



ACU and CHAIN

Critical Communications Management System



Raytheon's ACU product line coupled with Invizeon's CHAIN system delivers an emergency notification message within minutes to thousands of users -- independent of device, access method, or carrier. Now, you can effectively manage communications to first and secondary responders, supporting agencies and private sector personnel.

Benefits

- Coordinates and manages communications among radio users and those with all other communication devices
- Manages all communications from an easy to use, single user interface
- Brings all first and secondary responders together under one communications system
- Provides land mobile radio users with an alternate means of contact
- Improves situational awareness
- Business rules conform notifications to your organization's policies and needs
- Promotes unified response
- Provides a true enterprise class platform for growth

ACU and CHAIN Overview

Raytheon's ACU product line is the industry leader in land mobile radio interoperability. The inclusion of Invizeon's CHAIN critical communication management system allows Raytheon to extend its interoperable solution beyond radios to cell phones, wireline phones, satellite phones, PDAs, email devices, pagers, fax machines and computers - independent of device, access method or carrier.

In crisis situations, senior officials need fast, reliable methods of distributing information to first and secondary responders, supporting agencies, public safety officials and others allowing effective response and incident management.

The CHAIN solution, coupled with the ACU product line, is the ideal critical communications management solution for

any organization looking to improve its coordination and emergency management through better situational awareness.

Technical Overview

Invizeon's CHAIN solution is a software-based emergency alert and messaging system. It uses a common alert protocol interface which supports a full duplex data exchange between disparate systems. Built using open architecture, the CHAIN system and Raytheon's ACU product line allows an incident manager to deliver and manage critical and time sensitive information according to an organization's business rules.

CHAIN System

This system provides incident managers the ability to send notifications to any authorized recipient and includes the tools to manage them effectively. The CHAIN system is easily configurable to any organiza-

tion's specific emergency response plans.

Users access the CHAIN system via a web-based interface and can then manage the transmission of messages and emergency alerts to first and secondary responders regardless of device, network or protocol based on preprogrammed or ad hoc talkgroups. CHAIN also organizes users by agency, department, group and area and facilitates their inclusion in response plans.

Applications

- Public Safety
- Education
- Healthcare
- Enterprise
- Utility
- Military
- Federal

System Overview

- Fully interoperable system compatible with existing communication devices and infrastructure
- Secure hosting with no single point of failure
- Base notification capabilities include 12,000 voice, 18,000 text and 9,720 emails per hour
- Scalable to higher outputs based upon customer requirements
- Service level agreement commitments of 99.99% reliability with more than 4.5 years of continuous, uninterrupted service

Land Mobile Radio Broadcast Service

- Enhances rapid response coordination and interoperability with first responders, secondary responders, reporting agencies, and personnel
- Supports VHF, UHF, 700 Mhz, 800 Mhz, conventional or trunking, P25
- Control sites define broadcast groups and sends alerts, a preset number of times, to selected ACU units and channels

Rules-based Platform and User Interface

- Combines security, authentication, authorization and permissions under one dynamic platform
- Provides an intuitive user interface tailored to permission level
- Enhanced browse and search capabilities
- Organizes users by agency, department, group, role, location and device
- Allows users to define preferred methods of contact for different levels of alert priority
- Interfaces with ERP software, PeopleSoft and STROHL

Real-time Sensor-based Alerting

- Integrated, automated process including GPS and vehicle tracking
- Utilizes common alert protocol (CAP) interface providing secure system to system communication and notification
- Automatically triggers template driven alerts to recipients

Collaboration Tools, Tracking and Reports

- Meets continuity of business, government and operations requirements
- Allows users to share and store documents
- Integrates with most intelligent sensor or analysis devices
- Generates history automatically for each notification
- Exports reports in various formats

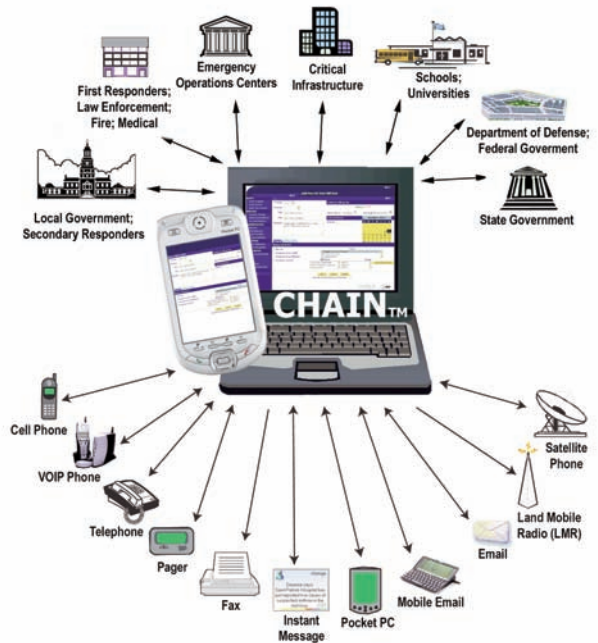


Photo caption: By combining Raytheon's ACU products and Invizeon's CHAIN system, a comprehensive solution now exists for bridging land mobile radio and other commonly used communications devices for emergency response messaging.