz, William Likos, and Edwin Wells

Painful Microcircuit Condition Eased with Preparation of H

Thomas Hess, of the Defense Supply Center Columbus, made outstanding contributions to Revision H of the military performance specification for microcircuits. The revised document addresses the current engineering and technical needs of the space community, military agencies, and DoD equipment manufacturers for robust military and space grade microcircuits. This specification affects more than 20,000 standard parts and some 600 military systems that depend on the key standard parts from this program. By increasing standardization and interoperability, Mr. Hess's efforts have increased reliability and quality without increasing the cost of the part.



PROGRAM AWARDS

Resistors Get Life when Taken to Higher Power

A joint Defense Logistics Agency/Army team overhauled the military performance specification for standard chip resistors to incorporate improved power ratings. The overhaul added 13 new specification sheets to cover requirements for chip resistors with higher power ratings. As a result of this effort, DoD can upgrade the existing part designs to improve power ratings rather than introduce new parts into the logistics system. Introducing a new series of thousands of standard parts into the inventory would cost more than \$8.1 million.

Team members: Andrew Ernst, Jeffrey Zern, and Jeffrey Carver

Corrosive Issue Buried in Polyurethane Gasket

A joint DoD/Coast Guard team implemented the use of new anticorrosion polyurethane gasket material and tape for antenna and floorboard applications on military aircraft. The use of this new material reduces and, in some cases, eliminates corrosion of antennas and airframes; simplifies removal of components; and allows for the extension of maintenance cycles, which gives personnel more time to perform other important maintenance tasks. More important, use of the new material increases readiness, by increasing component time on wing, and increases mission effectiveness, by reducing or eliminating communication issues due to degradation of the interface between component and aircraft. The polyurethane gaskets were so effective in field demonstrations that they have become the standardized technology for preventing corrosion related issues on military aircraft.

Team members: Ned Pruitt, Craig Matzdorf, Dick Kinzie, Steve Carr, and Larry Cornwell

THE DEFENSE STANDARDIZATION PROGRAM

PURPOSE

We champion standardization throughout the Department of Defense to reduce costs and improve operational effectiveness.

MISSION

We identify, influence, develop, manage, and provide access to standardization processes, products, and services for warfighters, the acquisition community, and the logistics community to promote interoperability, reduce total ownership cost, and sustain readiness.

VISION

The Defense Standardization Program is a comprehensive, integrated standardization program linking Department of Defense acquisition, operational, sustainment, and related military and civil communities. It is universally recognized for advancing the Department of Defense's Joint Vision 2020 and acquisition goals.

"Standardization is about finding common solutions for common problems and sharing them across programs. It can be a great challenge."

Gregory E. Saunders
Director, Defense Standardization Program