



Tactical Handoff Using Nearest Distributed Common Ground System Resource (THUNDR)

Key Features

- Maneuver units receive self-tailored data
- Accommodates in and out-of-network operations
- Easy to use map-centric applications and user interfaces
- THUNDR client easily operates on the associated DIB Server

Our national security depends on the ability to access and share critical and accurate intelligence using data sets that are discoverable and easily exchanged. The U.S. military forces deployed throughout the world are operating in joint environments and require real-time access to actionable intelligence and information.

THUNDR is a new application that can run on either commercial or rugged laptops allowing greater mobility and access for intelligence collection and dissemination by Army, Marine and special operations units working in bandwidth challenged environments.

Through Raytheon's Distributed Common Ground System (DCGS) Integration Backbone (DIB), the user has access to open-architecture applications and data integration services that enable interoperability among U.S. and coalition C4ISR enterprises.

Raytheon has leveraged its investment and technical expertise with the DoD-sanctioned DIB, now offering a suite of unique products based on the latest DIB v1.3 release.

Additionally, THUNDR permits a tactical network connection to the nearest DCGS server and downloads complete, self-contained mission data sets for any area of interest. Once the information is downloaded, a mobile user can disconnect, deploy, and launch new updates. The unit's

self-contained intelligence can be viewed and accessed from an icon-enhanced map display.

Now users can have access to intelligence, pictures, video and biometric data – all at their fingertips with updated intelligence and information as the mission allows.

THUNDR has the potential for putting mission enhancing tools into the hands of mobile, disadvantaged bandwidth users (e.g. U.S. troops) deployed in remote regions of the world conducting combat and counter insurgency operations. THUNDR fills an intelligence and information sharing gap that currently exists between theater level commanders and tactical units. Connecting front line units with the theater, division and brigade intelligence resources will result in reduced time delays in assessing intelligence and information and enhancing the speed in decision making resulting in a reduced sensor-to-shooter timeline.

Raytheon has been engaged in the Army DCGS program since 2005 and continues to be a significant contributor to the deployment of an operational network-centric infrastructure known as the DCGS Integration Backbone or DIB.

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