



***Homeland Infrastructure Foundation
Level Data (HIFLD) Overview and
Map Tools Available for State and
Local Governments***



**NCTCOG Regional GIS Meeting
May-11 2011, Allen, Texas**



Michael Ouimet
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HTTR Gulf Coast Region (AL, LA, MS, TX)

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Agenda

- I. **HIFLD** Program Overview

- II. **HSIP** Freedom and HSIP Gold Datasets

- III. **HSIN** Portal Access

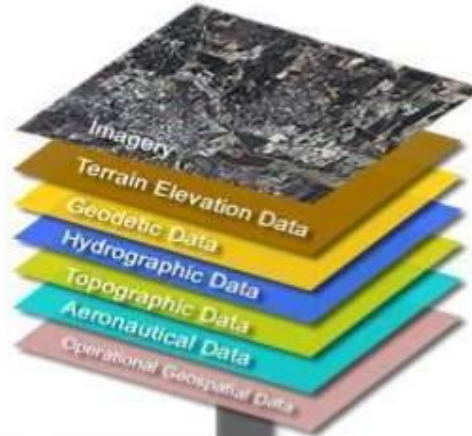


HIFLD to the Regions (HIFLD)

Support Domestic Infrastructure Data Gathering, Sharing and Protection, Visualization, and Spatial Knowledge Management for Homeland Defense, Homeland Security and Emergency Preparedness, Response and Recovery Communities



Infrastructure Data



Foundation Data



1. Everyone Wants Situational Awareness
2. Everyone Wants a Common Operational Picture
3. Both Require Common Foundation Data from Authoritative Sources - Everything has location



HTTR Phased Implementation



Four HIFLD Official Members



October 2007

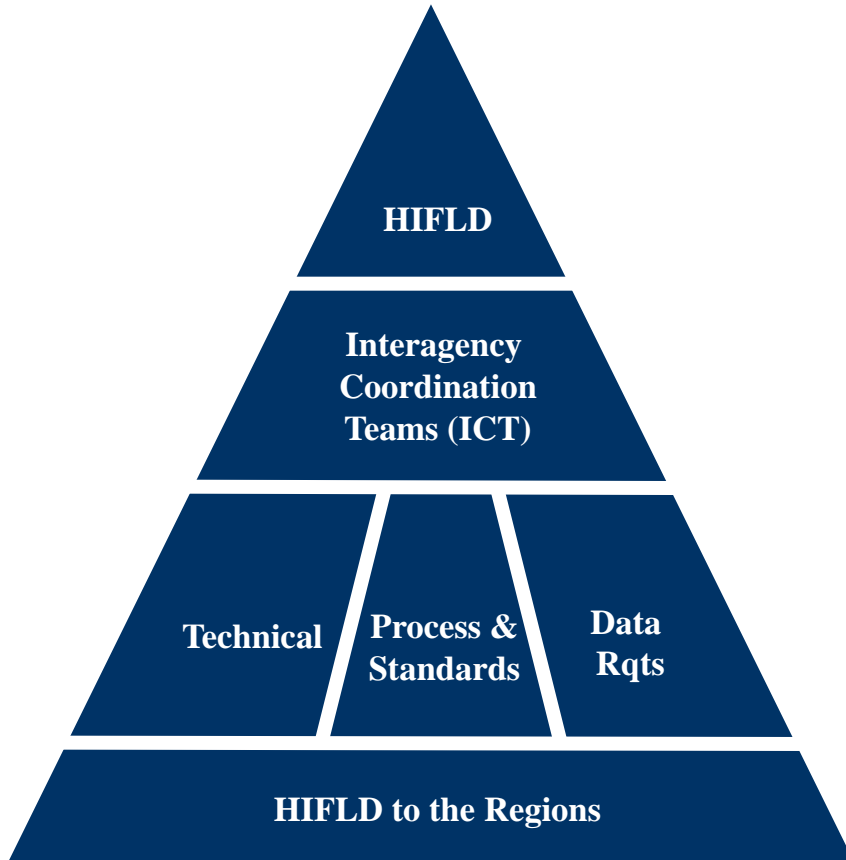


Over 3,500 Contributing Partners





HIFLD Organizing Structure



HIFLD provides an organization structure to:

- Enhance situational awareness & support to HLS/HD infrastructure protection activities
- Support the Information Sharing Environment
- Share best practices
- Build, enhance, sustain partnerships
- Provide resources for approved activities

ICTs work together across the partnership to:

- Provide technical support to HIFLD activities
- Process and standards implementation for missions/operations
- Update governing/planning documents
- Develop, validate and prioritize requirements

Current HIFLD Programs promote:

- Common foundation infrastructure data
- Enhanced partnership/participation at the State level
- Increased Awareness of Federal support, data, tools and training
- Understand / help resolve regional data and technical requirements



HIFLD to the Regions (HTTR)

Requested by:

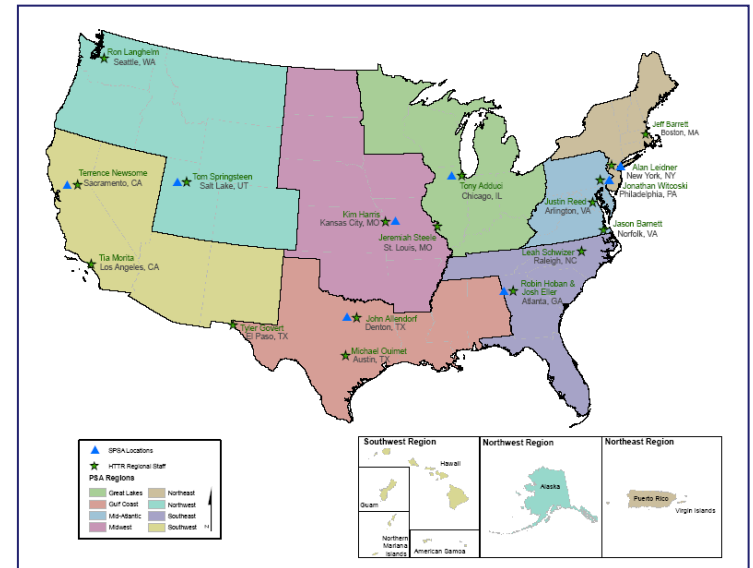
National States Geographic Information Council

Mission:

Work with HIFLD members and contributing partners in the Protective Security Advisor (PSA) Areas involved with Homeland Defense, Homeland Security and Emergency Preparedness, Response and Recovery to promote domestic infrastructure information gathering, sharing and protection, visualization and spatial analysis

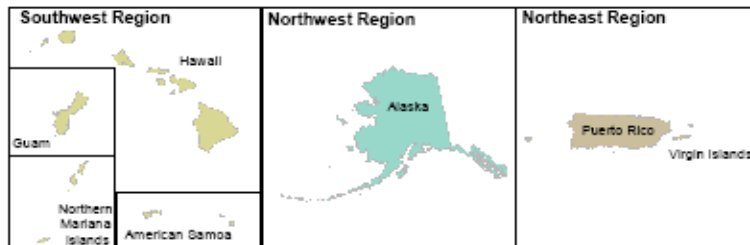
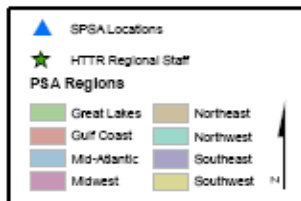
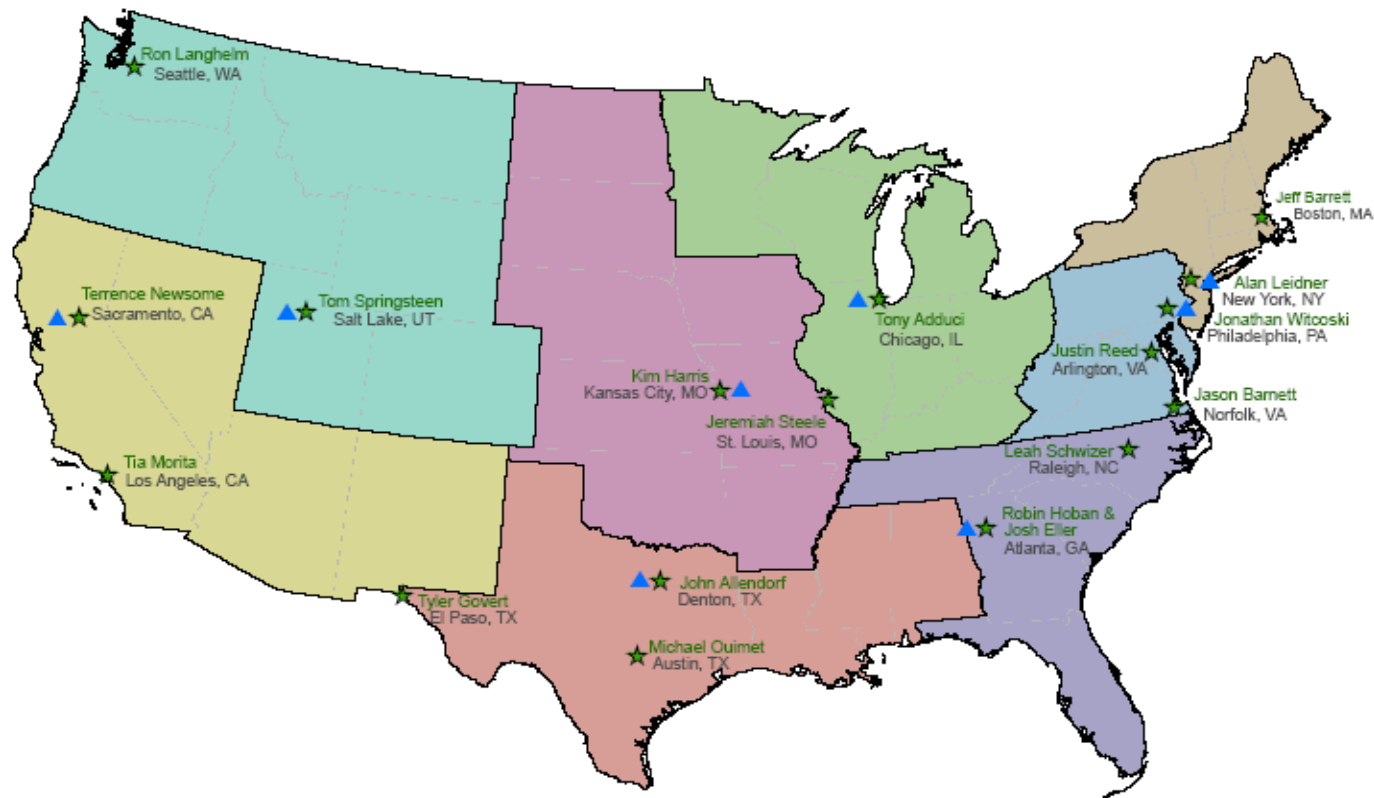
Purpose:

To advance the success of the national level HIFLD Working Group into the eight PSA Areas focusing HIFLD support on state and local priorities and issues to bring those communities together to increase and enhance regional activities and to strengthen Federal, State and private sector partnerships





HIFLD to the Regions (HTTR)





Visit the HIFLD Website

1) MUST be a Fed/State/Local Gov't member

- Government contractors provide contact info for your government sponsor

2) Access can be requested via non-passworded website (<http://www.hifldwg.org>)

- “How to Join” link at top of page
- Web-based access request template

HIFLD
Homeland Infrastructure Foundation Level Data Working Group

home | about us | library | data | applications | roster | calendar | tools | HSPD | log out | admin

Welcome Justin M Sherin | [edit my user info](#)

Latest News

DHS Homeland Security Geospatial Data Model v2.7

The Department of Homeland Security (DHS) Geospatial Management Office (GMO) developed the DHS geospatial data model (GDM) to support geospatial interoperability and information sharing. Geospatial operations at the DHS will be based on the model, as will data exchanges with allies in the homeland security and disaster management community. The development of the model began in 2005 by the GMO to provide an open, standards-based model for use by the homeland security community. The initial design, and subsequent revisions, have incorporated existing, openly-accessible Federal and industry standards and practices. Version 2.7 now incorporates the firehazmat data model developed in partnership with the National Association of State Fire Marshals and the Metropolitan Fire Chiefs, a member organization of both the National Fire Protection Association (NFPA) and the International Association Fire Chiefs (IAFC). In addition, the GDM has been updated with the latest version of HSPD Gold (Version 2008) as well as the Infrastructure Taxonomy (Version 2.0). The model is fully harmonized with NEM 2.0 and the GMO is coordinating the oversight of the Geospatial domain within NEM.

Please visit and download the GDM Version 2.7 at the FGDC site. Feedback can also be provided through this site:
[DHS Homeland Security Geospatial Data Model](#)

Update to HSPD Gold 2008 GNIS Datasets

An error has been identified with GNIS datasets contained within the new release of HSPD Gold 2008. These datasets include PopulatedPlaces, HousesOfWorship, Springs and Reservoirs. The spatial location of these datasets have been corrected and made available for immediate download following the links below.

Geodata Base Name	Feature Class Name
Geonames	PopulatedPlaces
PublicPlaces	HousesOfWorship
WaterSupply	Springs
WaterSupply	Reservoirs

NGA and the HIFLD Working Group encourage the continued use of the HSPD Gold Feedback Mechanism as a sustained effort of refining the National Foundation level information within USFIS GDM.

Next HIFLD Meeting

Dates:
July 9-10, 2009

Location:
San Diego State University
San Diego, CA

Theme:
This meeting is designated to bring together Sector Specific Agency(SSA) Leads and Defense Critical Infrastructure Program (DCIP) Sector Lead Agencies (SLAs) for the identification, acquisition and use of common homeland geospatial data/applications for shared use in the Transportation Sector among National and DoD Infrastructure. Other topics of general interest to the geospatial Homeland Defense/Homeland Security (HDHS) Emergency Response Community will also be discussed.

Registration:
Please [register here](#) if you plan to attend. There will be NO on-site registration.

Official Announcement

Hotels



Visit the HIFLD Website

3) HIFLD Website Content:

- Information and on-line registration for upcoming HIFLD meetings
- Agendas, attendee lists, briefings, and minutes from previous meetings
- Searchable library of HIFLD and homeland infrastructure-related documents
- Roster and contact info for HIFLD WG
- Federal geospatial data guidance
- On-line HSIP Gold data request form
- On-line HSIP Gold feedback mechanism

HIFLD
Homeland Infrastructure Foundation-Level Data Working Group

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Registration:
Please [register here](#) if you plan to attend. There will be NO on-site registration.

Login Code: HIF51145
Deadline: 6 July

Official Announcement
Hotels

NGA and the HIFLD Working Group encourage the continued use of the HSIP Gold Feedback Mechanism as a sustained effort of refining the National Foundation-level information within HSIP Gold.

Homeland Security Infrastructure Program

HSIP Gold 2010 Update

June 2010

Steve Aness

Chief, Domestic Preparedness Branch

HSIP Manager/Partnerships & Outreach

North America & Homeland Security Division

NGA



NGA PMHP
Domestic
Preparedness
Branch



Role in Homeland Security and Disasters

Operating Assumption

- Apply NGA's GEOINT expertise -- critical for our traditional foreign intelligence mission-- to the Domestic Homeland mission

Mission

- To provide GEOINT needed to prepare for, deter, prevent, and respond to domestic terrorist threats and natural disasters

Key Homeland Business Areas

- Disaster Readiness, Response, & Recovery
- Support to Domestic Counterterrorism Analysis & Ops.
- Support to Foreign Counterintelligence Analysis & Ops.
- National Security Special Events (NSSE)
- Special Security Events (SSE)
- Domestic Geospatial Data Acquisition & Integration



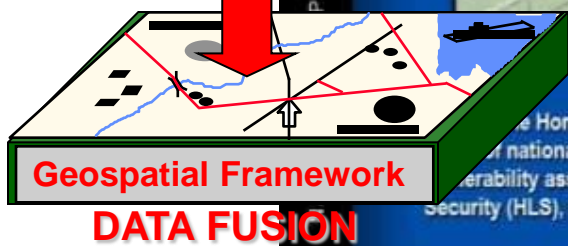
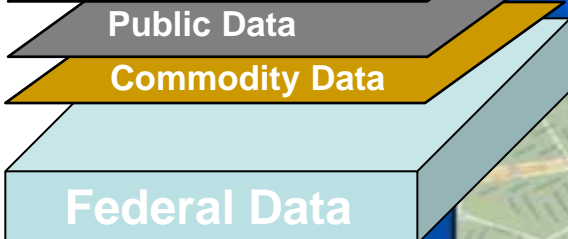
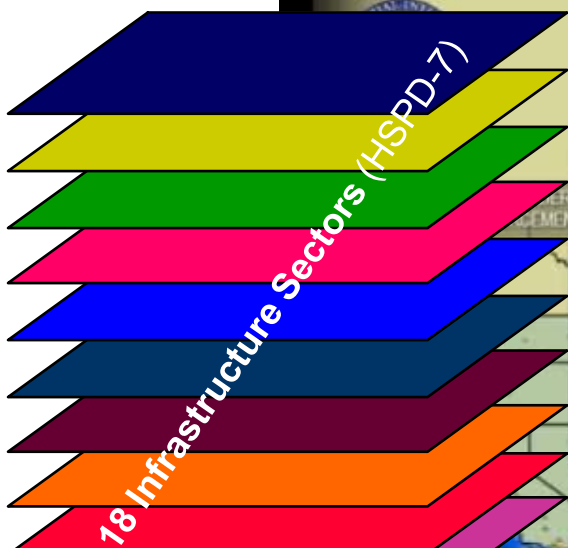


Homeland Security Infrastructure Program (HSIP) Mission Statement

To aggressively capture, integrate and provide the Homeland Security, Homeland Defense and Emergency Preparedness, Response and Recovery community with **common operational geospatially enabled baseline data** - create a user defined operational picture to analyze threat, support critical infrastructure protection and expedite readiness, response and recovery in the event of a man-made or natural disaster.



Homeland Security Infrastructure Program (HSIP)



HSIP Gold

Homeland Security Infrastructure Program

BOUNDARIES • CHEMICAL • COMMUNICATIONS • EDUCATION • ENERGY • FINANCE
MANUFACTURING • PUBLIC HEALTH • PUBLIC VENUES • TRANSPORTATION



Mission

Provide the Homeland Security Community with a common operational picture of integrated national infrastructure and critical asset information. Support modeling and simulation, vulnerability assessments, and the visualization of critical infrastructures for the Homeland Security (HLS), Homeland Defense (HLD), and Emergency, Preparedness & Response missions.

UNCLASSIFIED//FOUO

National Geospatial-Intelligence Agency

HSIP GOLD 2010



DVD 1 OF 2
Infrastructure Data

UNCLASSIFIED//FOUO

**FEDERAL LEVEL
DISSEMINATION**

UNCLASSIFIED//FOUO

HSIP FREEDOM



via HSIN

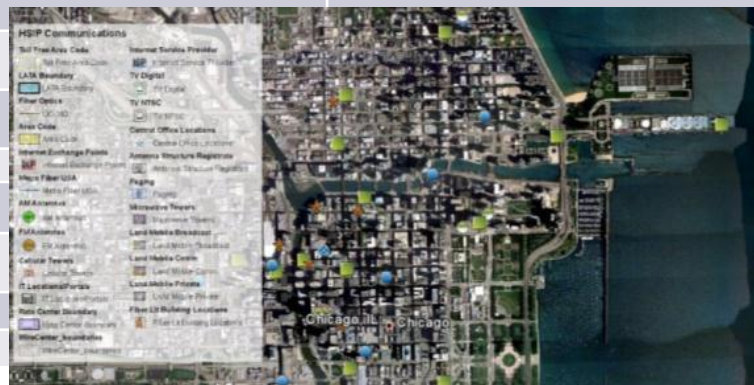
UNCLASSIFIED//FOUO

**FEDERAL, STATE & LOCAL
LEVEL DISSEMINATION**



HSIP Sample Datasets

Energy and Chemical	Communication and IT	Emergency Services	Government Facilities
Alternative Fueling Stations	AM Antennas	Fire Stations	ARNG Field Maintenance Shop
Propane Locations	FM Antennas	EMS	ARNG Unit Training Equip Sites
Mines	TV B Contours	911 Service Boundaries	ARNG Aviation Facilities
Coal Fields US	TV Digital Station Transmitters	National Shelter System	OFO Facilities
Nuclear Fuel	Antenna Structure Registrars	FEMA REGIONS	ANG Installation Areas
Uranium Mining	Broadband Radio Service (BRS) Transmitters	OBP Sector Headquarters	ANG Sites
Plume Exposure Pathway EPZ	Call-sign Service Boundaries	OBP Sectors Detailed	Army Recruiting Centers
EPA Regions	Cellular Towers	OBP Stations	ARNG Readiness and Response Center
EPA FRS Facilities	Land Mobile Commercial	Local Emergency Operations Centers	ARNG Training Centers
Hazmat Routes	Land Mobile private	Red Cross Divisions; HQ; Regions	Schools; Colleges; Universities
	Microwave Towers	State EOCs	Federal Lands
	Internet Exchange Points	Hurricane Evacuation Routes	Flight Schools
	Internet Service Provider	DOI US Park Police; BIA; BLM; FWS; NPS	Fusion Centers
	IT Locations Portals	FBI Field and Resident Agency Office	Governors Mansions



Joint Forces Headquarters
Diplomatic Missions Offices
USACE Districts; Divisions
USARMY Reserves Locations
USCG Sectors; Units
WMD Civil Support Teams
Defense Sites
Indian Lands



Government Data Providers

State/Local Government

U.S. Department of Agriculture (USDA)

Forest Service

U.S. Department of Commerce (DOC)

U.S. Census Bureau

National Oceanic and Atmospheric Administration (NOAA)

U.S. Department of Defense (DoD)

National Geospatial-Intelligence Agency (NGA)

Defense Installation Spatial Data Infrastructure (DISDI)

Defense Contract Management Agency (DCMA)

U.S. Army

U.S. Army Corps of Engineers (USACE)

National Guard Bureau (NGB)

Air National Guard (ANG)

Army National Guard (ARNG)

U.S. Department of Energy (DOE)

Office of Energy Efficiency & Renewable Energy

National Renewable Energy Lab (NREL)

Office of Science

Oak Ridge National Laboratory (ORNL)

U.S. Department of Health & Human Services (HHS)

U.S. Department of the Interior (DOI)

Bureau of Indian Affairs (BIA)

Minerals Management Service (MMS)

U.S. Fish and Wildlife Service

U.S. Geological Survey (USGS)

National Park Service

U.S. Department of Transportation (DOT)

Federal Aviation Administration (FAA)

Federal Railroad Administration (FRA)

Bureau of Transportation Statistics

U.S. Department of Veterans Affairs (VA)

U.S. Environmental Protection Agency (EPA)

U.S. General Services Administration (GSA)

U.S. Nuclear Regulatory Commission (NRC)

U.S. Postal Service (USPS)

Federal Communications Commission (FCC)

Federal Deposit Insurance Corporation (FDIC)

National Credit Union Administration (NCUA)

Non-Governmental Organizations

American Red Cross (ARC)

Geospatial Multi-Agency Coordination

U.S. Department of Homeland Security (DHS)

Federal Emergency Management Agency (FEMA)

U.S. Coast Guard (USCG)

U.S. Customs and Border Protection (CBP)

Office of the Border Patrol



HSIP Gold 2010 Commodity Data

NAVTEQ Corporation

- *Transportation*
- *Core Points of Interest (hotels, restaurants, gas stations etc)*
- *Extended Points of Interest (business points of interests)*
- *3D City info, 3D Landmarks, Speed Limits etc*

Ventyx

- *Electrical Energy*

PLATTS

- *Oil and Natural Gas*

Techni Graphic Systems (TGS)

- *Industrial PinPointer*



HSIP Gold 2010 Update

Total Number of 2008 Data Layers:	333
Total Number of 2010 Data Layers:	336
Change in Total Number of Data Layers	+3

- Unchanged Layers: 140 (40%)
- New Layers: 59 (18%)
- Updated Layers*: 103 (30%)
- Replaced Layers**: 39 (12%)
- 2010 includes full NAVTEQ product line, not all data is included in the individual layer count
- 2008 Layers Completely Deleted (i.e. 'gap') 35

* Updated Data Layers were provided by the same source for 2008 and 2010

** Replaced Data Layers were provided by a different source in 2010 (vs. 2008)



Updates for HSIP Freedom

- Total Number of 2008 Data Layers: 190
- Total Number of 2010 Data Layers: 232
- Change in Total Number of Data Layers: +42
 - Unchanged Layers: 104 (45%)
 - New Layers: 72 (31%)
 - Updated Layers*: 53 (23%)
 - Replaced Layers**: 4 (1%)
- Addition of 9 Partnership Layers After Full Concurrence is Achieved

(Fire Stations, Correctional Facilities (Prisons and Jails), EMS Stations, Law Enforcement, Hospitals, Urgent Care, Places of Worship, Nursing Homes, Public Health Departments)

**Updated Data Layers were provided by the same source for 2008 and 2010*

***Replaced Data Layers were provided by a different source in 2010 (vs. 2008)*



Download HSIP Freedom data at HSIN GIS Portal

- To gain access to HSIN send an email to HSIN.helpdesk@dhs.gov with the following information below:
 1. Name
 2. Official Email Address
 3. Organization
 4. Phone Number
 5. Supervisor's name
 6. Community of Interest (i.e. Geospatial Information Systems (GIS), Emergency Management)



Download HSIP Freedom data at HSIN GIS Portal

- **If you are not a Federal, State, or Local government employee you will need a sponsor. Your sponsor must be a Federal, State, or Local government employee. Requests will not be processed without this information.**

Please add information below to request:

- 1. Government Sponsor's Name**
 - 2. Government Sponsor's Official Email**
 - 3. Government Sponsor's Organization**
 - 4. Government Sponsor's Phone Number**
- **If you already have an HSIN account, but are requesting access to another Community of Interest (COI), please send the same information to the HSIN.Helpdesk@dhs.gov and specify the GIS and EM COIs**



HSIN GIS Portal

The screenshot shows the HSIN GIS Portal in Internet Explorer. The browser address bar displays <https://cs.hsin.gov/C15/Sectors/default.aspx>. The page features a blue header with the HSIN-CS logo and navigation links: CS Home, Sectors, DHS Document Highlights, Daily OSIR, Cyber Information, User Information, and Connect!. A search bar is located in the top right of the header area.

The main content area is titled "Current Location CS Home > Sectors" and includes a search bar with the text "This topic". Below this, there is a "System Announcements" section with a table header: Severity, Title, Created, Created By, and Body. A message states: "There are no items to show in this view of the 'Sector Announcements' list. To create a new item, click 'New item' above."

The "HSIN-CS Sectors" section lists various categories:

- Critical Infrastructure Protection (CIP) Training
- Exercise Information
- Field Intelligence Officer (FIO) Portal
- Fusion Centers Landing Page
- Healthcare and Public Health Administration
- HITRAC NCIPP
- Industrial Control Systems Joint Working Group (ICSJWG)
- Infrastructure Protection (IP) Data Exchange Partnership
- TRIPwire Community Gateway

The "My Communities" section includes links for Federal, Geospatial Information System (circled in red), and HSIN Government Home.

The Windows taskbar at the bottom shows the Start button, several application icons, a system tray with a clock showing 9:48 AM, and a 100% zoom level.



HSIN GIS Portal

https://cs.hsin.gov/C15/Sectors/default.aspx - Windows Internet Explorer provided by Booz Allen Hamilton

https://cs.hsin.gov/C15/Sectors/default.aspx

File Edit View Favorites Tools Help

★ Favorites Web Slice Gallery

Microsoft Out... Blank Page https://cs.... x

Page Safety Tools ? >>

- Public Health
- HITRAC
- Industrial Control Systems Joint Working Group (ICSJWG)
- Infrastructure Protection (IP) Data Exchange Partnership
- TRIPwire Community Gateway

Industrial Control Systems Joint Working Group

TRIPwire Community Gateway

My Communities

Federal

- [Geospatial Information System](#)
- [HSIN Government Home](#)

Private Sector

- [HSIN Critical Sector Home](#)
- [Infrastructure Protection \(IP\) Data Exchange](#)

Actions

javascript:breakout('https://government.hsin.gov/sites/GIS')

Internet 400%

Start [Icons] 100% 9:53 AM



HSIN GIS Portal

Home - Geospatial Information System - Windows Internet Explorer provided by Booz Allen Hamilton

https://government.hsin.gov/sites/gis/default.aspx

File Edit View Favorites Tools Help

Home | Collaboration | Information Sharing & GIS Products | Situational Awareness/COP | HSIP Freedom | GeoCONOPS

HSIN Geospatial Information System

Membership Advanced Search Help Logout
Today is Wednesday, May 11, 2011

HSIN Geospatial Information System

Recently Updated Products

42 Results, showing items 1 - 40

Sort by Date (newest first) then group by Site | Add to My Links | Alert Me

Type	Name	Modified	Modified by	Size
Geospatial Information System				
	FOUO_20110505_1200_482_LouisianaFlooding_LA_PDF_36...	Yesterday	Samyan Love	7 MB
	MemphiswithImagery	5/6/2011	Carol McCaig	22 MB
	FOUO_HickmanKY	5/6/2011	Carol McCaig	7 MB
	Western_KY_SpringFlooding_05_04_11	5/5/2011	desta oconnor	16 MB
	FOUO_042811_241_Mapbook	5/3/2011	Samuel Libby	14 MB
	FOUO_20110429_0428_AlabamaTornadoDamage_CIKR_Incid...	4/29/2011	Carol McCaig	610 KB
	FOUO_RFI 371_MidwestFlooding_IOCs_PDF_update1_36x6...	4/1/2011	Elise Pittman	4 MB
	CREWCascadiaFinal	3/31/2011	Ronald Langhelm	33 MB
	FOUO_RFI342_MWFlooding_Combined_RR	3/15/2011	Samuel Libby	1 MB
	...	2/11/2011	desta oconnor	374 KB

Recent Incident Reporting

Sensitive But Unclassified

HSIN Database Version 1.0
Launch HSIN DB

Wednesday, May 11, 2011

Links

- HIFLD WG
- iCAV: Next Generation
- HSIP Freedom download instructions**
- USGS HDDS
- USGS National Map
- HAZUS
- DHS Earth
- Add new link

Search

This site

Take a Tour of HSIN

Training Page Site Directory
Training Courses HSIN HelpDesk
HSIN FAQs HSIN Newsletter

Contact HSIN Helpdesk: 1-866-430-0162

My Communities

Federal

Internet 150%

Start W.. 4 100% 9:56 AM



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HTTR Gulf Coast Region (AL, LA, MS, TX)

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