

Implementing enterprise service management and information mediation capabilities to support the Department of Defense

The Business Issue

The Department of Defense (DoD) is undergoing a major transformation in how it conducts military missions in support of national policy and objectives. The transformation to net-centric operations is the logical next step beyond conducting joint operations. To achieve this transformation, the information technology (IT) systems that support the DoD's information needs must also change to be truly net-centric—providing information to warfighters anywhere, anytime, and from data sources that may be located anywhere within the enterprise. Supporting IT systems must be part of the solution rather than obstacles to overcome.

Historically, DoD IT systems have been tightly controlled, information within the systems has been difficult to share, and the systems have proven hard to use outside of their original environment. Each system had a narrow focus and used incompatible infrastructures, making information sharing across systems impossible, limiting their ability to be re-used, and frustrating users. The Defense Information Systems Agency (DISA) sought a solution to these challenges in the form of a new enterprise-wide, services-based infrastructure that would serve as a ubiquitous technical foundation that spans the DoD enterprise. This infrastructure would support the DoD objectives for improving information sharing, application reuse, and interoperability across Business, Command and Control, and Intelligence information systems. This infrastructure is being built under DISA's Net-Centric Enterprise Services (NCES) Program and it is a cornerstone technology enabler for the DoD's net-centric transformation initiatives.

The FGM Solution

FGM took a leadership role in exploring how to design and implement a component-based, services-oriented architecture (SOA) for DISA. We participated in multi-contractor working groups that defined the critical SOA characteristics that are necessary to meet stringent NCES requirements. FGM conducted detailed analyses of several commercial vendor products. We also implemented Enterprise Service Management and Information Mediation capabilities, augmented our existing DOD Metadata Repository to provide metadata search and retrieval services, and we built a number of user tools to facilitate service use.

case study

FGM—delivering on the promise of net-centricity.



Contact

Rick Siegert
Program Manager
Integrated Defense Systems

FGM, Inc.
12021 Sunset Hills Road
Suite 400
Reston, VA 20190

Phone: 703-885-1000
E-mail: ricks@fgm.com

www.fgm.com

The Results

The capabilities FGM built were included in the DISA Net-Centric Capabilities Pilot (NCCP)—a prototyping effort designed to demonstrate the feasibility, power, and promise of net-centric systems in supporting warfighter missions that require time sensitive targeting, strike, and situational awareness capabilities. These capabilities were demonstrated to a broad audience of developers, managers, and warfighters from across the DoD, and were then migrated to the Defense Enterprise Computing Center in Columbus, Ohio, where they are available for use today.



About FGM

FGM, Inc., is an information technology company delivering sophisticated, technology solutions that improve business efficiency across the enterprise.

As a trusted partner of the Department of Defense, U.S. Government civilian and international agencies, and businesses throughout the world, FGM is an agile provider of technical solutions that enable mission-critical operations and decision-making.

FGM's integrated solutions help our clients improve their business performance through information technology transformation services focusing on architecture, information management, and systems integration.

Headquartered in Reston, Virginia, FGM also has offices in California, Colorado, Hawaii, and Nebraska. With over 200 talented professionals, FGM is a thriving employee-owned corporation.

www.fgm.com

Featured Capabilities

- Enterprise Architecture
- Service Oriented Architecture
- Data Discovery
- Data Mediation
- COTS Evaluation

Vision. Leadership. *Experience.* Results

California

2820 Camino Del Rio South
Suite 130
San Diego, CA 92108
Voice: 619.297.2905
Fax: 619.297.2923

Colorado

8610 Explorer Drive
Suite 305
Colorado Springs, CO 80920
Voice: 719.266.8994
Fax: 719.266.8998

Hawaii

Seven Waterfront Plaza- Ste. 400
500 Ala Moana Boulevard
Honolulu, HI 96813
Voice: 808.543.8312 or 6413
Fax: 808.543.6483

Virginia

Corporate Headquarters
12021 Sunset Hills Rd. - Ste. 400
Reston, VA 20190
Voice: 703.885.1000
Fax: 703.885.0130