

# GEOSPATIAL MANAGEMENT

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## I. Purpose

This Directive establishes the Department of Homeland Security (DHS or Department) responsibilities and policies for using and managing geospatial information and technology used by the Department in support of the homeland security mission. This mission-critical information is essential to homeland security missions such as frontline workers, first responders, analysts, specialists, surveyors, photogrammetrists, hydrographers, geodesists, cartographers, architects, or engineers.

A. Geospatial information is graphical or digital data depicting natural or manmade physical features, phenomena, or boundaries of the earth and any information related thereto, including surveys, maps, charts, remote sensing data, and images.

B. Geospatial technology is technology utilized for the collection, storage, retrieval, or dissemination of geospatial information to include global satellite surveillance systems; global position systems; geographic information systems; mapping equipment; geocoding technology; and remote sensing devices.

## II. Scope

A. This Directive applies throughout DHS.

B. This supersedes the DHS Management Directive 4030, "Geospatial Management Office."

## III. Authorities

A. Public Law 108-458, "Intelligence Reform and Terrorism Prevention Act of 2004," Title VIII, "Other Matters," Section 8201, "Homeland Security Geospatial Information"

B. Title 6, United States Code (U.S.C.), Section 343, "Chief Information Officer"

C. Title 31, U.S.C., Section 1535, "The Economy Act"

- D. Title 44, U.S.C., Chapter 35, “Coordination of Federal Information Policy”
- E. Executive Order 12906, “Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure,” as amended by Executive Order 13286
- F. Presidential Policy Directive 21, “Critical Infrastructure Security and Resilience”
- G. Office of Management and Budget (OMB) Circular A-16, “Coordination of Geographic Information and Related Spatial Data Activities”
- H. OMB Circular A-119, “Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities”
- I. OMB Circular A-130, “Management of Federal Information Resources”
- J. DHS Delegation 04000, “Delegation for Information Technology”

## IV. Responsibilities

- A. The **DHS Chief Information Officer (CIO)**:
  - 1. Manages the execution of this Directive, as administered by the Geospatial Information Officer, who is appointed by the Secretary and serves under the direction of the DHS CIO;
  - 2. Establishes the DHS Geospatial Management Office to be administered by the Geospatial Information Officer; and
  - 3. Coordinates the Geospatial Information and Technology needs and activities of the Department.
- B. The **DHS Geospatial Information Officer (GIO)**:
  - 1. Oversees the DHS Geospatial Information and Technology Program, which provides strategic direction, policy, technical assistance, and oversight to ensure geospatial information and technology assists in the Department’s missions;
  - 2. Provides such geospatial information and technology as may be necessary to implement the critical infrastructure protection programs;

3. Provides leadership and coordination in meeting the geospatial information and technology requirements for all functions of the Department;
4. Collaborates with stakeholders across the DHS enterprise to identify strategic opportunities, facilitate interoperability, prevent unnecessary duplication, establish performance goals, and provide guidance and methods for homeland security use and management of geospatial capabilities;
5. Exercises executive leadership in Department geospatial information and technology programs, initiatives, standards, and techniques; and ensuring the security of geospatial information and technology Department-wide;
6. Makes recommendations to senior leaders and advises Department officials on cost-efficient and effective use of geospatial information and technology resources;
7. Serves as the DHS representative on the Federal Geographic Data Committee Executive Steering Committee and other federal geospatial executive steering committees;
8. In coordination and consultation with Components, establishes and maintains appropriate working relationships with federal, state, tribal, territorial, local, other governmental entities, and private sector organizations on geospatial information and technology matters;
9. Promotes the practice of geospatial information and technology by establishing and delivering DHS-wide training programs on geospatial information and technology; and
10. Establishes the Geospatial Center of Excellence to promote and support the planning, implementation, and maturing of geospatial information and technology across DHS. The Geospatial Center of Excellence is a collaborative body that is chaired by the DHS Geospatial Information Officer and comprised of representatives from each Component along with appropriate specialists from other DHS offices.
11. Coordinates with the Chief Information Security Officer on geospatial compliance with DHS information assurance and security policies.

C. The **Component heads** ensure that a Geospatial Information and Technology Program is implemented within their Components in accordance with this Directive.

D. The **Component Chief Information Officers:**

1. Appoint and designate a senior technology representative to be a member of the Geospatial Center of Excellence and provide resources for the execution of the Geospatial Information and Technology Program;
2. Communicate Departmental geospatial information and technology policies, processes, and procedures throughout the Component and ensure all Component employees and contractors are in compliance;
3. Promote the practice of geospatial information and technology by establishing and delivering DHS-wide training programs on geospatial information and technology within their respective Component and actively participating in the Geospatial Center of Excellence; and
4. Ensure that geospatial information and technology practices, principles, and information are incorporated into IT governance, portfolio management, capital planning, investment management, information assurance, and other processes related to the planning, acquisition, security, and maintenance of information technology for DHS.

E. The **DHS Geospatial Center of Excellence:**

1. Is chaired by the DHS Geospatial Information Officer;
2. Provides governance and oversight for the DHS Geospatial Information and Technology Programs;
3. Provides technical input to many issues dealing with the Geospatial Information and Technology Programs, this Directive, and any Implementing Instruction; and
4. Meets quarterly, when called by the DHS GIO or by special requests.

## V. Policy and Requirements

A. The primary objective of the Geospatial Information and Technology Program is to plan for, collect, and manage geospatial information and technology in a way that builds information partnerships across DHS, multiple levels of government, and the public and private sectors, while avoiding wasteful duplication of effort ensuring effective and economical management of geospatial resources.

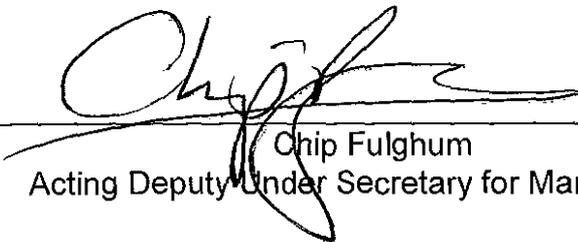
B. The DHS GIO standardizes geospatial information and technology policies across the Department to ensure geospatial IT functional excellence.

C. The DHS Geospatial Information and Technology Program complies with DHS Directives/Policies regarding:

- a. Personally Identifiable Information; and
- b. Information sharing and safeguarding.

## VI. Questions

Address any questions or concerns regarding this Directive to the Office of the Chief Information Officer, Geospatial Information Officer at [GMO@hq.dhs.gov](mailto:GMO@hq.dhs.gov).

  
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Chip Fulghum  
Acting Deputy Under Secretary for Management

JAN 28 2015

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Date