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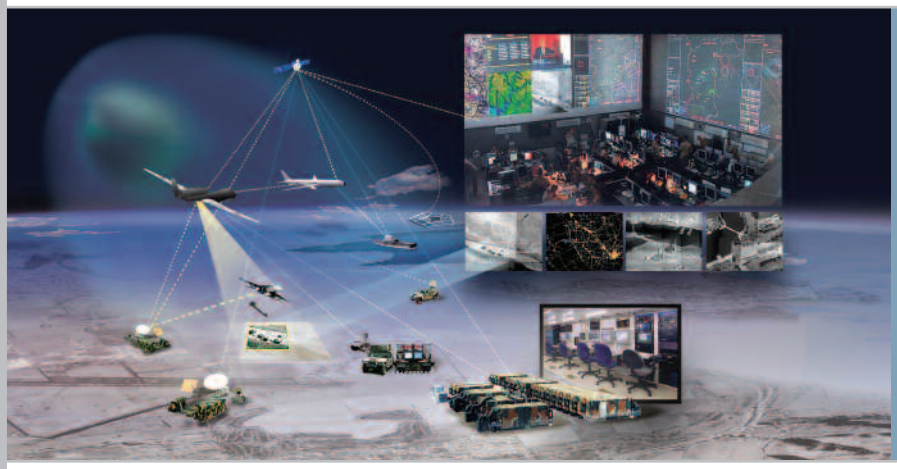
Distributed Common Ground System (DCGS) Block 10.2 Upgrade Program



Integrating ISR Assets for Battlespace Dominance

Key Features and Benefits

- Network-centric system-of-systems provides a global C4ISR enterprise
- Platform independent, service-based architecture enables use of services-unique applications
- Software applications provide real-time control of ISR assets
- Robust security and attributable safeguards
- Joint interoperability through data, service and task-level integration
- Web- and client-based tools support worldwide-distributed operations
- Shared information environment through a common network of sensors and ground stations
- Comprehensive battlespace view to accelerate the information/kill chain
- DCGS Integration Backbone (DIB) integrates NCES-compliant standards

The past several years prove the need for persistent Intelligence, Surveillance and Reconnaissance (ISR) for our armed forces. They require real-time information to gain decision superiority and dominate the battlespace.

The U.S. Air Force's ISR global network weapon system, the Distributed Common Ground System (DCGS), will provide the network centric operations backbone for the U.S. armed forces as each service develops its own system.

The Department of Defense (DoD) envisions DCGS as a globally integrated, distributed and collaborative information technology enterprise. DCGS will provide continuous on-demand intelligence brokering to achieve full spectrum dominance so that U.S. and coalition forces can change the course of events in hours, minutes and even seconds. The environment provides physical and electronic distribution of ISR data, processes and systems.

The DoD plan is to evolve legacy systems through block upgrade migration strategy standards, architectures and directives while having a minimal impact to ongoing ISR operations. The DCGS 10.2 upgrade will deliver significant automation and data-sharing enhancements.

Current ISR systems feed data into platform centric "stovepiped" tasking, processing, exploitation and dissemination systems operating independently of each other. Because of this partitioning, commonality and interoperability is restricted between the services and limits their ability to operate in a joint and coalition environment.

DCGS Block 10.2 overcomes these obstacles. With the introduction of

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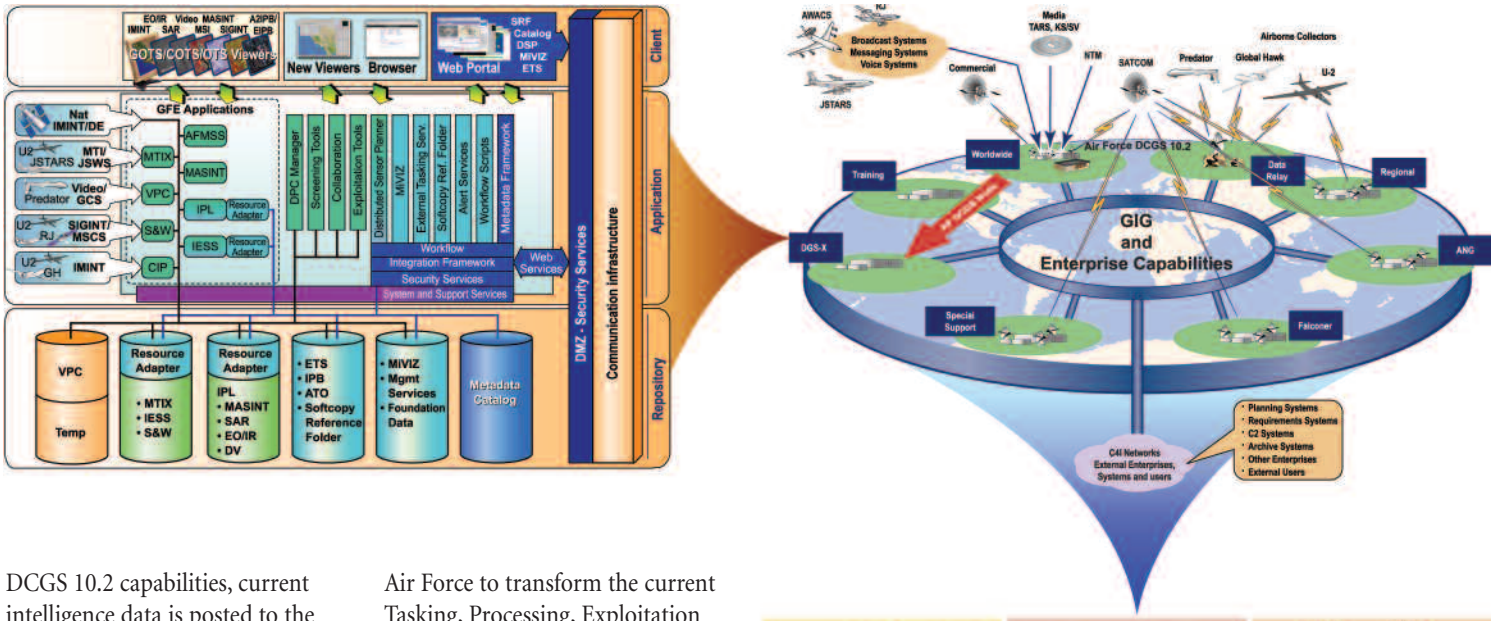
From a single DCGS Node to a DCGS Enterprise to the Global C4ISR Enterprise



DCGS 10.2 capabilities, current intelligence data is posted to the network for immediate use by analysts and warfighters, and is integrated with other assets to produce situational knowledge of the battlespace.

The upgrade integrates multiple intelligence systems into a single, worldwide network-centric enterprise, enabling interoperability and improved collection and delivery of ISR data. DCGS web-based technologies will transform ISR into an integrated element of DoD Command and Control systems.

As the backbone for the DoD enterprise, DCGS can trace its lineage from the Chairman's Joint Vision 2020, Defense Planning Guidance, Quadrennial Defense Review and Service modernization and transformation efforts.

The Raytheon-led team is working shoulder-to-shoulder with the U.S. Air Force to transform the current Tasking, Processing, Exploitation and Dissemination (TPED)-based DCGS system into the Task, Post, Process and Use (TPPU) model. The DCGS 10.2 system provides an open architecture so that any node or workstation within the U.S. Air Force DCGS organization can share intelligence across a worldwide network. As each service DCGS system adopts the DCGS Integration Backbone (DIB), intelligence data will be seamlessly shared across the entire C4ISR enterprise of enterprises.

From space to ground to under the sea, DCGS is the foundation of the global C4ISR enterprise.

The U.S. Air Force Electronic Systems Center ISR Integration System Program Office at Hanscom AFB, Mass., is the contracting agency for DCGS 10.2.

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