Geo-Enabling Air Force Installation and Mission Support
The US Air Force GeoBase program is aggressively pursuing new ways and means to better integrate geospatial information and services (GI&S) across the mission spectrum.

This presentation will describe the program's unique approach to aligning installation and logistics GI&S capabilities with strategic planning agendas from various mission sectors across the Air Force enterprise to more effectively leverage the value of authoritative geospatial features of the built and natural environment.
GeoBase Capability Targets and Phasing
DODAF CV-3

BATTLESPACE
- Mapping, Charting & Geodesy (MC&G)
- Geospatial Information & Services (GI&S)
- Geospatial Intelligence (GEOINT)

BASENSPACE
- Logistics Geospatial Information & Services (LGI&S)
- Agile Combat Support Geospatial Information & Services (ACS GI&S)


Breaking Barriers ... Since 1947
GeoBase Capability Targets and Phasing
DODAF CV-3

GeoBase Concept
Lead
USAF/IITA (RDT&E)

GeoBase 1.0 MAJCOM
Capability
Installation
MAJOR Commands
GI&S
Air Staff

GeoBase 2.0 Transition
Material
Multiple MAJCOM Systems (Standards Based)
Solution
Reduced MAJCOM System (AFGIMS-Beta)

GeoBase 3.0 Enterprise
Governance
GeoBase Roundtable
Processes
CSAF/CIO Guidance Memo

GeoBase Capabilities Transition Framework

FY00 FY02 FY14 Current State FY19 FY23
Timeline not to Scale

4.0 (Conceptual)
TBD (ACS CFL)

AFCEC
AFGIMS
AFGIMS

Enhanced AFGIMS

10-Series AFI

AF GGB

Multiple MAJCOM Systems (Standards Based)

Multiple MAJCOM Systems (Standards Based)

Enterprise Architecture
Portfolio Management

Enhanced AFGIMS

AF CE Council

AFCEC

CSAF/CIO Guidance Memo

AFI 32-10112 (Revised)

AF GGB

GeoBase Strategy

AFI 32-10112 (Revised)

AFI 32-10112 (Revised)
"As-Is" GeoBase 2.0 Transitional State Operational Resource Flow Description DODAF OV-2

MAJCOM data maintenance processes outside AFGIMS

OCONUS MAJCOMs PACAF, USAFE, AF AFRICA
MAJCOM GIO Team

MAJCOM & Installation DBs

CONUS MAJCOMs AFMC, AFRICOM, AMC, ANG
MAJCOM GIO Team

MAJCOM & Installation DBs

AFIMSC
AFCEC

ASD(EI&E) DISDI

NIPRNet Client Applications And Viewers

SIPRNet and other segregated network domains

HQ Enterprise DB

Web services

Disconnected Replication (Incremental changes only)

AFCEC GIO Langley Team

SIPRNet
Client Applications
And Viewers

Notes:

1 – MAJCOMs not in AFGIMS provide data to AFCEC in file-based formats. Some of these data are manually added to HQ Enterprise DB manually by the AFCEC GIO Langley team.

2 – For AFGSC, only Dyess and Ellsworth AFBs are replicated to Enterprise DB. Other AFGSC bases are copied via file-based format.

3 – Of the MAJCOMs currently in the AFGIMS, only two have MAJCOM-echelon servers: AFGSC and AF SOUTH.
**“As-Is” GeoBase 2.0 Transitional State**  
**Operational Resource Flow Description**  
**DODAF OV-2**

### Major characteristics of AFGIMS database maintenance procedures described on the next slide

**Installation 1**  
GIO  
Installation DB  
Connected replication (version controlled)

**Installation 2**  
GIO  
Installation DB  
Connected replication (version controlled)

**Installation 3**  
No local GIO  
Installation DB  
Connected replication (version controlled)

**Installation 4**  
GIO  
Installation DB  
Connected replication (version controlled)

**Installation ...**  
No local GIO  
Installation DB  
Check-in / Check-out file based editing

**OCONUS MAJCOMs**  
PACAF, USAFE, AFAFRICA  
MAJCOM & Installation DBs  
AFIMSC

**CONUS MAJCOMs**  
AFMC, AFRICOM, AMC, ANG  
MAJCOM & Installation DBs  
AFCEC, GIO Langley Team

**AFCEC HQ Enterprise DB (ACC)**  
AFCEC GIO  
Web services  
Disconnected Replication (Incremental changes only)

**AFSC, AFSOUTH**  
GIO  
Connected replication (version controlled)

**SIPRNet and other segregated network domains**  
HQ Enterprise DB  
SIPRNet Client Applications And Viewers  
Web services

**ASD(EI&E)**  
DISDI  
File transfer

**AFIMSC AFCEC**  
File transfer

**AFCOM GIO**  
File transfer  
Check-in/check-out file based editing (version controlled)

**Check-in/check-out file based editing (version controlled)**

**Web services**

**Disconnected Replication** (Incremental changes only)

**Connected replication** (version controlled)

**No local GIO**

Air Force Geospatial Integration Management System (AFGIMS)
Programming

FMO
Aligned

Programming Activity

GeoBase Program Office

Breaking Barriers ... Since 1947
Communications

7.0
Geo-Enabling
Air Force Installation and Mission Support

Q&A

Scott Ensign
USAF GeoBase Program Manager
AFCEC/CPAB
12 Jul 2017