



*GITA Geospatially Enabling  
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# *Federal Initiatives Supporting Geospatial Data Coordination, Collaboration and Sharing*

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## ■ *TOPICS*

- *Federal-Wide Initiatives*
- *Interagency Activities*
- *Dept of Homeland Security Efforts*



## ■ *Federal Geographic Data Committee*

- *Established by Office of Management and Budget (OMB) in 1990*
- *19 Member Agencies*
- *Facilitates nationwide data publishing effort known as the National Spatial Data Infrastructure (NSDI)*
  - *A physical, organizational, and virtual network designed to enable the development and sharing of the nation's digital geographic information resources*



## ■ *Federal Geographic Data Committee*

- *Policy, Planning and Coordination*
- *NSDI Clearinghouse*
- *Standards*
  - *Metadata*
  - *Framework Layers*
- *Training*
- *Grants*
  - *NSDI Cooperative Agreement Program Grants - Fifty States Initiative*



# ■ *Federal Geographic Data Committee*

## – *Fifty States Initiative*

- *Partnership with National States Geographic Information Council (NSGIC)*
- *Strategic and Business Plan Development in Support of the NSDI*
- *Promotes coordination of State-Wide programs, policies, technologies and resources*
  - *Encourage coordination, collection, documentation, discovery, distribution, exchange and maintenance of geospatial information*
- *[http://www.nsgic.org/hottopics/fifty\\_states.cfm](http://www.nsgic.org/hottopics/fifty_states.cfm)*



- *Federal Geographic Data Committee*
  - *Florida Fifty States Initiative Grant Awarded in 2007*
    - *Strategic Plan available*
      - <http://www.floridadisaster.org/GIS/CAPGRANT/>
    - *Points of Contact*
      - *Richard Butgereit, richard.butgereit@em.myflorida.com*
      - *Ric Dugger, rdugger@admin.fsu.edu*

## ■ *Geospatial One-Stop*

- *A geoportal used to discover and access geospatial information and associated geospatial services*
  - *A key element of Spatial Data Infrastructures*
- *First implemented in 2003 as part of an OMB E-Government initiative*
  - *Data owners publish metadata to a centralized catalog database, users discover through simple browser*
- *<http://gos2.geodata.gov>*



## ■ *Program Partners Working Group*

### – *Partners*

- *US Geological Survey*
- *National Geospatial-Intelligence Agency*
- *Dept of Homeland Security*

### – *Establish and maintain a program to provide geospatial information for homeland security*

- *Homeland Security Infrastructure Program (HSIP)*
- *Partners coordinate their program budgets to support common goals*



## ■ *Program Partners Working Group*

### – *Raster Data - Imagery and Elevation Subgroup*

- *Information Requirements, Partnerships and Acquisition Primarily for High Resolution Orthoimagery*
- *Extensive Coordination with State and Local Partners via USGS NSDI Liaison Staff*

### – *Vector Data - HSIP Freedom Subgroup*

- *Information Requirements, Partnerships and Acquisition Primarily for State Sourced Emergency Management Data*
- *State Partners, USGS NSDI Liaison Staff and NGA Contractor Coordination*



- *Homeland Infrastructure Foundation  
Layer Database Working Group (HIFLD)*
  - *Established in February 2002*
  - *Voluntary coalition of federal, state, and local government organizations, and private industry partners dealing with geospatial issues related to:*
    - *Homeland defense*
    - *Homeland security*
    - *Civil Support*
    - *Emergency Preparedness and Response*



## ■ *Homeland Infrastructure Foundation Layer Database Working Group (HIFLD)*

### *– Charter Members*

- *Dept of Defense, Asst Secretary-Homeland Defense*
- *National Geospatial-Intelligence Agency*
- *Dept of Homeland Security*
- *US Geological Survey*



- *Homeland Infrastructure Foundation  
Layer Database Working Group (HIFLD)*
  - *Focus on identification and acquisition of  
authoritative data sources for HSIP*
  - *Recent Initiatives*
    - *Outreach to National States Geographic Information  
Council (NSGIC)*
    - *Beginning to establish Regional HIFLD forums*
  - *<https://www.hifldwg.org/>*



## ■ *DHS Geospatial Data Model (GDM)*

- *Supports DHS move toward Geospatial Services Oriented Architecture*
- *Baseline reference for a geospatial metadata registry*
- *Cost-reduction driver to eliminate duplication*
- *Standardized acquisitions & outsourcing template*
- *Template for common operating views*
- *<http://www.fgdc.gov/dhsgdm>*



## ■ *DHS Geospatial Data Model*

- *Template for sharing Homeland Security geospatial datasets across all levels of government*
- *Beta implementation of DHS GDM Schema Generation Tool available from FGDC website*
  - *Web-based application that generates GIS-ready data schema directly from the Homeland Security Geospatial Data Model*
  - *<http://gmo.traversetechnologies.com/>*



## ■ *NSGIC GIS Inventory (a.k.a. Ramona)*

- *Primary purpose is to track the status of GIS in state and local government to aid the planning and building of Spatial Data Infrastructures*
- *DHS provides funding to improve state and local participation in populating the inventory*
  - *Training*
  - *System architecture improvements*
- *<http://www.gisinventory.net/>*



- *Geospatial Guidance for Grants*
  - *Homeland Security Grant Program*
    - *Strategic Planning and Operational Considerations*
    - *Content Recommendations (Including DHS GDM)*
    - *Information on Federal Initiatives*
  - *[http://www.fema.gov/pdf/government/grant/hsgp/fy08\\_hsgp\\_guide\\_geospatial.pdf](http://www.fema.gov/pdf/government/grant/hsgp/fy08_hsgp_guide_geospatial.pdf)*



## ■ *FGDC Homeland Security Working Group (HSWG)*

### – *NSDI Homeland Security and Homeland Defense Coordination*

- *Access Guidelines*
- *Emergency Response Symbolology*
- *DHS GDM Comment Resolution and Adjudication*
- *US National Grid*



# ■ **FGDC HSWG**

## – *Participation*

<i>Environmental Protection Agency (EPA)</i>	<i>Department of Justice (DOJ)</i>
<i>Federal Communications Commission (FCC)</i>	<i>Tennessee Valley Authority (TVA)</i>
<i>Department of Homeland Security (DHS)</i>	<i>United States Postal Service (USPS)</i>
<i>Army National Guard</i>	<i>National Security Agency (NSA)</i>
<i>Department of Agriculture (USDA)</i>	<i>National Aeronautics and Space Administration (NASA)</i>
<i>Department of Commerce (DOC)</i>	<i>National States Geographic Information Council (NSGIC)</i>
<i>Department of Defense (DOD)</i>	<i>Urban and Regional Information Systems Assoc (URISA)</i>
<i>Department of Energy (DOE)</i>	<i>National Association of Counties (NACo)</i>
<i>Department of the Interior (DOI)</i>	<i>Geospatial Information and Technology Assoc'n (GITA)</i>

– <http://www.fgdc.gov/participation/working-groups-subcommittees/hswg>



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■ *URLs*

- *[http://www.nsgic.org/hottopics/fifty\\_states.cfm](http://www.nsgic.org/hottopics/fifty_states.cfm)*
- *<http://www.floridadisaster.org/GIS/CAPGRANT/>*
- *<http://gos2.geodata.gov>*
- *<https://www.hifldwg.org/>*
- *<http://www.fgdc.gov/dhsgdm>*
- *<http://gmo.traversetechnologies.com/>*
- *<http://www.gisinventory.net/>*
- *[http://www.fema.gov/pdf/government/grant/hsgp/fy08\\_hsgp\\_guide\\_geospatial.pdf](http://www.fema.gov/pdf/government/grant/hsgp/fy08_hsgp_guide_geospatial.pdf)*
- *<http://www.fgdc.gov/participation/working-groups-subcommittees/hswg>*

