Headquarters Air Combat Command

Aligning Two Expeditionary Geospatial Missions: AFCENT and ARCENT

Geospatial Central Command Collaborative







This Briefing is: UNCLASSIFIED



Overview

- ACC/AFCENT Overview
- ARCENT Overview
- ARCENT Question: buy it, build it, or other?
- Integration Plan
 - Step 1 Secure Leadership Buy-In
 - Step 2 Commit Staff / Funding
 - Step 3 The Technical Work begins (the easy part)....
- Future
- Live Demonstration
- Closing/Questions





ACC/AFCENT GeoBase Overview

- History of Project
 - Started 2001
- Mission
 - Support all non-Intel geospatial efforts within ACC/AFCENT/AFSOUTH
- Footprint/AOR
 - 15 US Bases, 12 US Ranges, >150 Central and South American Sites and >1000 Southwest Asian Sites
- Services/Capabilities
 - Fast Map Services of all content
 - Data discovery and download for all content
 - Infrastructure (servers, people, etc.) throughout World
 - 99.9% Uptime



ARCENT Overview



- History of Project
 - Supporting ARCENT: Real Property Inventory Management
 - September 2009 Site Survey Team (SST) deployed to Iraq

Mission

- Display Survey data and imagery acquisitions for the CENTCOM Area of Responsibility (AOR)
- System Arch Overview
 - SIPR vs. NIPR: the need to view and extend capabilities
- Services/Capabilities
 - Accurate, timely and ground verified data from the forward environment
 - Imagery, feature extraction & digital terrain models for 400+ sites



ARCENT – Build it or Buy it?



...Or is there another option?

- Operational Platform Requirements
 - View UNCLASSIFIED data in a timely manner
 - Extending situational viewing and interaction to the forward client
- System Platform Requirements
 - Responsive NIPR viewing capability in the forward environment
 - Ability to load ARCENT data into the ACC geospatial enterprise
- Mission Constraints
 - Hardware, Time, Funding, Staff
 - Maximize Strengths Minimize Limitations



Leverage Existing AF Investments to Improve Both programs



Integration Step 1

- Secure Senior Leadership Buy-In
- Mutual Benefits to Programs and Warfighter
 - ARCENT Receives
 - Infrastructure
 - Services
 - Mature Processes
 - ACC AFCENT Receives
 - Great Data (400+ locations)
 - Improved Relationship With Sister Service
 - Warfighter
 - Seamless Map of AOR Assets
 - Fast Map Services and Data Download









Integration Step 2

- Resource Planning
- Creation of a Memorandum of Agreement
 - Expectations
 - Roles and responsibilities
 - Levels of Service



- Web admin at HQ ACC
 - Responsibilities
- Data admin at HQ AFCENT
 - Responsibilities





Integration Step 3

- The Technical Work...
 - Data
 - Ground Verified
 - Feature Extraction
 - Raw data
 - Imagery

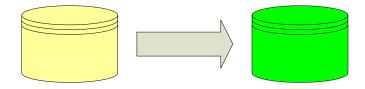


- Standardizing Processes
 - Integration into an existing architecture
 - Defining data into appropriate model standard SDSFIE 2.6
 - Continuous refinement of workflows



Future...

Finalize HQ AFCENT → HQ ACC Replication Process



- Mature Operational Workflows
- Integrate Other Programs and Find New Partners
 - 132nd Geospatial Processing Cell (GPC) Fort Gillem, GA
 - Any takers? Let's talk...



Live Demonstration



• Site URL:

https://lfi-fsceweb03.langley.af.mil/geobaseviewer/

- Web Mapping Services
 - A Common look and feel to the end user



Closing / Questions

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