COMMUNICATIONS-APPLIED TECHNOLOGY

A Veteran-Owned Small Business

Tactical Voice Communications Solutions for Emergency Response and Homeland Security

website: www.c-at.com/ICRI or e-mail: info@c-at.com





The Incident Commanders' Radio Interface (ICRI) ...solution to a multitude of tactical problems...

- Interconnects US/coalition military radios, municipal public safety radios, state and federal radios, land-line/cell/satellite telephones, in moments through the unmanned ICRI.
- ICRI provides a rugged, highly portable, radio cross-band (VHF, UHF, 800MHz), cross platform (digital/analog, trunked/talk-around, AM/FM) capability for mutual aid operations.
- Enhance the radio link between warfighters operating in areas of poor RF propagation (inside-outside buildings, tunnels) and remotely located C² personnel by serving as a rapidly field-able "repeater."



ICRI

An effective and low cost solution to:

- Establishing immediate C² with the dissimilar radios of Guard Special Response Teams, USAR, police, medical triage, and other supporting agencies
- Enhancing in-building and below grade radio communications



The Equipment ICRI-2TG, 5P

- Small, rugged package/circuitry
- Highly portable
 Rapidly deployable (under 5 minutes)
- Multiple radio interconnect without adding technical complexity
- Minimal "operator" training
- Wide range of power sources (including "AA" batteries)
- Low cost in equipment, allocated manpower, sustainment requirements



A component of the WMD-CST ADVON

ICRI Capabilities... ICRI-E (DoD Guardian II Force Protection selection)

- o 7.0 lbs
- o 13.5" x 10.5" x 6.0"
- WATERPROOF, SAND-PROOF
- Internal housing for eight (8) "AA" alkaline/primary batteries provide an 24+ hour duty cycle; also uses external DC (7-21V)

 Uses standard "military" connectors and compatible with the H-250/350 "green gear" handset



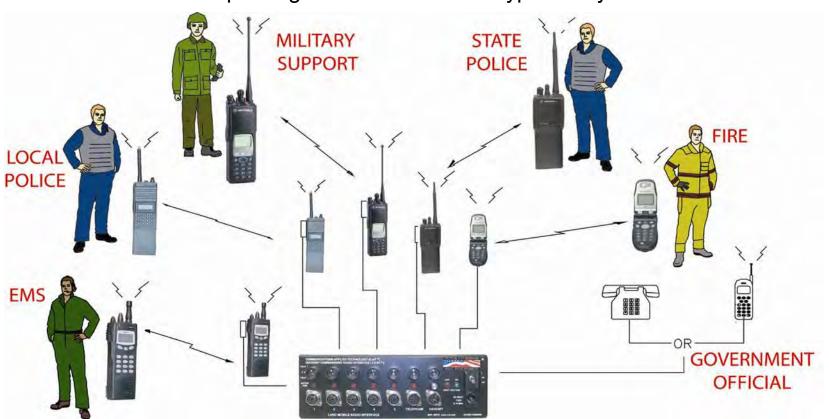
ICRI Mobile Command Post Capabilities... ICRI-4TG, 10 Radio Port with RoIP/VoIP, Rack-mountable



- 4 talk group selection for all ports
- Cell and land-line telephone (POTS/PSTN) compatible
- Commercial and military satellite compatible
- Low band, VHF, 220-900MHz legacy and P25 portable/mobile compatible
- VoIP options include DTMF pad/hook/flash switch
- Operates on external 6.5V-20, 115/220 AC
- Low current drain: 200mA @12V

Standard Application

- Frequency/channel is agency defined, not stipulated by ICRI
- Radios supplied by individual supporting teams
- Connect through radios' external speaker mic jack
- Does not require agencies to share encryption keys



ICRI in Action



Extending Situational Awareness
Extending communications into subterranean areas

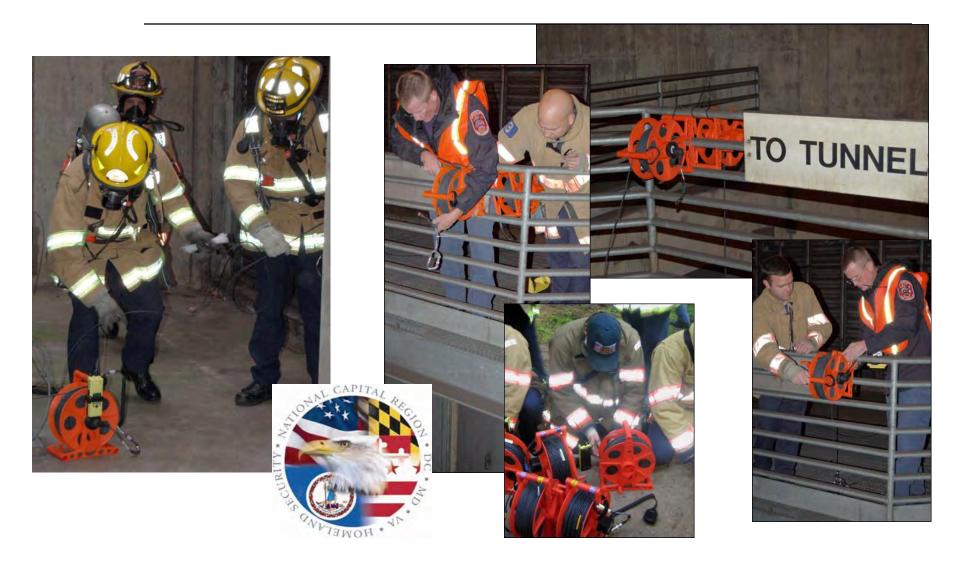
ICRI Capabilities... in support of tunnel and large structure entries

ICRI-2PED

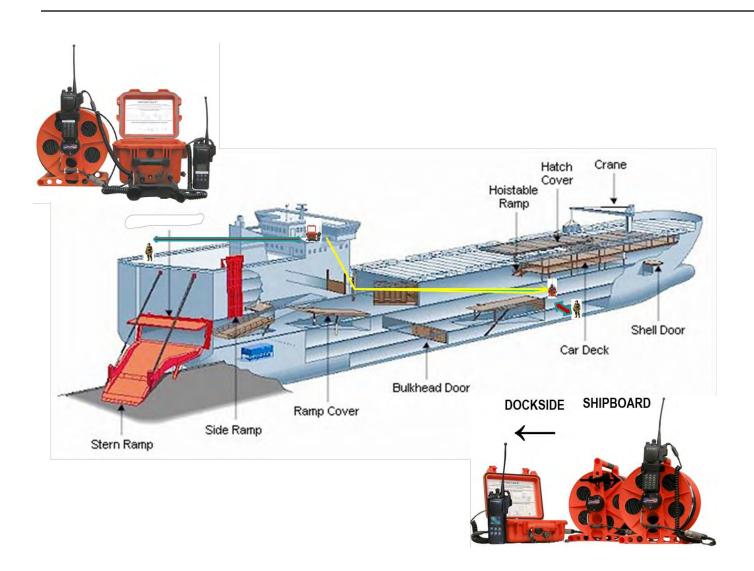
- o 6 lbs
- Tactical Repeater
- o 8" x 12" x 10"
- Two Radio I/O ports + telephone port + handset port
- 6 "AA" alkaline batteries in the internal housing provides a 30 hour duty cycle.
- Multiple cables (up to 5000')
 extends radio communications
 quickly and reliably



Recon team to TOC commo up to 5000' into a tunnel or subway system



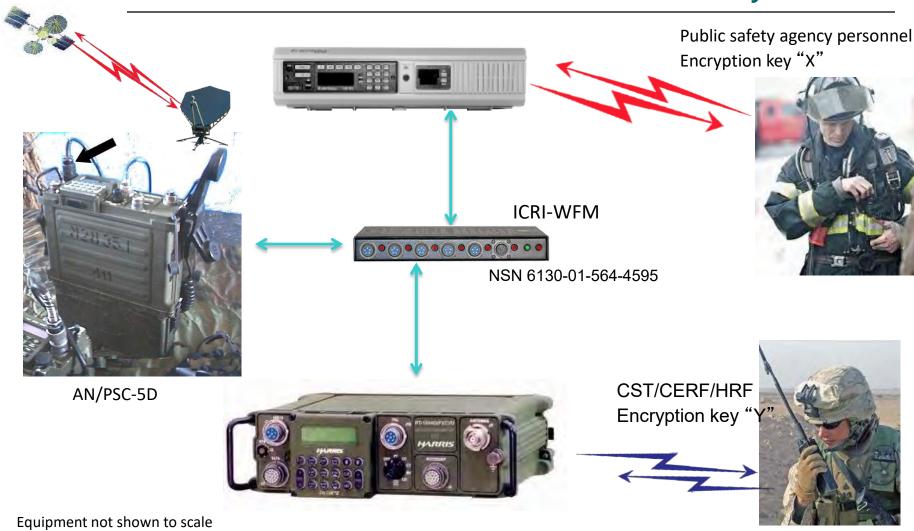
Extending communications into ships

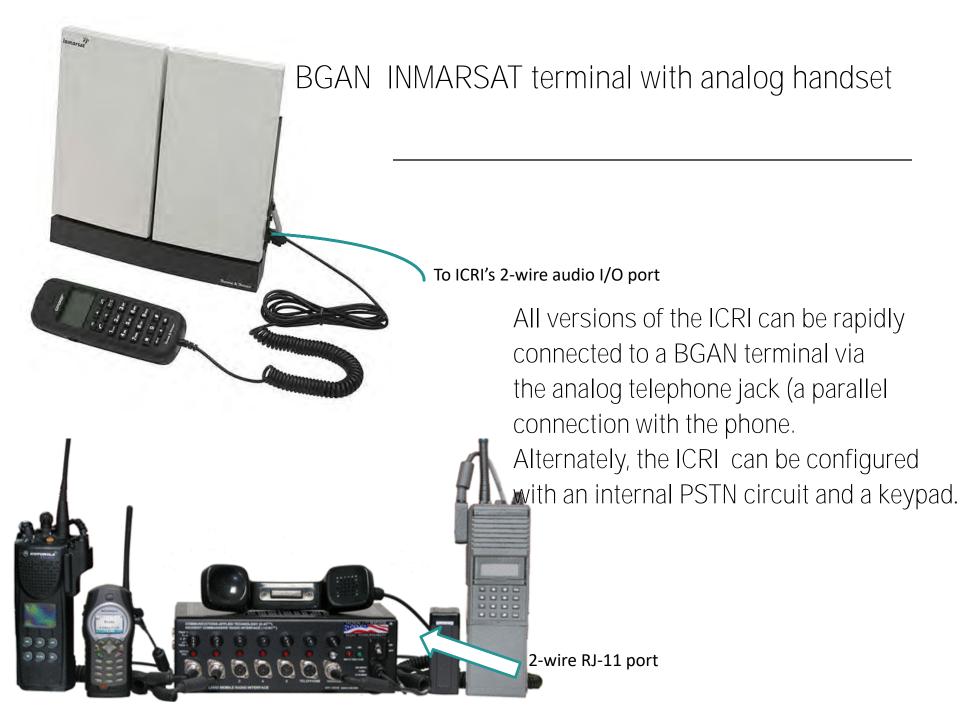


Extending Situational Awareness Line-Of-Sight Radio Link to Beyond-Line-Of Sight Using Military and Commercial satellites

ICRI Capabilities...

Seamless Radio Comms with Civilian Public Safety Personnel On-Scene and Beyond





IRIDIUM hand-held satellite terminal Thuraya 7100, 7101, SO 2510, SO 2520 and Thuraya XT hand-held satellite terminals.

All versions of the ICRI can be rapidly connected to an IRIDIUM terminal via the **terminal's** 2.5 or 3.5mm headset jack.

All versions of the ICRI can be rapidly connected to an Thuraya terminal with

acoustic coupler

a portable acoustic coupler.



Comments from the Field... Charlottesville (VA) Fire Department

"The ICRI provides the immediate ability to achieve radio interoperability between any wireless radio and/or wireless device. The unique feature of the ICRI is that not only can it meet the Rapidcom requirement of being deployed within one hour of an incident; it can literally be setup within 5 minutes.

Key to successful implementation, this device can be used to achieve interoperable communications with very little training and no technical assistance which is particularly important to adapting to new agencies or devices that need to connect. It is scalable and provides and may be used in an extended capacity through the use of a wire cable allowing interoperability to be used in buildings, basements, below grade/confined space and tunnel incidents.



The ICRI is portable and can be used practically anywhere (in any vehicle, in a facility, etc.).

From a cost perspective it is one of the most competitive devices for this functionality on the market and is generally 1/3 the price of similar market products.

It has been tested, accepted and is being deployed in military, public safety and emergency management settings around the world."

Fire Chief Charles Werner

For Additional Information...

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