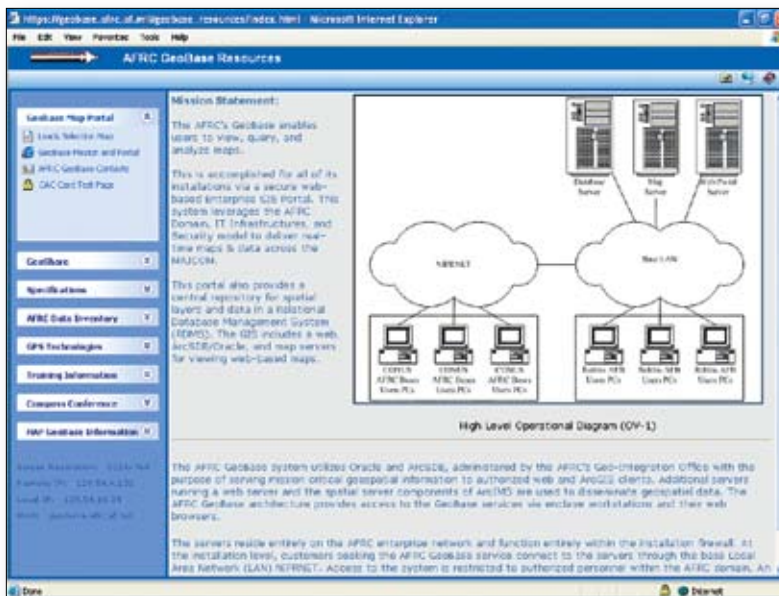


Enterprise-Level Web-Based GIS for Multiple Bases and Map Services



AFRC's GeoBase puts the MAJCOM's geospatial information at its users' fingertips.

Mission

The Air Force Reserve Command (AFRC) is one of the major commands in the Department of the Air Force. The AFRC Major Commands (MAJCOMs) maintain a GIO and GeoBase system to serve the GIS and geospatial needs of their directorates.

Background

AFRC's GIO utilizes a Web-enabled GeoBase system to support the GIS needs for 14 USAF installations. AFRC's system includes more than 60 map services and more than 130 GIS layers. This system supports a diverse set of functional communities and end users. Users are either data consumers (typical users), data providers (GIS and CAD analysts), or data administrators.

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Web-Based Enterprise GIS Using ESRI's ArcIMS System

Capabilities: The GeoBase system is located on central network servers in AFRC's SC Networking Center located at its HQ. The system includes more than 60 ArcIMS® services and more than 130 GIS layers. The central system has an Oracle back end database, ArcIMS map servers, and front-end Web servers.

The entire MAJCOM GeoBase system is database driven, and its users' rights and resources are managed through secure and reusable Web interfaces. These systems allow users to navigate to base and application-specific functions and data (e.g., facility, planning, utility, basemap, environmental).

AFRC's GeoBase systems follow AFRC's Network and Domain Security Policies per USAF and DoD policies. The system uses network domain accounts integrated with DoD's CAC-Card. There are more than 280 end users who use CAC-Cards to get user-specific resources to add, edit, and browse data. Numerous additional users use network accounts for browse-only access to resources.

DoD's System Security Authorization Agreement (SSAA) and its Certification and Accreditation (C&A) procedures were completed for this AFRC enterprise system.