U.S. Army
Installation Management Command
Centralized Geospatial Data Collection Effort Update

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Standard Form 298 (Rev. 8-98) Prescribed by ANSI Std Z39-18
CGDCE Update

Agenda

• Overview of CGDCE
• Current status and lessons learned
• Future plans
Army Installation Geospatial Information & Services

• Army IGI&S supports many missions including emergency response planning, force protection, training support, facilities management, and natural resources conservation.

• To support these missions, installation geospatial information must be accurate and must meet Federal, DoD, and Army spatial data standards.
Army IGI&S Proponenty, Common Installation Picture, and Quality Assurance Plan Memo 15 Aug 08

- Dual signature (ACSIM and Deputy Chief of Staff, G-3/5/7)
- Assigns a HQ level and installation level proponent to geospatial data layers; proponent responsible for creation and maintenance of geospatial data
- Requires all Army installations to maintain geospatial CIP data and metadata for their sites
- HQ data proponents are responsible for developing and maintaining QAPs
Centralized Geospatial Data Collection Effort

- A way for HQDA, regions, and installations to fund the central collection of geospatial data
- Enables coordination of multiple efforts, reduces project management costs, and minimizes impacts on the installations
- End state of a centralized data collection effort is standardized installation geospatial data that:
  - meet proponent requirements
  - are approved and validated by the Garrisons
  - become part of the Garrison’s database of record and will be sustained and maintained by the Garrison in accordance with standards and policy
First Cycle of CGDCE

- Paid for with FY08 funds
- 13 environmental data layers at 45 installations

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# CGDCE Update

## Installation List

### Northeast Region
- ABERDEEN PROVING GROUND
- FORT A P HILL
- FORT BELVOIR
- FORT DRUM
- FORT EUSTIS
- FORT GEORGE G MEADE
- FORT LEE
- FORT MONMOUTH
- FORT MONROE
- PICATINNY ARSENAL
- WEST POINT MILITARY RESERVATION
- FORT LEONARD WOOD
- ROCK ISLAND ARSENAL
- FORT MCCOY
- FORT DIX

### Southeast Region
- FORT BENNING
- FORT BRAGG
- FORT CAMPBELL
- FORT GORDON
- FORT JACKSON
- FORT KNOX
- FORT MCPHERSON
- FORT RUCKER
- FORT STEWART
- REDSTONE ARSENAL
- FORT POLK

### Pacific Region
- FORT GREELY
- FORT RICHARDSON
- FORT SHAFTER
- FORT WAINWRIGHT
- SCHOFIELD BARRACKS

### West Region
- DUGWAY PROVING GROUND
- FORT CARSON
- FORT LEAVENWORTH
- FORT LEWIS
- FORT RILEY
- FORT BLISS
- FORT HOOD
- FORT HUACHUCA
- FORT SAM HOUSTON
- FORT SILL
- NATIONAL TRAINING CENTER AND FORT IRWIN
- WHITE SANDS MISSLE RANGE
- YUMA PROVING GROUND
- COMBAT SUPPORT TRAINING CENTER AND CAMP PARKS
Process and Coordination

- Execution Order (EXORD) 08-024, IMCOM Centralized Geospatial Data Collection defines process, roles and responsibilities of all parties involved
- Fragment Order (FRAGO) 01 lays out installations and data layers
- USAEC coordinates with IMCOM Region IGI&S Coordinators (Plans) to reach installations
- Main POC at installation is IGI&S Coordinator, typically found in the Plans, Analysis, and Integration Office
Other Key Players

• Data steward
  • The subject matter expert for a data layer
  • Is responsible for ensuring the quality and availability of data acquired, developed, and maintained for the layer

• Data custodian
  • The person that creates and maintains geospatial data; this person is likely to be a CADD or GIS professional that may be located in the same office as the data steward

• Garrison Commander
  • Signature authority for all garrison datasets
Timeline for CGDCE

USAEC field team obtains existing installation geospatial data

Field team compares existing data layers to QAPs to identify shortfalls

Field team performs site visit

All work completed and work yet to be completed is documented

Installation SME reviews data at end of site visit and signs off on data documentation

Field team completes work on installation data layers

USAEC reviews data

Installation SME reviews data GC/PAIO signature

Approve

Data entered into Army Mapper

PHASE I

Aug 2008

ACSIM EXORD issued

PHASE II

Day -30

On-site coordination mtg

Day 1

Data collection site visit

Day 10

Site visit outbrief

PHASE III

Day 40

Field team submits data to USAEC for technical review

Day 56

Data sent to Installation for review

Day 86

GC approval

Day 100

Approved data submitted to Army Mapper

PHASE IV

Reject

Approve

Reject

Data sent to USAEC for technical review

Installation SME reviews data GC/PAIO signature

Approved data submitted to Army Mapper
## CGDCE Update

### Sites Visited as of May

#### Northeast Region
- ABERDEEN PROVING GROUND
- FORT A P HILL
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- FORT EUSTIS
- FORT GEORGE G MEADE
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- SCHOFIELD BARRACKS
CGDCE Stats

- Total number of on-site coordination meetings performed: 19
- Total number of data collection site visits performed: 4
- Total number of installation datasets reviewed by USAEC: 1
- Total number of installation datasets validated by installation staff: 0
- Total number of installation datasets loaded into Army Mapper: 0
Preliminary Findings

• People
  • IGI&S staff levels vary across Army installations
  • Most environmental GIS staff are civilians
  • GIS is not their primary responsibility

• Geospatial Data
  • 62% of geospatial data layers were not previously in Army Mapper
  • 28% of geospatial data evaluated in first cycle do not meet Federal, DoD, or Army standards
Lessons Learned

• Communication is critical at all levels

• Installations welcome the CGDCE once they understand how it benefits their IGI&S program

• Every installation has required some level of work to bring data to standard (SDSFIE and/or Army IGI&S metadata standard)

• Installations are hesitant to release T&E species data and cultural resources data
Future Plans

- Additional centralized data collection efforts to be executed through EXORD / FRAGO
- Buildings and roads data collection to take place at 15 installations (FRAGO 02)
- Encroachment data collection and analysis an FY09 UFR
Questions

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Leading Change for Installation Excellence