



Installation Geospatial Information and Services (IGI&S) - Update on Policy, Standards, Issues

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Agenda

Acquisition, Technology and Logistics

- What does the Defense Installations Spatial Data Infrastructure (DISDI) Program Do?
- Overview of new IGI&S Policy, DoDI 8130.01
 - Authoritative Data Source (ADS) Requirement
 - Common Installation Picture
- Accomplishments and Future Milestones for the IGI&S Governance Group (IGG)
- Useful Links and POCs



What Does the DISDI Program Do?

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- Policy, Guidance, and Oversight
 - Geospatial input to the Business Enterprise Architecture (BEA)
 - IGI&S policy (new)
 - IGI&S standards governance
 - IGI&S investment and systems governance
 - “Thought leadership” on use of geospatial technology for EI&E missions
- Direct Support
 - Maintain a DoD-wide GIS database containing the “Common Installation Picture”
 - Make data visible
 - Make data accessible
 - Make maps upon request
 - Perform spatial analysis upon request
 - Provide tailored support to EI&E functions upon request

The DISDI PM is the GIO for the ASD Energy, Installations, and Environment portfolio



DoDI 8130.01, *Installation Geospatial Information and Services (IGI&S)*

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- DoDI 8130.01 was signed April 9, 2015
 - Closes the policy gap created by rapid advance of GIS technology into the installation management mission area, a use not addressed by NGA or other DoD policies
- Highlights:
 - Components must start implementing the requirement to compile IGI&S data into an authoritative data source for each installation
 - Army is officially tasked to manage the technical development of SDSFIE
 - “DISDI Group” becomes “IGG”
 - DISDI PM becomes the EI&E Geospatial Information Officer (GIO)
 - Common Installation Picture (CIP) is an official data requirement



The Value of IGI&S: Managing and Maintaining Essential Data

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- **Installation Master Plan**
- **INRMP**
(Integrated Natural Resource Management Plan)
- **E-9-1-1 CAD**
(Computer Aided Dispatch)
- **AICUZ**
(Air Installation Compatible Use Zone plan)
- **NEPA Studies**
(National Environmental Policy Act)
- **DERP Documents**
(Defense Environmental Restoration Program)
- **JLUS**
(Joint Land Use Study)
- **ESS Plans**
(Explosives Safety Siting)

The IGI&S Programs exist to make the GIS data from these projects:

- Visible
- Accessible
- Understandable
- Trusted
- Interoperable

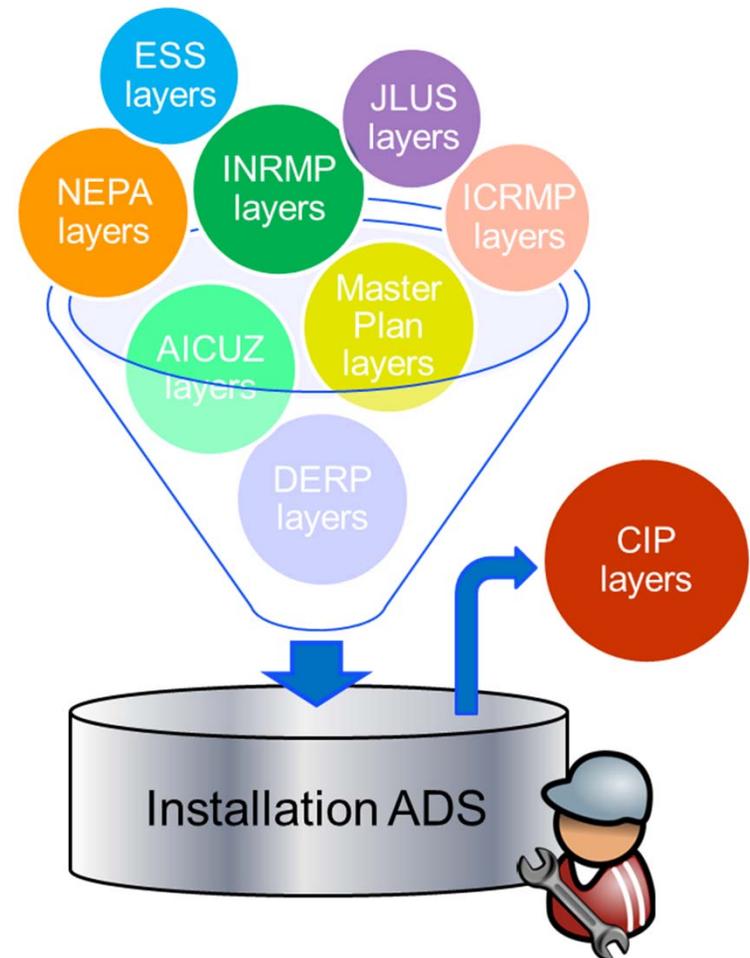


IGI&S: Many Data Sources, One Governance

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- What it takes to meet the ADS requirement:
 - ✓ – Data standards
 - ✓ – Data collection guidance
 - ✓ – Data sharing tools
 - ✓ – IGI&S expertise
 - ? – Data stewards/proponents
 - ? – Contract language/specs
 - ✗ – ADS authority designation
 - ✗ – ADS management process

Airborne Imagery (orthophoto) is essential to most/all ADS data – include it





Common Installation Picture (CIP)

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- There is only one “CIP”
- Components may develop similar data sets
 - “Army CIP”
 - “Navy CIP”
 - “GeoBase CIP”
 - etc
- The IGG is responsible for developing the CIP layer list & any implementing guidance annually
- Annual CIP Cycle:
 - **Summer:** IGG develops next CIP layer list
 - **Fall:** ASD(EI&E) issues CIP data call
 - **Winter:** Components submit CIP data
 - **Winter/Spring:** DISDI reviews & conflates CIP data into master data set



2015 CIP Request (SDSFIE 3.1 format)

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- 8 Sep 15: List of Common Installation Picture (CIP) layers developed by the IGG, approved by ASD(EI&E)
- 16 Sep 15: Formal request issued by BSI, OASD(EI&E) in similar fashion to a Real Property Inventory request
 - 90 day suspense (due 30 Dec 15)
- Submission guidelines:
 - SDSFIE-V 3.0 or 3.1 compliant
 - Include sub-classed feature types that correspond to requested layers
 - Include metadata at Component HQ level, per layer

Each CIP layer is justified by 3-7 different DoD policies; most are required by 5 policies

3.1 Layer Name
AccessControl
AirAccidentZone
Bridge
Building
Environmental RemediationSite
ExternalPropertyInterest
Fence
FutureProjects
GolfCourse
HistoricDistrict
ImpactArea
Installation
LandParcel
LandUse
MilitaryRange
MilitaryTrainingLocation
MilQuantityDistanceCombinedArc
NatResAcquisitionBoundary
NoiseZone
Outgrant
PavementBranch
PavementSection
RailSegment
RailTrack
RecreationArea
RoadPath
RoadSeg
Site
Tower
VehicleParking
Wetland

New for 2015



IGG Accomplishments, 2008-2016

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Policy & Guidance

- ✓ DoDI 8130.01, IGI&S
- ✓ SDSFIE Governance Plan
- ✓ Change Management Plan (SDSFIE)
- ✓ SDSFIE-V Implementation Guidance
- ✓ SDSFIE-M Implementation Guidance

IGI&S Standards

- SDSFIE 3.0 (vector)
- SDSFIE 3.1 (vector)
- SDSFIE-M 1.0.2
- SDSFIE-M Implementation Spec (SMIS)
- SDSFIE-V 4.0



IGG “To Do” List

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- SDSFIE-R
- SDSFIE-Q
 - Main document
 - DCS General Guidance
 - DCS for each CIP layer
- SDSFIE-M v 2.0 and implementation
- Implementation of SDSFIE-V v 4.0
- SDSFIE Governance Plan – update
- ADS Implementation Guidance





The New DISDI Portal

Home IGI&S Programs DoD Links Federal Links Standards Resources FAQs Contact Us

**DISDI Atlas**

ACCESS RESTRICTED; UNDER DEVELOPMENT - This global web map provides detailed views of all DoD installations and operating areas along with useful National-scale layers (e.g., Congressional Districts, infrastructure, environmental data) and up-to-date imagery. Use it to create your own "operating picture" of Defense installations.

**DISDI Atlas Pro (Map Viewer)**

With customizable data views, more extensive tools and querying capabilities, this global map viewer of DoD installations is designed for the more advanced user.
[DISDI Map Viewer User Guide](#)
[DISDI Portal Factsheet](#)

**Map Library**

Browse our collection of ready-to-use IGI&S maps. This library includes maps of DoD installations organized by State, Territory and COCOM.

**Data / Metadata Search**

Search for geospatial data and metadata from across the IGI&S community.

** Search Coming Soon **

**Policy & Documents**

Find and download DoD policy, guidance, presentations and other documents applicable to the IGI&S community.

**Data / Custom Map Request**

Contact the DISDI Program to (a) request authoritative geospatial data, (b) gain access to secure web map services (WMS), or (c) request customized map products.

News

- 02-03-2016 - Welcome to DISDI Portal!
- 03-25-2016 - SECDEF Map Request
- 03-25-2016 - Data Quality Standard
- 02-08-2016 - Alaska Mapping
- 02-08-2016 - AT&L Spatial Data Support

Updates

- 03-03-2016 - Renaming of DISDI Portal 2.7

<http://disdiportal.osd.mil/>



Useful Links

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- DoDI 8130.01, Installation Geospatial Information and Services
- <http://disdiportal.osd.mil> (CAC protected, links to the Components' IGI&S Program web pages are here)
- <http://maps.osd.mil> (CAC protected, interactive global map of DoD installations, etc.)
- <http://sdsfieonline.org> (public (registration required) location of IGI&S data standards and related documents)



Questions?