



U.S. ARMY GEOSPATIAL CENTER

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

Background and Description

The U.S. Army Geospatial Center's (AGC) mission is to provide timely, accurate and relevant geospatial information, capabilities and domain expertise for Army Geospatial Enterprise implementation in support of unified land operations. The AGC was organized as a Major Subordinate Command (Center) under the U.S. Army Corps of Engineers on 1 October 2009 to support the Army's LandWarNet / Mission Command concepts, capabilities, and systems - facilitating dissemination of relevant geospatial information to every echelon throughout the dynamic battlefield environment.



Four Imperatives for Success

The AGC supports the Army, Department of Defense, and the Nation by:

Executing policy and implementing standards while monitoring emerging technologies and validating Army Geospatial Enterprise (AGE) technical solutions



Serving as the Army Knowledge Center for geospatial expertise by providing direct support to Army units and activities (geospatial data production, analysis and reachback)

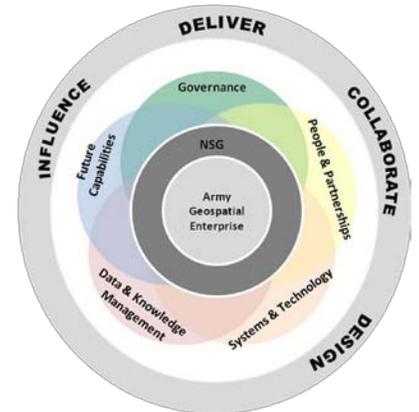
Providing technical, acquisition integration, and logistical support to Army select Programs of Record and transitional technical capabilities under Army and Joint Capability Demonstrations, while also building and maintaining the Army Geospatial Logical Data Model



Conducting Research, Development, Testing and Evaluation (RDT&E) focused on increasing the agility of Battle Command across the full spectrum of military operations - from conventional armed conflicts to counterinsurgencies and irregular warfare. Research new technologies and methodologies which leverage geospatial data and information in order to augment analysis and mission planning, helping the Warfighter make a more informed decision.

The Army Geospatial Enterprise: Collect Once, Share with All

Mission command systems have emerged as a powerful "framework" for organizing, and especially sharing, other layers of varied spatial and temporal data, matched to the 'foundation layer' of a map. However, there are a number of incompatible geospatial data formats being utilized by our deployed forces to collect this information, requiring repeated collections over the same area of interest to achieve the same end, and, in turn, slows the commanders' ability to act decisively within complex operational environments.



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One of the AGC's primary goals is to enable an Army Geospatial Enterprise (AGE), which will correct the geospatial capability gaps preventing systems from achieving a true Common Operating Picture (COP). At its core, the AGE is a distributed database and supporting infrastructure based on a common suite of interoperable software. This enterprise allows geospatial data and information to be collected, stored, fused, analyzed, and disseminated horizontally and vertically (from peer to peer and from echelon to echelon, down to the individual Soldier).

The center's development of an Army Standard Data Model agreed upon by all battlefield functions, development and fielding of enterprise-enabled systems and capabilities, and direct geospatial support and products to the warfighter will address these gaps. These efforts will allow warfighters to view relevant information across every level of the battlespace, helping them better understand the operational environment for full-spectrum operations and make forces more effective, survivable, and lethal.

Snapshot: Geospatial Expertise for Today's Warfighter

The AGC employs a knowledgeable and diverse staff of Department of Defense civilians, contractors, and military personnel who lend their extensive expertise to support the five program areas:



- ✦ **Warfighter Geospatial Support & Production:** Provides geospatial information products and services to support immediate Warfighter and other Army requirements
- ✦ **Systems Acquisition and Program Management:** Develops, acquires, and fields geospatial and intelligence systems and capabilities in support of the Warfighter, while managing technology integration, prototyping and demonstration programs
- ✦ **Enterprise Development:** Synchronizes Geospatial Enterprise policies, priorities, programs, production requirements, strategies and technologies across the Army Acquisition Community (Program Executive Officers/Program Managers/Product Managers) to ensure the efficient integration of Geospatial Information and Services technologies in weapons systems acquisition
- ✦ **Tactical Source and Enterprise Development:** Processes and distributes unclassified high-resolution and high-accuracy color imagery and elevation data; develops geospatial enterprise solutions in support of Army missions
- ✦ **Research and Technology Development:** Conducts research, development, testing and evaluation focused on current and emerging geospatial technologies that will help characterize and measure phenomena within the physical (terrain) and social (cultural) environments encountered by the Army

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