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# ***HIFLD & HSIP Gold Overview***



ESRI Federal User Conference  
February 2008

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# ***Bottom Line Up Front***

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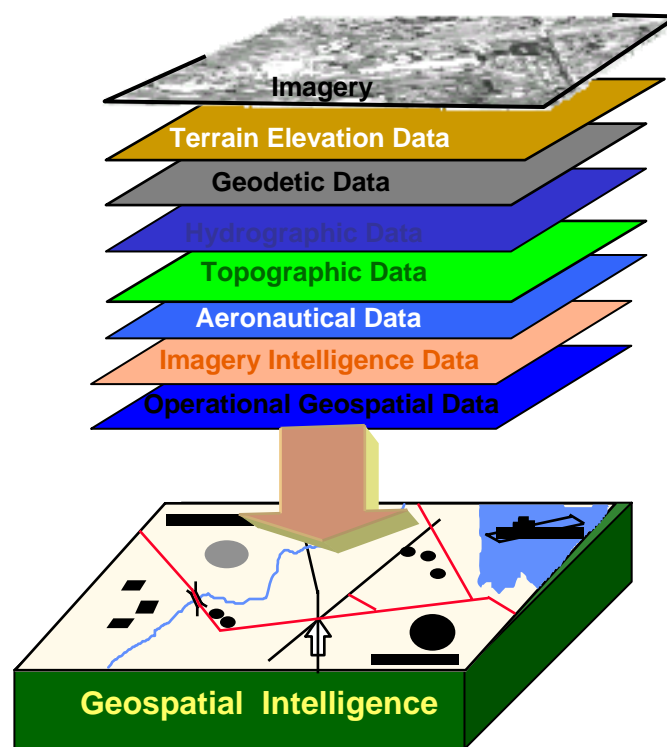
- ❑ Everyone Wants Situational Awareness
  
- ❑ Everyone Wants a Common Operational Picture
  - *Both Require Common Foundation Data from Authoritative Sources*

*HIFLD Supports Domestic Infrastructure Data Gathering, Sharing and Protection, Visualization, and Spatial Knowledge Management for Homeland Defense and Homeland Security*



# *HIFLD Objective*

The HIFLD Working Group will work within DoD, DHS and among their partners to promote domestic infrastructure geospatial information gathering, sharing and protection, visualization, and spatial knowledge management.





# ***HIFLD Audiences***

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- ❑ HSPD-7 CI/KR Sector Leads, Defense Critical Infrastructure Sector Leads and National Response Framework Emergency Support Functions Subject Matter Experts
- ❑ Organizations with Geospatial Data / Information Requirements
- ❑ Organizations with Geospatial Data Sources
- ❑ Geospatial Capability Providers – DHS iCAV, NGA Palanterra, Interagency Modeling and Atmospheric Assessment Center, National Labs, Industry, etc.



# ***HIFLD Sponsors and Some Key Interagency Participants***

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- ❑ OASD (Homeland Defense & Americas' Security Affairs):  
Defense Critical Infrastructure Program (DCIP)
- ❑ DHS: Office of Infrastructure Protection (OIP) Infrastructure  
Information Collection Division (IICD)
- ❑ NGA: Office of Americas (NGA-PM)
- ❑ USGS: National Geospatial Program Office (NGPO)

The National Labs, DCIP Sectors, Military Services, Defense Installations & Environment, DHS CI/KR Sectors, Department of Agriculture, Department of Health and Human Services, FDIC, Environmental Protection Agency, Department of Energy, Department of Treasury, Department of Interior, Joint Staff, DCMA - DIB, US NORTHCOM, US TRANSCOM, US JFCOM, National Guard Bureau, Mission Assurance Division, FEMA, US Coast Guard, DHS HITRAC, FCC, FBI, US Postal Service, Department of Commerce, Federal Protective Service, National Counter Terrorism Center, Department of Transportation and Centers for Disease Control, National State Geographic Information Council, State Fusion Centers



# ***HIFLD Members' Areas of Interest***

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- Homeland Defense and Homeland Security Operations
- Critical Infrastructure Protection – National and Defense
- Threat/Vulnerability Analysis
- Emergency Preparedness, Response and Recovery
- Infrastructure Modeling and Interdependency Analysis
- Man-Made and Natural Hazard Modeling
- Defense Support to Civil Authorities (DSCA)
- Crisis and Consequence Management (CrM/CM)
- Antiterrorism/Force Protection (AT/FP)
- Government Facilities Management
- Continuity of Government/Operations (COG/COOP)
- Training and Exercise Support



# ***HIFLD WG Completed Sessions***

Focused on National and Defense Critical Infrastructure Sectors:

- Jul 04: Transportation
- Sep 04: ISR and Threat (**classified**)
- Nov 04: Public Works / Energy
- Feb 05: Health Affairs / Emergency Services
- Apr 05: Telecom / Global Info Grid (GIG)
- Jun 05: Defense Industrial Base
- Aug 05: Chemical Industry & HAZMAT / Water
- Oct 05: Postal & Shipping / Defense Logistics
- Feb 06: **HSIP Gold V1 Data Feedback Session**
- Feb 06: Banking & Finance / Food & Agriculture
- Apr 06: Geospatial HD / HLS Project Work of National Labs
- Jun 06: Emergency Operations Centers Use of Geospatial Data
- Oct 06: Intelligence & Threat Monitoring and Reporting
- Jan 07: Government and Commercial Facilities
- Apr 07: Energy Sector and Defense Public Works Sector
- Jun 07: Man Made and Natural Hazards Modeling
- Aug 07: HSIP Gold V2, DHS HLS Data Model
- Nov 07: **HSIP Gold Data V2 Feedback Session**
- Jan 08: Sharing and Protecting Infrastructure Information



## ***Benefits of Participation in HIFLD***

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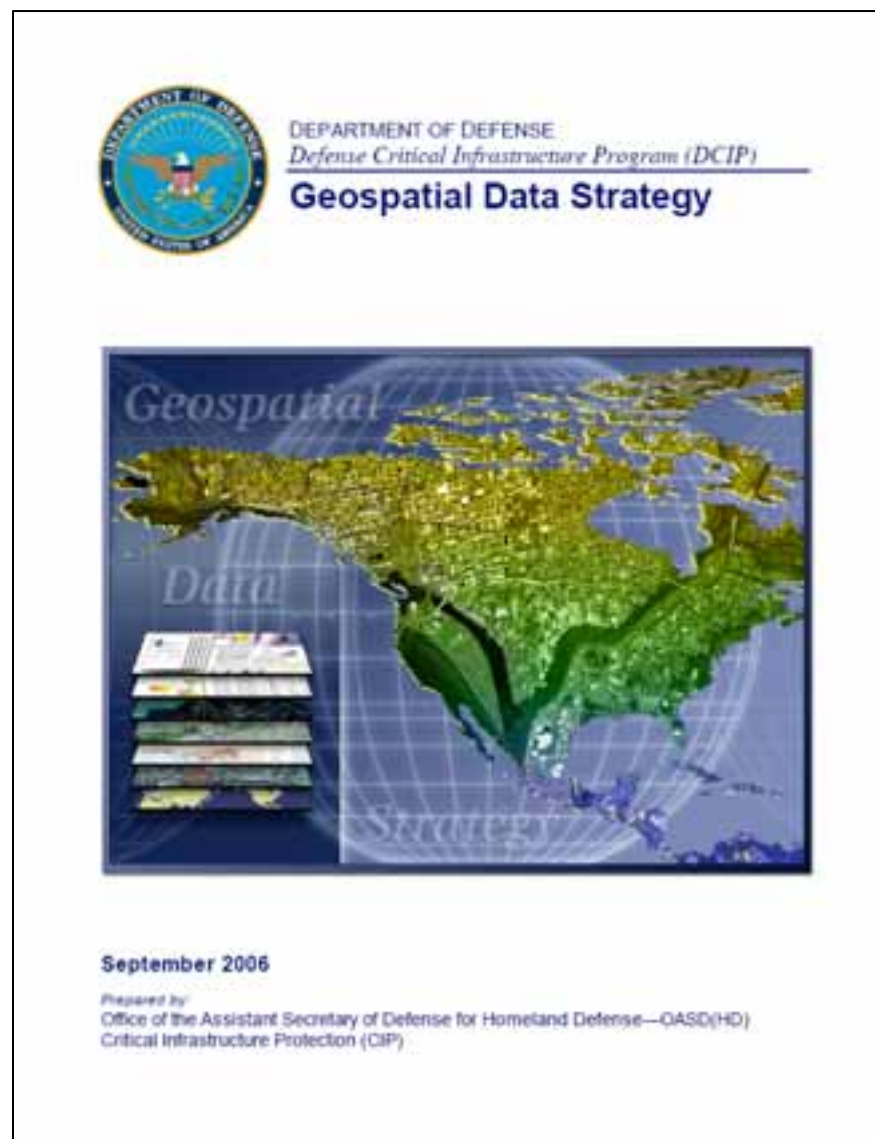
- ❑ Forum for satisfaction of geospatial data requirements through integration with other Homeland Security and Homeland Defense geospatial data requirements
- ❑ Federal access to free homeland infrastructure data supporting DoD, DHS and the Sectors (e.g., HSIP Gold)
- ❑ Linkage of DCIP Sector Leads with HSPD-7 Critical Infrastructure/Key Resource (CI/KR) Lead Sector Specific Agencies (SSAs) Leads
- ❑ Visibility on Federal Interagency data requirements and authoritative data sources
- ❑ Exposure and access to “HLD/HLS” geospatial visualization, analysis tools and capabilities – iCAV, Palanterra, Interagency Modeling and Atmospheric Analysis Center, C/ACAMS, etc.





# ***DCIP Geospatial Data Strategy***

- Establishes a long-term vision for the creation, maintenance, and use of a common and comprehensive foundation of geospatial infrastructure data representing all of the Defense Critical Infrastructure Sectors and their counterpart CI/KR Sectors
- Designed to facilitate DCIP Community access to the geospatial data and tools required to visualize, help characterize, and analyze Defense Critical Infrastructure and supporting foundational infrastructure
- Written by HIFLD Support Staff





## ***HSIP Gold – Foundation Data***

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- ❑ Unified homeland infrastructure foundational geospatial data inventory assembled by NGA in partnership with DoD, DHS and USGS for use by the HLS/HD Community
- ❑ Compilation of best available Federal government and commercial proprietary data sets
- ❑ Version One: Aug 05 / Version Two: Apr 07
- ❑ Palantira Foundation Data, ICAV Foundation Data for National Operations Center, IDOMAIN Foundation Data
- ❑ Originally, for Federal use only; commercial licenses now extended to include disclosure to states and local governments and dissemination during Federal disasters
- ❑ HIFLD Community works to continuously improve by identifying authoritative and value-added data layers



# Who is Using HSIP Gold?

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- OASD (HD/ASA) (Palanterra)
- The Joint Staff (P)
- Combatant Commands (P)
  - NORTHCOM
  - PACOM
  - TRANSCOM
  - STRATCOM
  - SOCOM
  - JFCOM
- All the Military Services (P)
- Defense Critical Infrastructure Sectors (P)
- Intelligence Community (P)
- National Guard Bureau
- Corps of Engineers
- Defense Threat Reduction Agency (P)
- FBI (iDomain)
- Dept. of Homeland Security (iCAV)
  - Office of Infrastructure Protection, NOC, FEMA, Coast Guard, Border Patrol, TSA, Nat'l Communications System, HITRAC
- Dept. of Health and Human Services
  - CDC & Public Health Service
- Dept. of Energy
- Dept. of Transportation
- Dept. of Interior
  - USGS, Bureau of Land Mgmt, Nat'l Park Service, Fish & Wildlife Service
- Environmental Protection Agency
- Dept. of Agriculture
- Dept. of Commerce
  - NOAA
- The National Labs
- Federal Communications Commission



## ***HSIP Gold V. 2 / HSIP Freedom***

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- ❑ Provide updated, improved, and expanded dataset for common use by HD/HLS Community, incorporating HIFLD Working Group recommendations
- ❑ Over 311 homeland geospatial data layers (up from 185)
- ❑ Represents all 17 Critical Infrastructure and Key Resource (CI/KR) Sectors, natural hazards, and base map layers
- ❑ HSIP Gold v.2 request link accessible via main page of HIFLD Website (<https://hifldwg.org>) along with FAQs, Data Use Agreement, and inventory of datasets
  - ❑ Over 394 Federal Interagency organizational requests for v.2 since May 07
- ❑ HSIP Freedom – Federal/State partnership to get HSIP data to State and Local Governments



# Visit the HIFLD Website

- **MUST** be a government member or be sponsored by one
  - Government contractors provide contact info for your government sponsor
- Access can be requested via non-passworded Website (<http://hifldwg.org>)
  - “How to Join” link at top of page
  - Web-based access request template
- 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 all HIFLD WG members
  - Federal geospatial data guidance
  - On-line HSIP Gold data request form
  - On-line HSIP Gold feedback mechanism

The screenshot shows the HIFLD website interface. At the top, there is a navigation bar with links: home, about us, library, roster, calendar, acronyms, organizations, tools, log out, and admin. The main content area is titled "Welcome Jeffrey C. Wisert". Below this, there are two main sections:

- Latest News:** A section titled "Meeting Follow Up" with the text: "The last HIFLD Working Group meeting was held in Colorado Springs, CO on January 30-31. The meeting was hosted by USNORTHCOM and focused on the Government and Commercial Facilities Sectors." Below this text are links for "Briefings", "Attendee List (Excel)", and "Agenda (Word)".
- Next HIFLD Meeting:** A section providing details for the next meeting:
  - Date:** 3-4 April 2007 (Tues-Wed)
  - Location:** USGS National Center Main Auditorium, 12201 Sunrise Valley Dr., Reston, VA 20192
  - Classification:** This meeting will be conducted at the Unclassified-For Official Use Only (FOUO) level. There will be no need to pass clearances.
  - Logistics:** Directions, Parking, Hotels, Area/Hotel Maps

At the bottom of the page, there is a section titled "Department of Homeland Security Geospatial Data Model" with a paragraph of text and a link for more information: <http://www.fodc.gov/fodc-news/geo-data-model>.



# *Summary*

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- HIFLD serves as the most inclusive Federal Interagency geospatial Community of Interest – All Sponsors Benefit
- Represents a Federal government “best practice” for Interagency collaboration and partnership
- Playing a key role in the identification of authoritative geospatial data for Interagency HD/HLS use
- Contributing to the Federal Interagency Geospatial Enterprise Architecture through efforts such as the DCIP Geospatial Data Strategy and HSIP Gold data acquisition
- Meeting an important need for the HD/HLS Geospatial Community...over 200 percent growth in membership in the last two years alone





# Points of Contact

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