



## USNORTHCOM includes Raytheon technology in Deployable Communications Standards



United States Northern Command (USNORTHCOM) identifies ACU technology as the preferred gateway technology to increase communications interoperability during homeland defense or civil support missions.

### USNORTHCOM Deployable Communications Standards

The United States Northern Command (USNORTHCOM), in partnership with the National Guard Bureau, recognized Raytheon's ACU family of technology as offering the best interoperability between military, federal, state, tribal and local first responders.

USNORTHCOM released their *Deployable Communications Standards*, which identifies specific deployable communications capability requirements to be met. The document serves as the primary guide in establishing joint communications during homeland defense and civil

support operations.

The document identified the ACU product line as the most common radio gateway used by incident responders today. "The ACU systems account for approximately 70% of the radio bridge market share in the continental United States. For direct interoperability between civil responders and military responders, the odds of interoperability are best with the provision of like equipment, the ACU systems," USNORTHCOM Publication 6-02, *Deployable Communications Standards*.

The USNORTHCOM and the National Guard Bureau recognize the vital impor-

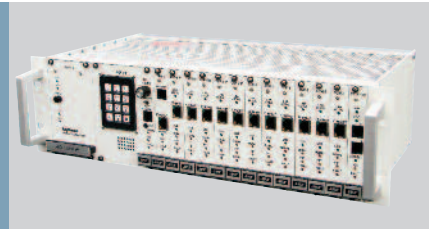
tance of interoperable capabilities and unity of effort among active component and National Guard forces supporting domestic operations within an interagency environment. They identify the systems must be interoperable, complementary and provide a robust communications architecture in the aftermath of a disaster. In addition, some apparent redundancy is necessary to ensure reliability and diversity in this collaborative environment.

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USNORTHCOM Publication 6-02, *Deployable Communications Standards*

“The ACU family of systems offers the best interoperability between DOD and federal, state, tribal and local responders.”

USNORTHCOM Publication 6-02, Deployable Communications Standards



#### **About the ACU product line**

The ACU family of products provides interoperability among multiple radio systems operating on different frequencies.

#### **ACU-2000 IP**

The ACU-2000 IP interoperability system provides a SIP-based gateway to digitally converge existing radio systems with SIP telephones, networks, and devices. This allows customers to bring all of the advantages of the open-standards SIP protocol to their radio systems and add radio functionality to a network.

#### **ACU-1000**

The ACU-1000 enables communications between diverse communications devices by cross-connecting each device's base-band audio. The unit is completely scalable and field configurable and is easily controlled using the ACU Controller software. With the ability to connect up to 12 audio devices, it provides three different methods of operation for system redundancy and is neither computer nor network dependent for its operation.

#### **ACU-M**

The ACU-M, Raytheon's most compact interoperability unit, provides interoperability between its four audio ports, two VoIP channels, and headset port. It is small enough to be easily transported and robust enough to compliment any communications suite.

#### **ACU-T**

Also employing the proven ACU technology is the ACU-T which is a lightweight, tactical system suitable for LMR, P25, TETRA, HF Radio, trunking systems, Nextel, telephones and SATCOM systems. The ACU-T offers the form factor, flexibility and features required for tactical, fixed, or vehicular interconnect applications.

#### **TRP-1000**

The TRP-1000 radio interoperability system consists of one or more transportable cases and includes multiple radios pre-wired to an ACU-1000. The radios, which cover all frequency bands, can be cross connected through an ACU-1000.

Lee Martin  
Raytheon Company  
5800 Departure Drive  
Raleigh, NC 27616  
lee.martin@raytheon.com

www.raytheon.com  
Keyword: ACU

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