

When every second counts...

Integrated Communication

...in the field is critical.



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NRG[®] NETWORK RADIO GATEWAY

Everything over Internet Protocol (EoIP)



INTEGRATING AND ENHANCING DISASTER RECOVERY COMMUNICATIONS

NRG is a solution that provides Voice over IP (VoIP)/Radio over IP (RoIP) conferencing, converging voice, data, and remote radio configuration control into a single standalone network appliance.

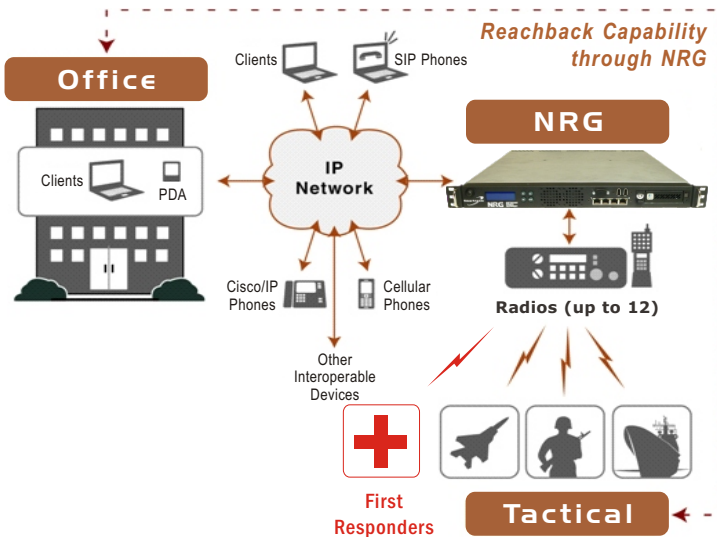
Disaster Recovery Operations Centers require the ability to seamlessly communicate with U.S. Military Forces. NRG solutions enable Communications Operators to patch voice from phones, networked clients, and radios into a single audio channel or conference, thus allowing maximum communications flexibility and improved coordination for field units. In addition, they require the ability to use a computer network to remotely reconfigure military radios to operate on different frequencies and settings. Finally, they require the ability to share expensive radio data controllers as network assets to minimize the cost of sending data over radio links. NRG has been designed to provide all of these functions in a single network appliance that is easy to configure and maintain at a lower cost.

FACTS:

- ▶ Currently used worldwide in land, air, and sea operations with configurations including portable transit cases, vehicles, and both manned and unmanned fixed sites
- ▶ More than 600 systems in use within the Special Operations Forces (SOF) community
- ▶ Used to support Hurricane Katrina relief
- ▶ Used in relief efforts in Haiti
- ▶ Used to support Operation Iraqi Freedom, and Operation Enduring Freedom

VoIP/RoIP in a Single Standalone Network Appliance

BENEFITS



- ▶ Turns a radio into a networked resource
- ▶ Allows cross communication between audio sources
- ▶ Allows multiprocessing, is fault tolerant, and has auto-recovery capability
- ▶ Easy to configure and easy to maintain

KEY ADVANTAGES

The cornerstone of NRG technology was developed over a decade ago and has continued to evolve over the years through Evolutionary Technology Insertions (ETIs), ensuring that the system remains on the cutting edge of technology. With more than 700 systems currently fielded, it continues to be the key component that allows end users to seamlessly integrate into their existing communications systems, increasing capabilities and interoperability without increasing manpower requirements.

Versatile Graphical User Interface:

- Remote control, operation, and programming of radios
- Text chat, text paging, and logging

Command and Control (C2) Monitoring:

- Single or multiple radio circuits across IP networks

Scalable:

- Supports up to 400 endpoints (any combination of users and radios)
- Supports HPW, DISA's PDA-184 implementation of MIL-STD-188-184 data standard, ViaSat V-Mail, ViaSat ADC/IP (E-mail gateway service)

Military Radios Supported Include:

- Audio, data, and remote control: AN/PSC-5D, AN/PRC-117F / G, AN/PRC-150, AN/PRC-137F
- Audio and data: AN/PRC-148
- Audio and remote control: AN/PRC-152

Non-Military Radios Supported Include:

- Audio only: any 6 pin audio connector, any RS 232, Motorola XTL-5000, Motorola XTS-5000d integrated when added to the network

MISSION ASSURED

CMMI DEV/3 | SVC/3
ISO 9001 | 20000 | 27001

MISSION BUILT

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