

## Geospatial Solutions for Command and Control

# Commercial Joint Mapping Toolkit (CJMTK)



### **The Next-Generation Geospatial and Visualization Toolkit**

Northrop Grumman is the prime contractor for the National Geospatial-Intelligence Agency's (NGA) Commercial Joint Mapping Toolkit (CJMTK) Program. CJMTK is the recommended standard toolkit for the management, analysis, and visualization of Geospatial Intelligence for the Department of Defense (DoD) Command, Control, and Intelligence (C2I) Community.

CJMTK is a comprehensive toolkit of software components for the management, analysis and visualization of map and map-related information. The toolkit leverages the technical benefits and economies of scale of commercially-based geospatial applications with common, services based software architectures consistent with the DoD Joint Technical Architecture (JTA). CJMTK is used for the development of map and imagery components of larger mission applications and provides developers with the following benefits:

- Geospatial tools to support C2 Network Centric Enterprise Services (NCES)
- Scalable enterprise solutions
- Interoperability across mission applications
- Enhanced spatial and analytical capabilities
- Reduced integration costs
- Increased efficiency and performance

*CJMTK integrates the best of government and industry capabilities into a common, long-term solution that advances mission application development into the next generation of interoperable systems for the warfighter. For information visit our website at [www.CJMTK.com](http://www.CJMTK.com). This website contains valuable information for mission application developers on CJMTK requirements, software, sample implementations, future plans and more.*

## **Implementation**

The CJMTK program constitutes government and industry collaboration providing full life-cycle management to mission application developers through 2014. The program continues to evolve, develop, support and deploy the toolkit to meet the on-going needs of operational mission applications. Since implementation, CJMTK has become a critical part of many DoD mission applications such as the Army Battle Command family of systems and the Air Force Joint Environmental Toolkit (JET).

## **Toolkit Components**

The Northrop Grumman team includes the Environmental Systems Research Institute, Inc. (ESRI), Analytic Graphics, Inc. (AGI) and ERDAS. The foundation of the CJMTK offering is the ESRI ArcGIS Engine framework (ArcEditor version including Spatial Analyst, 3D Analyst and Military Overlay Editor), ArcSDE, ArcIMS, and ArcGIS server. These commercial products are supplemented with components developed by Northrop Grumman and AGI to provide additional

CJMTK functionality. The toolkit supports the Windows, Solaris, and Linux operating systems. Together, these software components comprise a comprehensive package that provides unprecedented visualization capabilities of map and map-related information, analysis tools and storage of map data.

## **Licensing Options**

There are three licensing agreements for CJMTK:

- *Basic Toolkit License* – For mission applications that are part of the legacy DISA COE and/or NCES community, CJMTK is distributed via web ([www.cjmtk.com](http://www.cjmtk.com)) to authorized DoD mission application developers at no cost.
- *Extended User Community License* – For DoD users who do not qualify for the Toolkit license and want CJMTK technology and interoperability benefits, the CJMTK toolkit components and/or ESRI, AGI, and Leica products can be purchased through the CJMTK contract.
- *Foreign Military Sales License* – For foreign governments who want CJMTK tools for integration in their mission applications, the CJMTK toolkit components and/or ESRI, AGI, and ERDAS products can be purchased through the CJMTK contract utilizing the NGA Foreign Military Sales (FMS) process with a U.S. Government sponsor.

## **Leverage Our Expertise**

Northrop Grumman is the premier provider of turnkey geospatial applications, architectures and enterprise-wide solutions to the U.S. Government, military and homeland security. For over 40 years, we have been developing powerful geospatial tools and technologies. Our comprehensive suite of GeoEnterprise Solutions™ ranges from developing industry recognized commercial off-the-shelf (COTS) software to establishing interoperable, standards-based geospatial information architectures to deploying comprehensive, customized geospatial solutions.

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