

## ATTACK THE NETWORK

**“If we continue to play defense in Afghanistan, we’re not going to solve the HME problem.”**

*Lt. Gen. Michael Barbero, JIEDDO’s director.*

JIEDDO’s Attack the Network Line of Operation enables offensive operations against complex networks of financiers, IED makers, trainers and their supporting infrastructure by providing intelligence surveillance, reconnaissance, information operations, counter-bomber targeting, biometrics and weapons technical intelligence capabilities.

JIEDDO funded more than 15 different initiatives in fiscal year 2010 to attack the network. Notable successes include Blue Devil and Speckles, two detect air systems that enable the warfighter to detect insurgent IED emplacement activity.

**Blue Devil Block I** is an event-driven wide-area surveillance and high definition camera with signal intelligence cueing for tracking individuals and alerting blue forces for immediate action. JIEDDO funded two systems for Operation Enduring Freedom surge efforts for \$86 million.

**Speckles** is a 35-pound unmanned aerial vehicle equipped with infrared sensors for route clearance patrol operations. Runway independent, Speckles is capable of eight-



*Blue Devil Block I is an event-driven wide area surveillance and high-definition camera with signal intelligence cueing for tracking individuals and alerting blue forces for immediate action. (Photo by JIEDDO)*

hour missions with direct video downlink. JIEDDO provided \$13.2 million to help route clearance patrols to quickly investigate areas of interest and maintain immediate situational awareness.

**Sand Dragon** is a small, long-endurance, runway independent, unmanned aerial system used for the detection of IED events during route clearance patrols in Afghanistan.

Designed to meet the requirements of the Afghanistan surge, the first suite of **ZIONBOBCAT** equipment was delivered in theater within four months of approval of the initiative. A JIEDDO success story, ZIONBOBCAT delivers high performance active/passive signal intelligence capability for eight RC-12X aircraft operating in a high-density-emitter environment over mountainous terrains.

Predict and Prevent efforts help facilitate the rapid fielding of sensitive counter-IED material and technologies to give the warfighter collection, exploitation and analytic advantage in multiple intelligence disciplines.



*ZIONBOBCAT delivers high performance active/passive signal intelligence capability for eight RC-12X aircraft operating in a high-density emitter environment over mountainous terrains. (Photo by JIEDDO)*

To stop the flow of homemade explosives into Afghanistan, JIEDDO provides funding for intelligence analysts to focus on the IED supply chain. **Quiet Storm** uses federal law enforcement data to identify IED facilitators.

**Route Clearance Optics Suite** is a counter-IED capability for route clearance teams. The RCOS provides enhanced detection equipment that reduce the enemy's ability to emplace IEDs and increase force protection.



*Long Range Thermal Video Imaging System is handheld and includes all essential observation, detection, location, and targeting functions that users need to effectively complete missions. It contains seven mission essential capabilities: cooled thermal imager, day color imager, laser pointer, laser range finder (Class I Eye-Safe), 3-dimensional, 360° Digital Magnetic Compass, GPS, and color camera display. (Photo courtesy of Vectronix)*

Attack the Network actions require a common and consistent operational framework built on three tactical areas: build relationships, gain valuable intelligence and neutralize the adversary. Working together, JIEDDO and the Department of Homeland Security formed the **Person-borne IED Counter Architecture**. The PBIED counter architecture effort is a detection system incorporating a family of sensors and software that assists in prioritizing threats and allocating detection assets against those threats.

Through persistent querying of streaming and stored data, the **Tripwire Analytic Capability** is a Web-based analytic system that enhances the counter-IED decision making through quantitative analytics. JIEDDO funded \$24.2 million for this capability.

## **Counter-IED Operations/Intelligence Center**

Created in August 2006, the COIC's mission is to support all combatant commanders with fused analytical products to enable more precise attacks to defeat networks employing IEDs. Working with a broad network of more than 30 government and intelligence agencies, the COIC responded to 2,382 requests for information in fiscal year 2010. Since 2007, the COIC provided 7,111 warfighter requests for information and improved prediction accuracy of crime pattern analysis to 55 percent in 2010.

Within the last year, the COIC launched five new analytical concepts and supporting tools.

- Named Area of Interest Concept
- Critical Factors Analysis
- Strategic Interplay Exploration
- COIC Pattern Analysis Team
- Tribal Mapping

The COIC made 41 tool and process training modules available to classified computer users supporting pre-deployment and deployed unit needs. These modules include familiarization, tool integration, network analysis, and advanced integration and collaboration. COIC developed 13 interactive e-learning modules for tool familiarization and training.

**For Analytical Requests for Support; [www.coic.smil.mil](http://www.coic.smil.mil); or contact the Mission Integration Division (MID) POC, at 703-995-7971, DSN: 345-7971, [aricoj@atac.mil](mailto:aricoj@atac.mil)**

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