Rapid Thunder
Bringing Intelligence Sharing To The Tactical Edge

Designed to address the warfighter’s urgent needs and capability gaps, Raytheon’s Rapid Thunder delivers advanced Intelligence, Surveillance and Reconnaissance capabilities superior to anything in operation today. Supporting the National Reconnaissance Office’s “Last Tactical Mile” initiative, Rapid Thunder empowers every warfighter to act as a sensor to collect, share and disseminate information in near-real-time. The system delivers a suite of scalable, component-based applications and services for intel collection, exploitation, reporting and collaboration.

Leap-Ahead Technologies
Rapid Thunder is a leap-ahead technology that can interface in both a cloud computing environment and in a stand-alone or low bandwidth area. Without requiring any specialized hardware, Rapid Thunder capabilities can be hosted on virtual machines and delivered entirely as a software baseline. Included in Rapid Thunder’s 39 applications is the ability to track relationships by location and time, as well as stream video and distribute imagery. Wiki-based shared-knowledge and link analyses help expedite entity associations and are all part of Rapid Thunder’s human intelligence analysis capability.

Connecting Forward-Deployed Units
Rapid Thunder puts intelligence-sharing into the hands of those who need it most. Modular and deployable, Rapid Thunder was created with brigade combat teams in mind, but is scalable for use at higher levels. The flow-down from the top and bubble-up from the bottom create cycles of knowledge discovery and information production.

The system offers much-needed connectivity to forward-operating bases and mobile forces. With the Raytheon Advanced Tactical System (RATSTM) mobile handheld devices and small footprint computers (laptops, tablets, palmtops) using THUNDRTM (Tactical Hand-off Using Nearest DCGS Resource) software, these devices use low bandwidth radios and are compatible with an entire range of cell phone, WIMax, and WiFi capabilities to give operational units viable communication transport options.

Reliable and Ready Now
Rapid Thunder allows U.S. forces to bring an entire suite of game-changing, state-of-the-art capabilities to theater. The system is functional on any network within the Department of Defense security restrictions, and uses commercial-off-the-shelf and legacy components without the legacy system. Rapid Thunder is ready now to meet the operational needs of warfighters and intelligence experts.