Cisco IMICS At-A-Glance

Instant and Mobile Integrated Communications Solution

Need for Instant and Portable Communications

Access to the right information at the right time can save lives and loss of property during a disaster. For state and local governments that spend millions of dollars on disaster recovery preparedness, communications infrastructure during an emergency is the most critical component. Public safety agencies depend on mobile communications to act fast and effectively. Similarly for businesses, staying connected and operational during a natural disaster or network outage can be critical to long-term success.

Recent events like hurricanes in the US Gulf Coast and earthquakes in Asia have have shown that terrestrial communications infrastructure are prone to prolonged disruptions and there is need for a robust, indendent and rapidly deployable communications solution.

Existing Solutions

Existing mobile communications systems are are highly specialized command vehicles that lack portability. During a disaster such as a hurricane or earthquake, these vehicles have limited access to the affected sites. These systems also tend to be expensive and require expert technicians to operate, thus making it difficult for smaller agencies and businesses to plan for disaster recovery communications.

An effective solution is one that is:

- Portable (size, weight and power)
- Rapidly deployable (in minutes, rather than in hours)
- Flexible and interoperable
- Cost effective

Cisco Instant and Mobile Integrated Communications

The Cisco® Instant and Mobile Integrated Communications Solution (IMICS) is a rapidly deployable and portable communications kit that provides secure data, voice, and wireless services if an emergency or network outage occurs. Cisco IMICS uses commercial off-the-shelf Cisco Systems® products and technologies in combination with a third-party auto-acquisition very-small-aperture-terminal (VSAT) antenna to provide out-of-box communications. Because Cisco IMICS employs satellite connectivity for backhaul, it is completely independent of the local communication infrastructure. The network coverage can be extended to surrounding areas using the Cisco wireless mesh network that can be laid down in real time.

Who Needs Cisco IMICS?

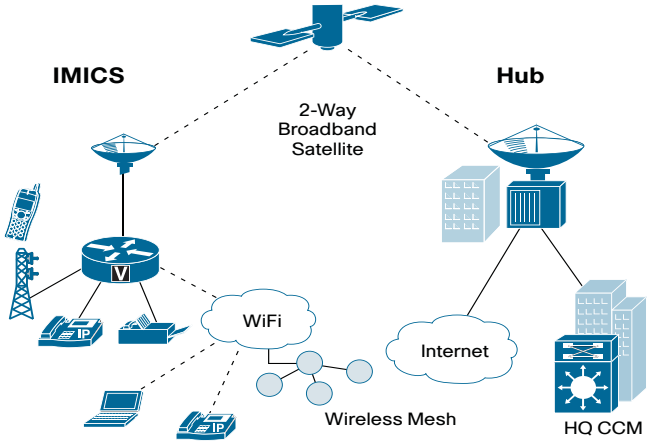
- State and local governments for disaster recovery
- First responders for emergency response communication
- Schools, hospitals, and temporary shelters in the wake of a disaster
- Construction sites, outdoor conventions, and state fairs
- Enterprise branch offices and retailers for business continuity
- Broadcasters and remote surveillance teams

The primary applications of IMICS are:

- Emergency response communications
- Business continuity
- On-demand network for worksites and events

What Does Cisco IMICS Provide?

- Internet connectivity with TCP/HTTP acceleration
- IP telephony with wired and wireless IP phones
- Analog phone and fax capability
- Local call control with Cisco CallManager Express
- Local voicemail capability
- WiFi hotspot for data and voice devices
- Simplified WLAN management, including mesh networking
- Radio interoperability over IP
- Video and content distribution and Web caching
- Mesh wireless capability to extend network coverage



Why Cisco IMICS?

Built around the award-winning Cisco 3845 Integrated Services Router, Cisco IMICS offers the best-of-breed technology integration. Satellite backhaul provides high availability and reliability, and the auto-acquisition antenna makes startup quick and easy. Cisco IMICS can be deployed in *under 10 minutes* to provide the complete suite of data, voice, and wireless services.

The Cisco IMICS kit weighs less than 250 pounds and requires only 600 watts of power. It is completely customizable and is offered as a managed service by several of Cisco's partners.

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