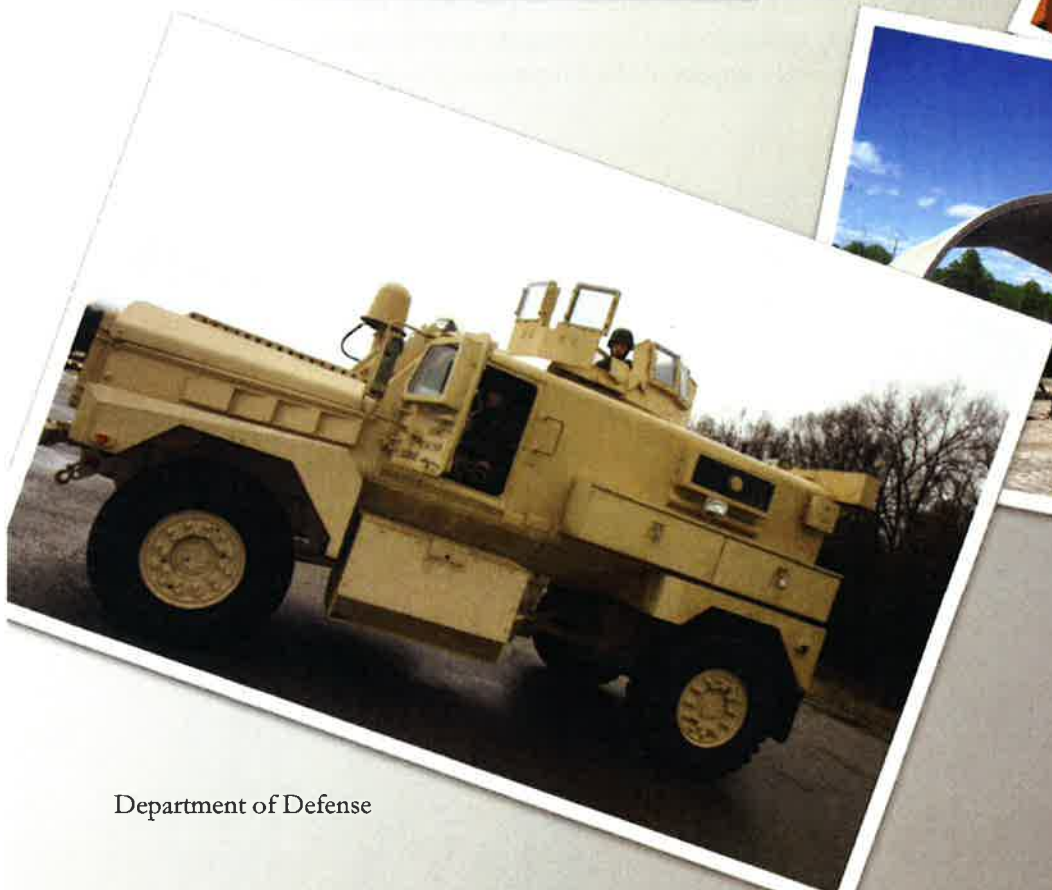


# 2012

## Congressional Report on Defense Business Operations



Department of Defense

Preparation of this report/supplemental materials cost the Department of Defense a total of approximately \$211,000 in Fiscal Years 2011 - 2012.

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The Department of Defense is pleased to present the 2012 Congressional Report on Defense Business Operations. This report highlights the Department's stewardship of the nearly \$7 billion annual business system development, modernization and sustainment budget dedicated to maintaining and transforming business operations supporting the Department's strategic priorities.

Today, the austere fiscal environment and accelerating pace of information technology (IT) evolution combine to make the careful alignment of business solutions and strategic goals more vital than ever. The alignment of defense business solutions is guided and constrained by the Business Enterprise Architecture. The Enterprise Transition Plan is the roadmap for actualization. Implementation of the Business Capabilities Lifecycle, and embracing end-to-end business flows and common language ontologies are examples of the Department's efforts to stay abreast of IT innovation and ensure sound fiscal stewardship.

Even as the Department strives to improve its internal processes, better rationalize its information technology investments, and manage its risks, defense business systems are providing real and tangible benefits to its operations in an increasingly technological 21st century environment. Numerous examples of business systems that positively impacted the Department's operations in Fiscal Year 2011 are included in this report.

  
Elizabeth A. McGrath

## Positive Example 12: Positive Example: Integrated Computerized Deployment System (ICODES)

### *Single Load-planning Capability Has Arrived*

The Single Load-planning Capability (SLPC) vision allows all services to plan, coordinate, and communicate load planning for multiple transportation modes across the Joint Deployment Distribution Enterprise (JDDE). The United States Joint Forces Command introduced the SLPC to the Distribution Steering Group in March 2007.

A Capabilities Based Analysis Team (CBAT) was formed to include partner members from USTRANSCOM, U.S. Army Installation Management Command (IMCOM), U.S. Army Training and Doctrine Command (TRADOC), Defense Logistics Agency (DLA) and other organizations. ICODES was selected as the SLPC platform. The CBAT specified objectives including web-based accessibility and the ability to load multiple conveyances simultaneously.

Fielding began in June 2011; SLPC is no longer a vision, it is a reality.

Representatives from Army, Air Force, Navy, the Marine Corps, TRANSCOM and Surface Deployment Distribution Command captured requirements from across the JDDE to develop a multi-service design concept for ICODES. The ICODES Program Office spear-headed this diverse team to migrate, combine, and develop functionality into an all-encompassing system that accommodates:

- Over 220 cargo attributes
- 43 cargo reference libraries
- 8 hazardous material reference libraries
- All rail flatcars in the Continental US
- 25 aircraft
- 297 water vessels
- 3 unit-level planning systems from 4 Service branches
- 146 use-case requirements

### **Benefits**

ICODES is an enterprise venture that exemplifies multi-service partnership and collaboration to fulfill a complex set of requirements. To critically analyze the 146 requirements, the CBAT organized a team of functionals, architects, system developers, and financial business case experts. The outcome is a load-planning system showcasing the following capabilities:

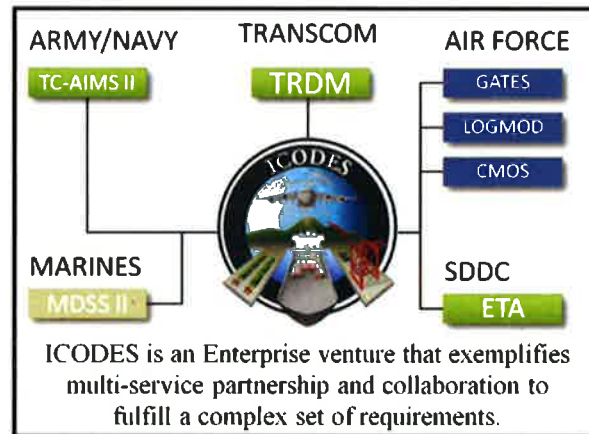


Figure 14. ICODES

- Single load planning system for stowage and loading of modes for all services
- DoD-wide access and single sign-on via the web-based Electronic Transportation Acquisition (ETA)

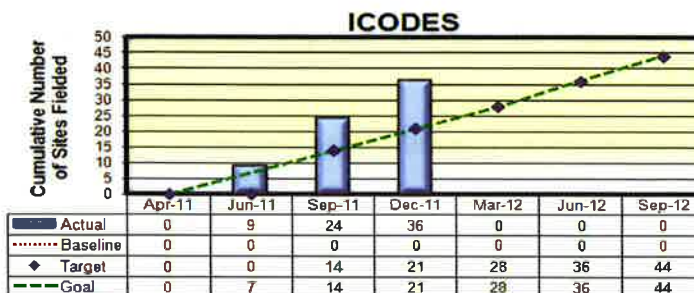


Figure 15. Sites Fielded

- Operation as stand-alone workstation via desktop configuration
- Load plan multiple conveyances and modes within the same application
- Estimate number of pallets, containers, and conveyances required for a cargo list
- Modular training tailored to user criteria
- Web-based/enterprise capabilities that allow multiple user collaboration within the same load plan

As of January 2012, ICODES Program Management Office has:

- Trained 481 personnel at 36 sites world-wide
- Established fixed training locations at the Transportation Schools in Fort Lee and Fort Eustis
- Established a Satellite Server at Military Ocean Terminal Sunny Point (MOTSU), NC

**Future Impact**

ICODES will streamline the load-planning process within the JDDE, with potential avenues of expansion into terminal and depot management.

**SMP Alignment**

ICODES aligns with FY 2012-2013 SMP Business Goal #3, “Build agile and secure information capabilities to enhance combat power and decision-making while optimizing value” and #6, “Re-engineer/use end-to-end business processes to reduce transaction times, drive down costs, and improve services.”

**Single Load Planning System for Stowage and Loading of Modes for all Services**

Fielding Effort as of January 2012:

- 481 Users Trained
- 45 Training Events
- 36 Sites Fielded
- 2 Transportation Schools
- 1 Satellite Server