DEFENSE INSTALLATION SPATIAL DATA INFRASTRUCTURE (DISDI)

Integrating Geospatial Capabilities to Benefit Business Transformation

The Challenge

Geospatial data can provide a visual image of the areas owned and used by the Department of Defense (DoD), including land, air, and sea space. Over the past decade, DoD has been acquiring diverse geospatial solutions for managing their global installations and bases. As geospatial technologies further advanced and proliferated across the Military Services and Defense Agencies, DoD—and the Federal Government as a whole—sought to move toward a more integrated approach for managing geospatial information and capabilities.

However, DoD lacked a centralized resource to coordinate and leverage geospatial information across their installations and business domain. While the National Geospatial Intelligence Agency (NGA) serves the warfighter and intelligence domains, DoD realized it needed a single-point resource to facilitate and integrate geospatial efforts for installations.

The Solution

The Deputy Under Secretary of Defense (Installations and Environment) (I&E) group formed the Defense Installation Spatial Data Infrastructure (DISDI) program to serve as the central source for organizing and leveraging the Department's extensive geospatial portfolio for its installations.

DISDI is the geospatial oversight program responsible for acquiring, managing, and sharing spatial information supporting I&E's business activities to meet defense, federal, and national goals.

Comprised of people, policies, and practices, DISDI offers a new approach for integrating geospatial efforts across the Defense facilities to better support DoD's strategic goals and the DoD Business Enterprise Architecture. DISDI develops geospatial standards and policy to enable sharing and interoperability of geospatial data at all levels of installation management, while ensuring that I&E's information infrastructure is aligned with DoD's net-centric strategies.

DISDI supports the Military Services and Defense Agencies by establishing guidance to effectively apply installation visualization capabilities in a collaborative and coordinated manner. DISDI's goal is to geo-enable I&E business mission areas and defense business transformation using the Global Information Grid concept.[1] A mission is geo-enabled when it leverages geospatial capabilities at the installation level to help visualize and enhance data—transforming it into actionable information.

[1] The Global Information Grid (GIG) is the globally interconnected, end-to-end set of information capabilities, processes, and personnel that collect, process, and disseminate information to warfighers, policy makers, and support staff.

DISDI Features

DISDI develops geospatial integration tools and provides federal compliance services:

- *Installation Visualization Tool (IVT)* – Initiated in 2003 to support the BRAC 2005 process, DISDI developed a common set of digital maps to visualize DoD installations via a geographic information system capability. DISDI is currently updating the data first used for the IVT capability to support new missions, like the Joint Basing Initiative.

- *DISDI Portal* – The DISDI Portal offers high-level geospatial data on DoD's installations, providing strategic maps of installations and information on how to access more detailed data. IVT data forms the foundation for the DISDI Web Portal, which is accessible to DoD staff with a common access card through the BEI web site at www.acq.osd.mil/ie/bei.

- *The Army Topographic Engineer Center Imagery Office (TIO)* – Designated by the DISDI program as a best acquisition practice for the I&E community, TIO acquires commercial satellite imagery to support DISDI's objectives. Searching across classified and unclassified defense and federal networks, TIO reduces redundant acquisitions by ensuring no defense or federal agency has already acquired imagery requested for I&E needs.

- *Federal Geospatial Compliance* – DISDI serves as the DoD liaison to the National Spatial Data Infrastructure (NSDI), a federally mandated program seeking to integrate spatial data from multiple sources including federal, state, local, and tribal governments; academia; and the private sector. DISDI also collaborates with NGA to ensure that DoD's business community is compliant with the same standards as the warfighter and intelligence communities.

- *Real Property Business Transformation* – Overseeing the implementation of Spatial Data Standards for Facilities, Infrastructure, and Environment, DISDI collaborates with I&E managers on real property transformation initiatives requiring geospatial data. DISDI is currently working to more efficiently reconcile DoD's environmental liabilities.

The Benefits

By leveraging DoD's vast geospatial information and capabilities, DISDI will provide valuable benefits to stakeholders across the Department:

- Reduce redundant IT systems
- Increase the availability and quality of geospatial data
- Deliver a more accurate inventory of real property assets
- Provide the ability to share and search for global DoD installations
- Integrate geospatial information into the strategic decision-making process
- Support Homeland Defense initiatives and strategic basing decisions with improved data
- Leverage DoD and federal imagery resources to avoid cost and reduce redundant acquisitions

Contact

If you have any questions, or would like to send us feedback, please contact:

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