

# *Headquarters Air Combat Command*

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## *Aligning Two Expeditionary Geospatial Missions: AFCENT and ARCENT*

*Geospatial Central Command Collaborative*



This Briefing is:  
**UNCLASSIFIED**

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# 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
- **Onsite Placement of ARCENT Staff**
  - 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**
  - **132<sup>nd</sup> 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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