

Geospatial Solutions for Command and Control

Commercial Joint Mapping Toolkit (C/JMTK)



The Next-Generation Geospatial and Visualization Toolkit

Northrop Grumman Information Technology (IT) TASC is the prime contractor for the National Geospatial-Intelligence Agency's (NGA) Commercial Joint Mapping Toolkit (C/JMTK) Program. C/JMTK is the next-generation geospatial and visualization toolkit for the Department of Defense's (DoD) Command and Control (C2) Network Centric Warfare System. It replaces the government-developed mapping software package, Joint Mapping Toolkit (JMTK).

C/JMTK 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).

C/JMTK 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

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C/JMTK 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 or contact us at TASC-Info@ngc.com. This website contains valuable information for mission application developers on C/JMTK requirements, software, sample implementations, future plans and more.

Implementation

The C/JMTK program constitutes government and industry collaboration providing full life-cycle management to mission application developers through 2013. The program continues to evolve, develop, support and deploy the toolkit to meet the on-going needs of operational mission applications. The initial phase focused on the development, delivery, and migration support of C/JMTK under the Common Operating Environment (COE). Since implementation, C/JMTK has become a critical part of many DoD mission applications such as the Army Maneuver Control System (MCS) and Defense Information Systems Agency (DISA) Joint WebCop.

Toolkit Components

The Northrop Grumman IT TASC team includes the Environmental Systems Research Institute, Inc. (ESRI), Analytic Graphics, Inc. (AGI) and Leica Geosystems.

The foundation of the C/JMTK offering is the ESRI ArcGIS Engine framework (ArcEditor version including Spatial Analyst, 3D Analyst and Military Overlay Editor), ArcSDE and ArcIMS. These commercial products are supplemented

with components developed by Northrop Grumman IT TASC and AGI to provide additional C/JMTK functionality. 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 C/JMTK:

- *Basic Toolkit License* – For mission applications that are part of the DISA COE and/or NCES community, C/JMTK is distributed via web (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 C/JMTK technology and interoperability benefits, the C/JMTK toolkit components and/or ESRI, AGI, and Lieca products can be purchased through the C/JMTK contract.
- *Foreign Military Sales License* – For foreign governments who want C/JMTK tools for integration in their mission applications, the C/JMTK toolkit components and/or ESRI, AGI, and Leica products can be purchased through the C/JMTK contract utilizing the NGA Foreign Military Sales (FMS) process with a U.S. Government sponsor.

Leverage Our Expertise

Northrop Grumman IT TASC 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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Northrop Grumman Information Technology, based in Herndon, VA, is a trusted IT leader and premier provider of advanced IT solutions, engineering and business services for government and commercial clients. The company's expertise spans such areas as information systems integration; intelligence, surveillance and reconnaissance; homeland security; enterprise hardware and software solutions; training and simulation; base and range support; signals intelligence; space systems; and specialized scientific, engineering and technical services.



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