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

NCTCOG Regional GIS Meeting

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Michael Ouimet
HIFLD to the Regions (HTTR)

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

michael.ouimet@associates.dhs.gov

(512) 921-9671

Agenda

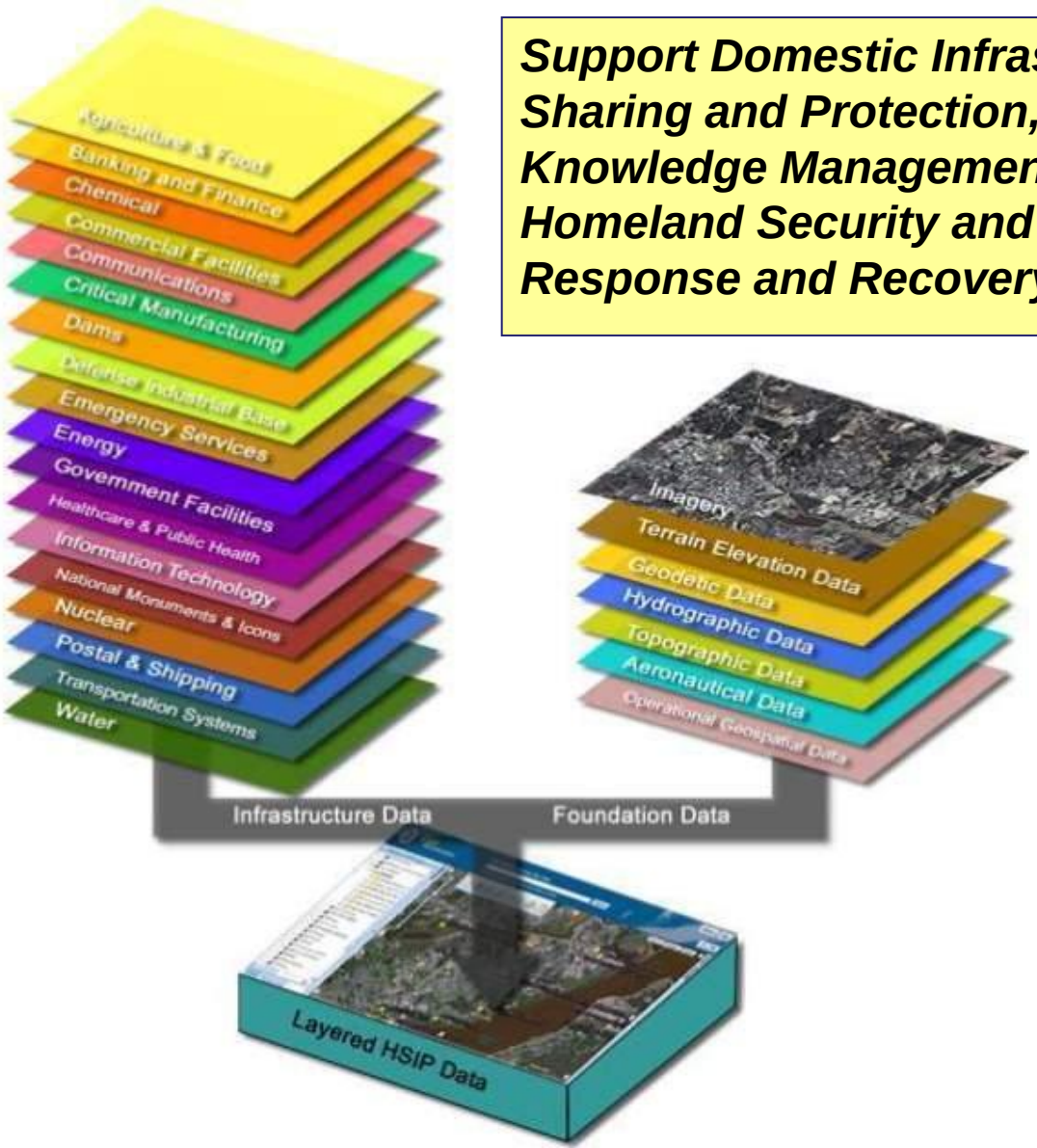
I. **HIFLD** Program Overview

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

III. **HSIN** Portal Access

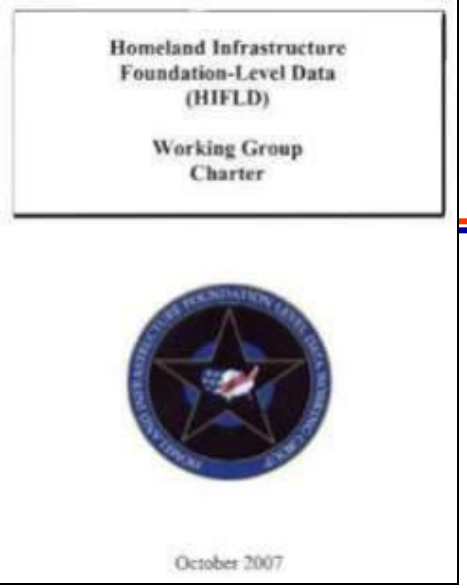
HIFLD to the Regions (HIFLD)

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



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

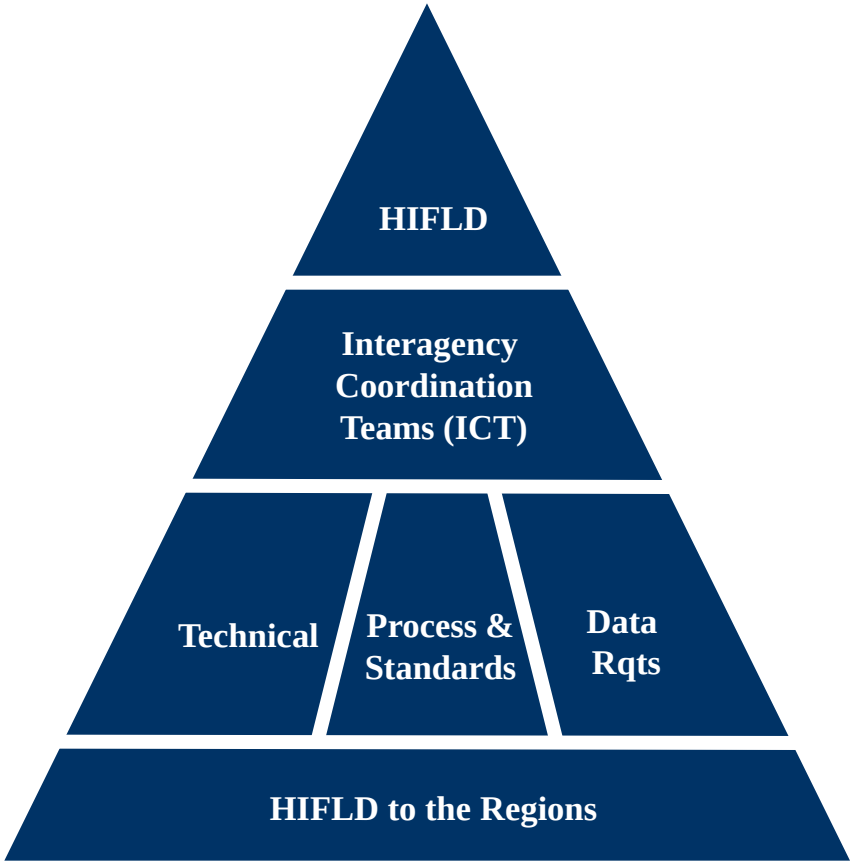
HTTR Phased Implementation



Four HIFLD Official Members

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

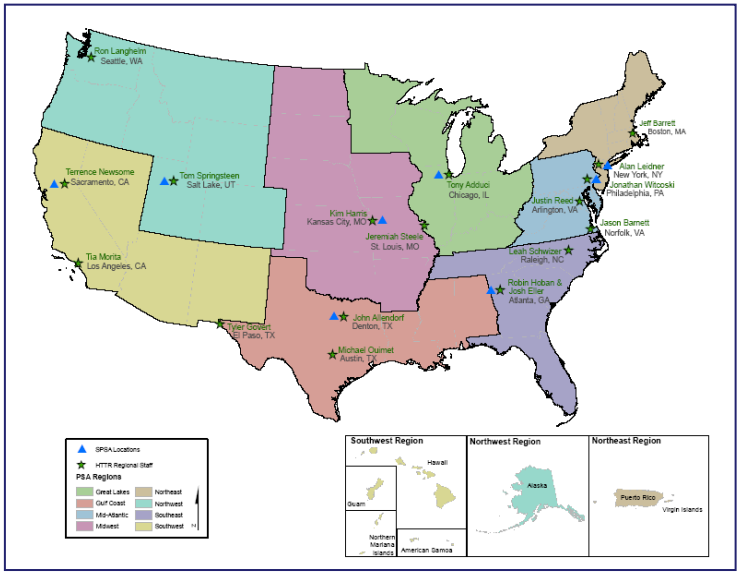
HIFLD to the Regions (HTTR)

Requested by:

National States Geographic Information Council

Mission:

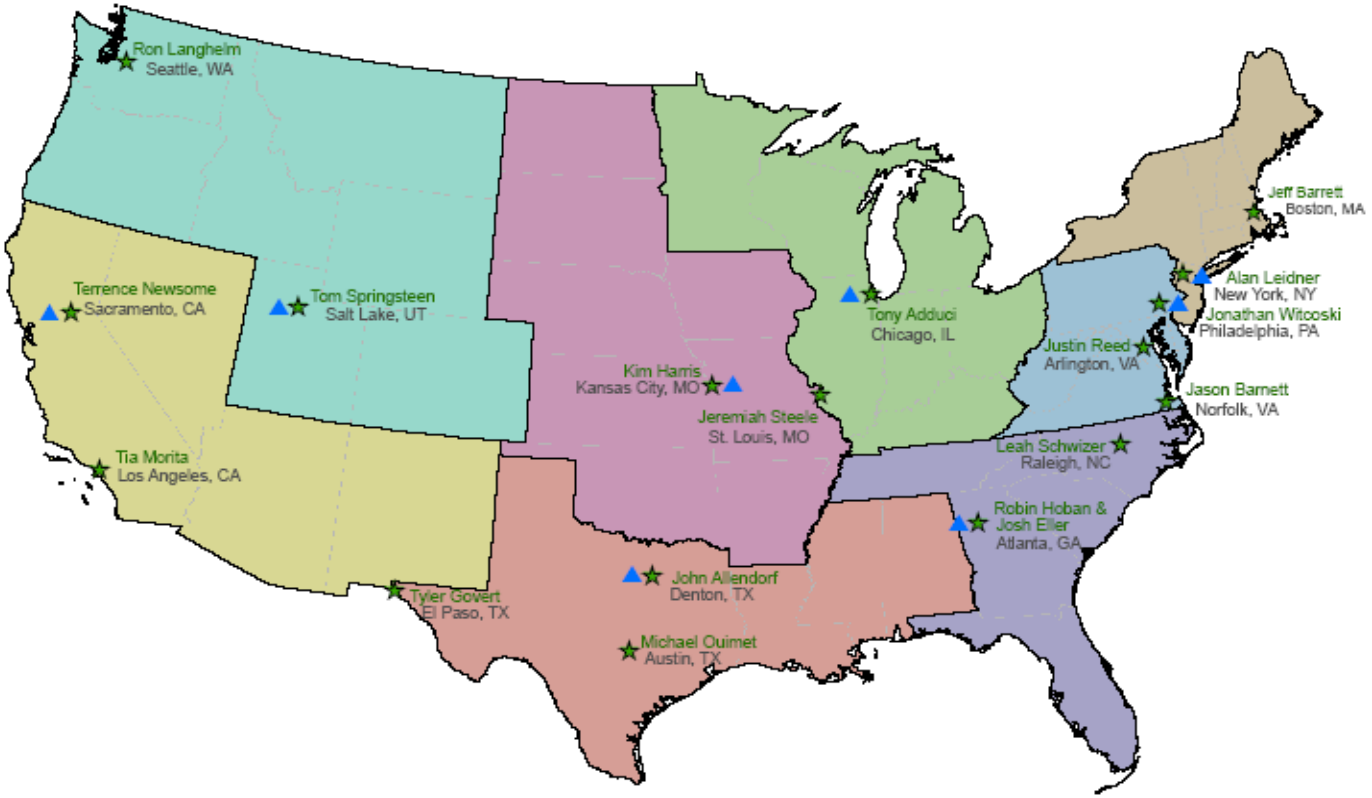
Work with HIFLD members and contributing partners in the Protective Security Advisor (PSA) Areas involved with Homeland Defense, Homeland Security and Emergency Preparedness, Response and Recovery to promote domestic infrastructure information gathering, sharing and protection, visualization and spatial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

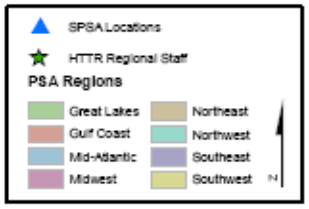


Purpose:

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**

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

Homeland Security Infrastructure Program

HSIP Gold 2010 Update

June 2010

Steve Alness
Chief, Domestic Preparedness Branch
HSIP Manager/Partnerships & Outreach
North America & Homeland Security Division
NGA

NGA PMHP
Domestic
Preparedness
Branch

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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

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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.

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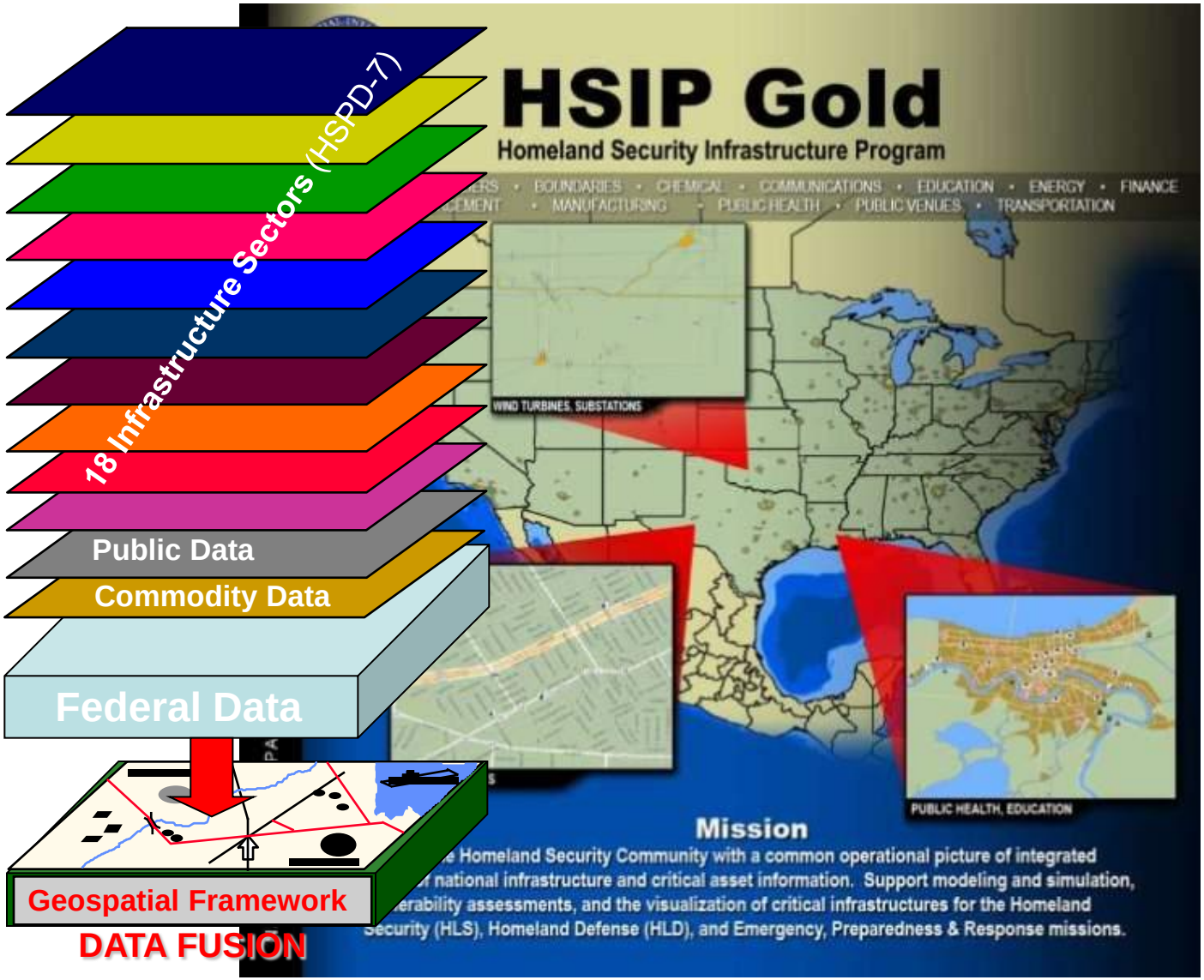
Homeland Security Infrastructure Program (HSIP)



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

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FEDERAL, STATE & LOCAL LEVEL DISSEMINATION

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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 Registrate	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

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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*

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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)

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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

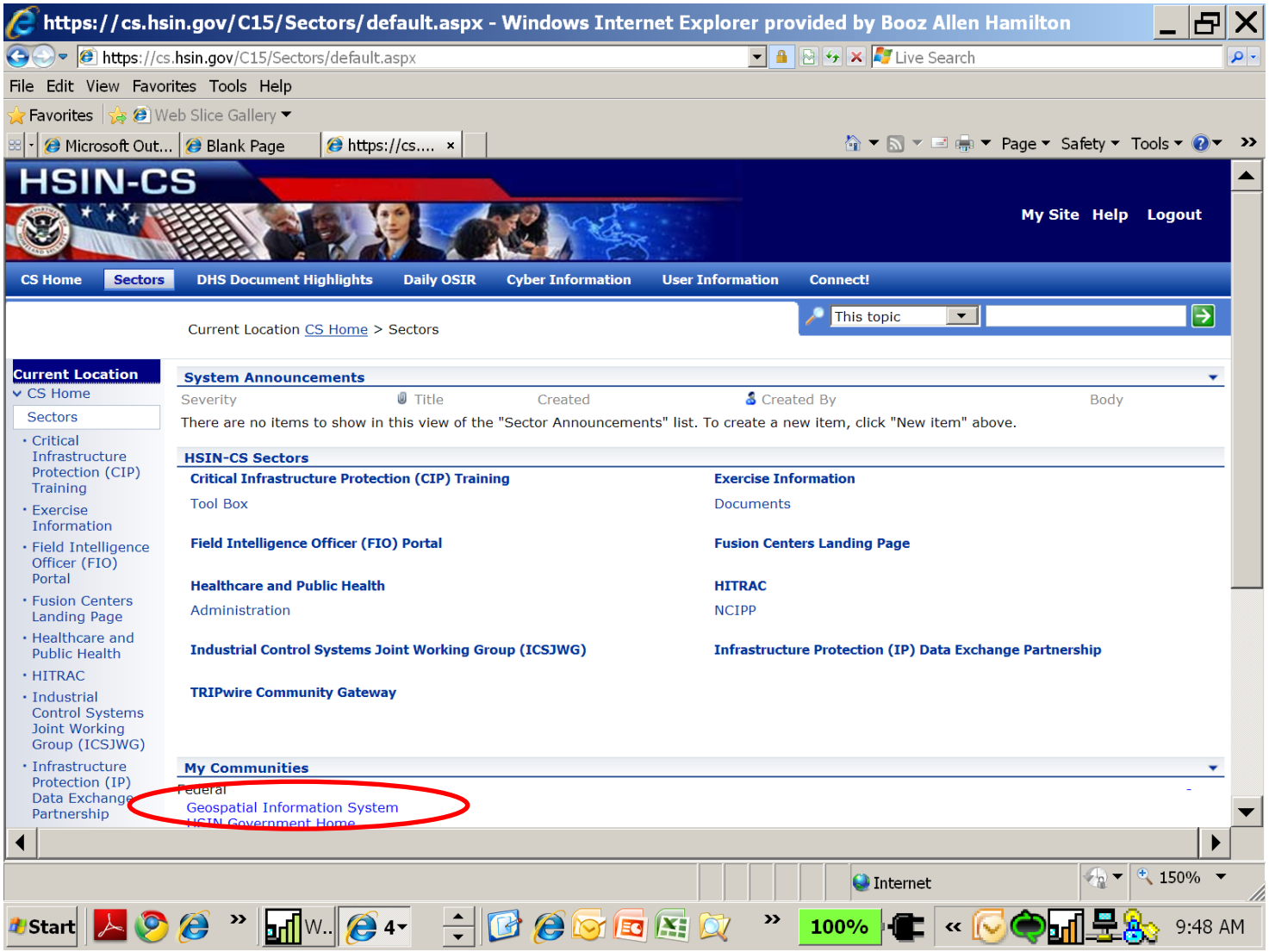
- **If you are not a Federal, State, or Local government employee you will need a sponsor. Your sponsor must be a Federal, State, or Local government employee. Requests will not be processed without this information.**

  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



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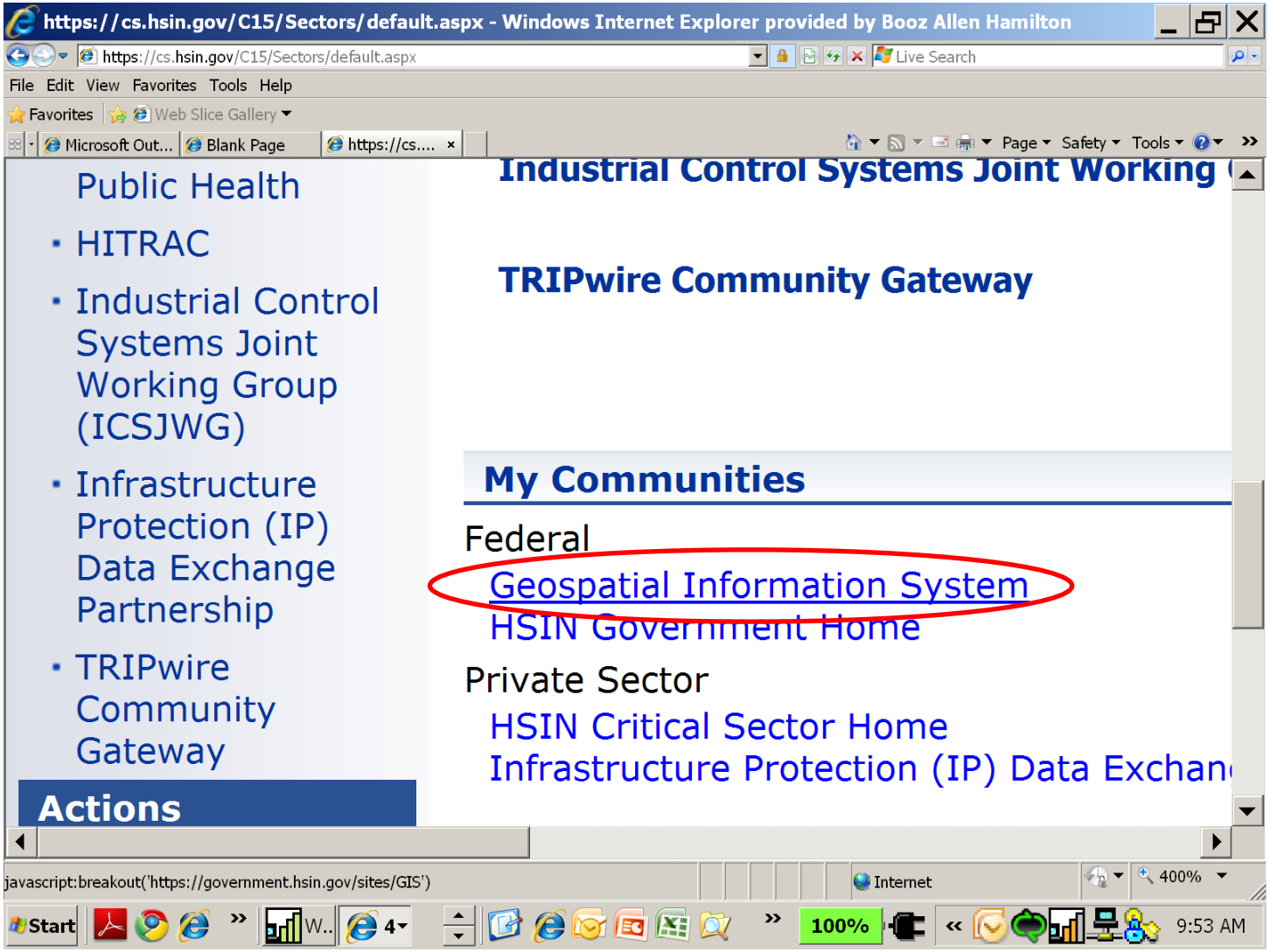

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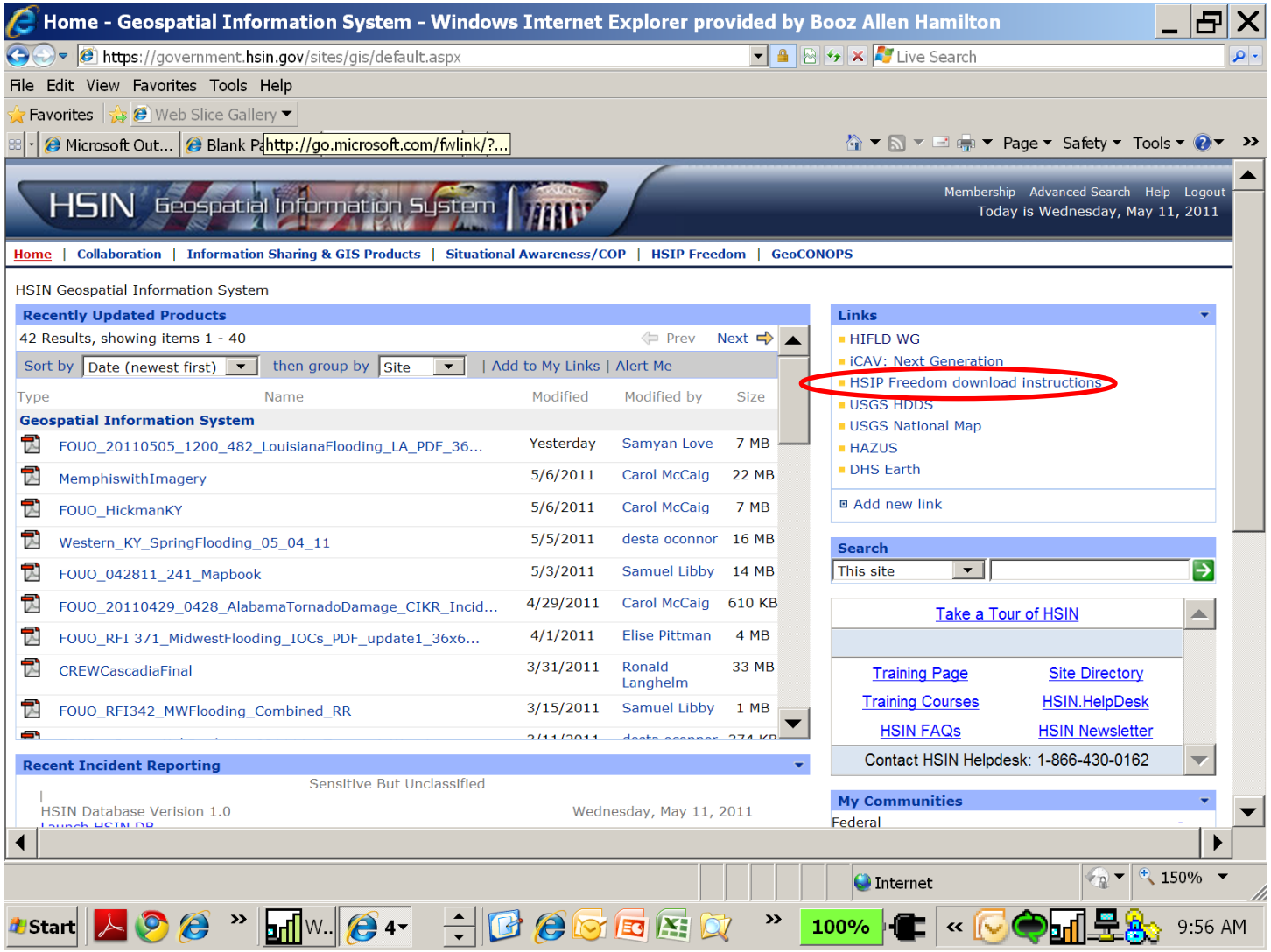

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