



SENSING AND RESPONDING WITH ACTIONABLE INFORMATION TO DELIVER EFFECTS

NET-CENTRIC LOGISTICS

In defense, the operational imperative – to deliver force effect – remains unchanged. That imperative today, however, is simply becoming more complex to meet. While logistics is about moving forces and materiel to generate force effect, logistics information increasingly is an integral part of a joint operational picture.

Business challenges

Defense logistics organizations face many of the same challenges – legacy systems and disparate business processes stemming from yesterday’s structural complexity. Unknown inventories and shipment status are compounded by poor data quality. They are unable to see at times where mission-critical, in-transit assets and supplies are along the global supply chain. They must manually track down information, frequently in stovepipes of people and systems. And, most painfully, they must determine and communicate the impact and risk of events without informed, end-to-end and integrated awareness. Logistics inefficiencies create a drain on scarce resources. Bottom line: Visibility to actionable information is paramount.

How we can help

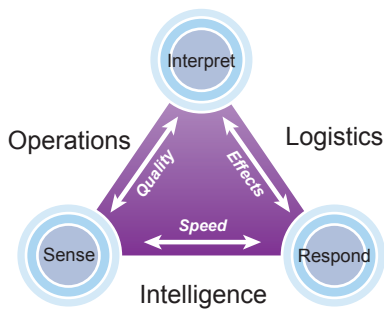
Net-centric or “sense and respond” logistics is a transformational network-centric, knowledge-driven and -guided concept that sustains force capabilities packages to assure joint and coalition effects-based operations. It provides precise, adaptable and agile support for commander’s intent. EDS, an HP company, has unique experience in delivering best-practice logistics solutions in many areas, including enabling logistics information systems. EDS as a partner with global defense organizations offers an effects-based, risk-averse route to highly automated logistics services and systems with proven processes and flexible resources. By leveraging EDS’ core capabilities, defense organizations can focus on knowledge-enabled net-centric logistics that are critical to mission success. EDS helps agencies predict, anticipate and coordinate actions that provide warfighting advantages spanning the full range of military operations across the strategic, operational and tactical levels of war.



What you can achieve

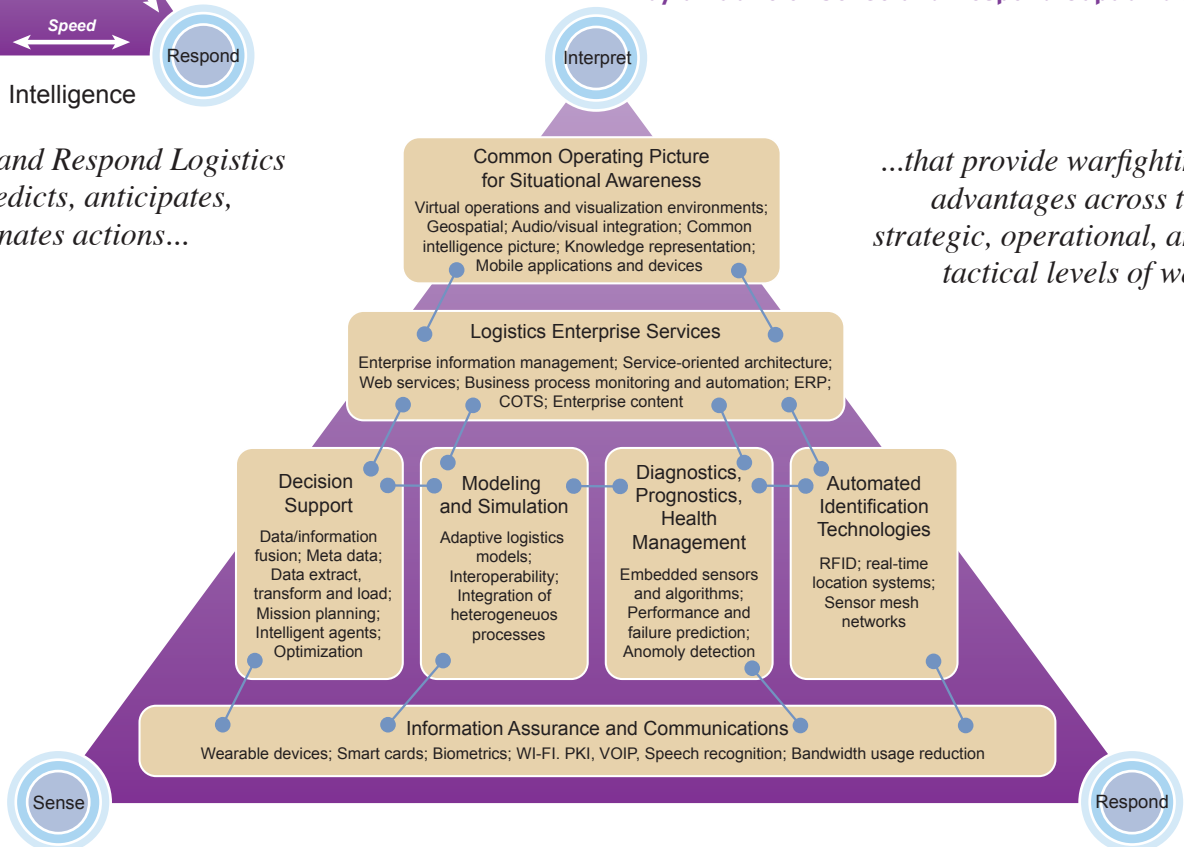
- Interoperable joint communications at the tactical level enabled by modernization visualization and planning
- Cross-service, cross-organizational collaboration between combat and support stakeholders
- Critical asset visibility, defined by operational roles, provided in real time
- Transparency, transportation flexibility and robust IT to manage uncertainty and risk
- Rapid, two-way flow of data and information through mobile and core applications interoperability
- Configuration, re-configuration and delivery of mission-ready capabilities

Defense Logistics Must Sense and Respond with Speed and Quality of Effect



The Sense and Respond Logistics concept predicts, anticipates, and coordinates actions...

A Net-centric Logistics Framework is Enabled by a Fabric of Sense and Respond Capabilities



...that provide warfighting advantages across the strategic, operational, and tactical levels of war.



NMCI MEETING MISSION-CRITICAL COMMUNICATIONS, LOGISTICS NEEDS

EDS manages the largest government IT contract in the world, the DoD's Navy Marine Corps Intranet. NMCI is the world's largest, most secure private network serving more than 700,000 Sailors and Marines globally.

NMCI will apply the speed and might of world-class Internet technology to everything from performing routine administrative tasks to facilitating global communications and logistics during wartime. This program of unprecedented scale ensures the secure and reliable transmission of voice, video and data information worldwide, helping the Navy and Marine Corps meet the following critical objectives:

- Enhancing network security
- Ensuring interoperability across commands and with other services
- Facilitating knowledge-sharing around the globe
- Increasing productivity
- Improving systems reliability and the quality of services
- Reducing the cost of voice, video and data services

Operational scenario

MSgt Patrick Jones, a repair parts manager based at an Air Force Base in Germany, supports the Maintenance Squadron of the 52nd Fighter Wing. As he is traveling onto the base and into the warehouse facilities, he checks his handheld device and notices an alert. The alert is not a high priority, so he elects to continue on his travel and get further details upon arrival at his workstation. He logs into his laptop, authenticating his identity and specific role and is presented with his personalized view of the "Defense Visual Operations Center." Within this common operating picture he sees all the relevant data and information configured to his specific role and job classification. His primary dashboard or "cockpit" is broken into personalized "windows," such as Status Board, Alerts, Video Feeds and a Virtual Globe & Map.

At the same time Col. Roger Moore of Transportation Command sits in the Operations Center and is getting rapid visibility into today's status of a strategic deployment plan. He is controlling the movement of assets, supplies and joint forces being mobilized and deployed for a mission to eastern Africa that is rapidly approaching. Although MSgt Jones and Col. Moore are separated by chains of command, functional processes, procedures, systems and thousands of miles of sea and land, they are viewing the same common operating picture. They are part of a net-centric team, bound by a mission, where every event is being collectively sensed, interpreted and responded to.

This multi-dimensional visibility and autonomic situational awareness provide these warfighters the sense and respond capability with their combat customers. With a net-centric logistics capability, they can now refocus their workflow and manual intervention away from recurring, tactical activities and more toward prevention and strategic activities. Arming logisticians and warfighters with lethal information, after all, gives us an enabling victory in the overall quest for speed and quality of effects in today's battlespace.

EDS has developed the capabilities in the scenarios above. Contact us for a demonstration of these capabilities and others tailored to your operations.



ABOUT EDS

EDS has been serving the U.S. Department of Defense (DoD) in the United States and abroad for more than 25 years with outstanding results. We are a global IT leader with proven expertise and demonstrated experience. Our deep knowledge of defense is based on service excellence to many agencies within the DoD and responsiveness to meeting the Army's evolving needs. We have world-leading experience and expertise in defense IT – from the back office to the battlespace. We have a track record of helping the DoD modernize and transform how it does business, reduce costs and enhance its warfighting capability.

Through our government and commercial expertise and world-class alliance partners, we help the DoD achieve mission success every day. We help the DoD build, sustain and generate warfighting capability through a fully integrated logistics enterprise based on collaborative planning, knowledge management and best business practices.

CONTACT

Greg Deabler
EDS
13600 EDS Drive
Herndon, VA 20171
phone: 703.733.3688
e-mail: gregory.deabler@eds.com
visit: www.eds.com/gov

Did you know...

- The Joint Operations Command System (JOCS) is a successful and operationally proven command information system that has been in service with the UK Joint Forces since 1996. Built on the EDS Secure Information Infrastructure, it supports the Ministry of Defence's business processes of organizations such as Joint Intelligence, Joint Operations and associated support and specialist organizations. JOCS supports deployed headquarters and provides command information services and connectivity to permanent UK and overseas sites. The Joint Operations Picture provides information management, situation awareness and decision support tools for all Joint Force data objects.
- EDS architected and implemented the 3-D Interactive PDF prototype for the U.S. Army Stryker Brigade Combat Team (SBCT) to demonstrate the effectiveness as a low-cost Interactive Electronic Technical Manual. EDS provides ongoing modeling and simulation support to SBCT which includes enhancements to the 3-D Interactive PDF.
- EDS serves as the prime integrator for the DoD's largest advanced smart card program. Working together with the department's Defense Manpower Data Center, we have delivered more than 16 million access cards.
- For a U.S. Department of Transportation Maritime Administration pilot, EDS created a virtual 3-D rendering and integration platform to convert multiple disparate data sources into actionable knowledge employees, other government officials and key commercial maritime businesses.
- EDS designed the collaboration-based Virtual Training Life Cycle Contractor Support management information system for the U.S. Army. It enables the capability to quickly view and analyze at any time the logistical information of virtual training systems, including availability, utilization, maintenance, readiness and personnel.
- EDS deployed the Integrated Operations & Maintenance Management Information System and Global Training Operations Readiness System, which assists the U.S. Army to capture, present and analyze logistics information electronically, eliminating the need for hard-copy reports.
- For the Bundeswehr, Germany's armed forces, EDS consolidated different logistics systems into one system family through Automated Materiel Tracking Management. The integrated solution provides German task forces with rapid, real-time data and a comprehensive view of materiel and supplies.
- EDS helped General Motors design and develop On*Star service, the largest consumer telematics solution currently used on more than 2 million vehicles. On*Star provides vehicle theft tracking, breakdown recovery and emergency services support.