Solutions Presentation

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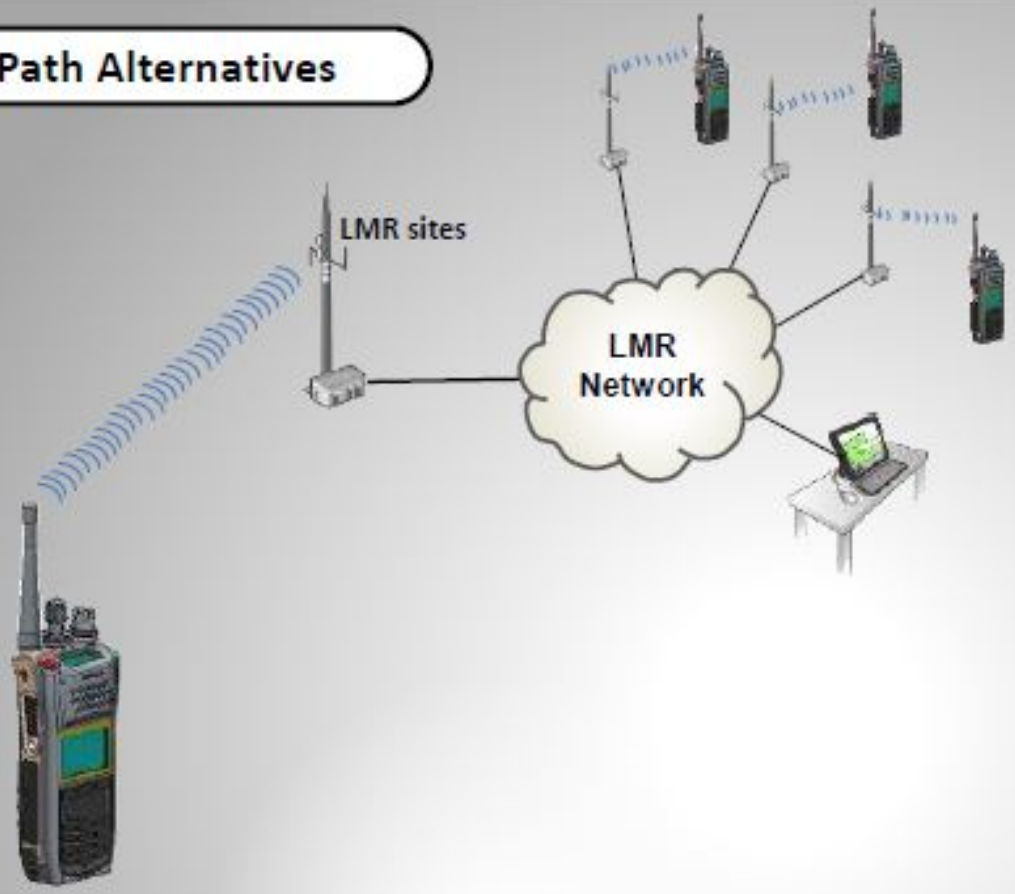
PS&PC

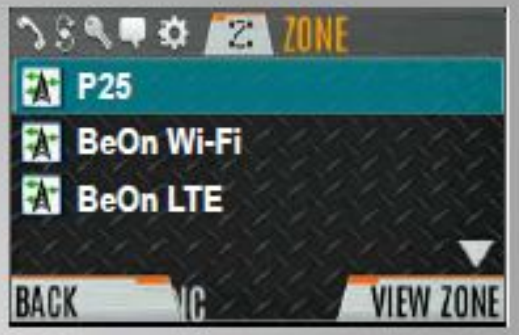
LTE
Wi-Fi
Safe
Trust
Easy
Security
Migration
Convergence
Clear audio
Ready for the Future
loud crisp audio
Smaller simple
rugged
Lighter
Reliable
battery life
Encryption
Full Spectrum
Stealth
dependable
Harris Assured
Broadband
Multiband
HARRIS
XL-200
XL-200P
HARRIS

The Converged Future

- A single technology is unlikely to serve the diverse needs of all first responders
- Networks, devices, and applications must all support multiple technologies
  - Converged Networks support Group Communication Services
  - Converged Devices support multiple technologies
  - Converged Applications run on multiple platforms

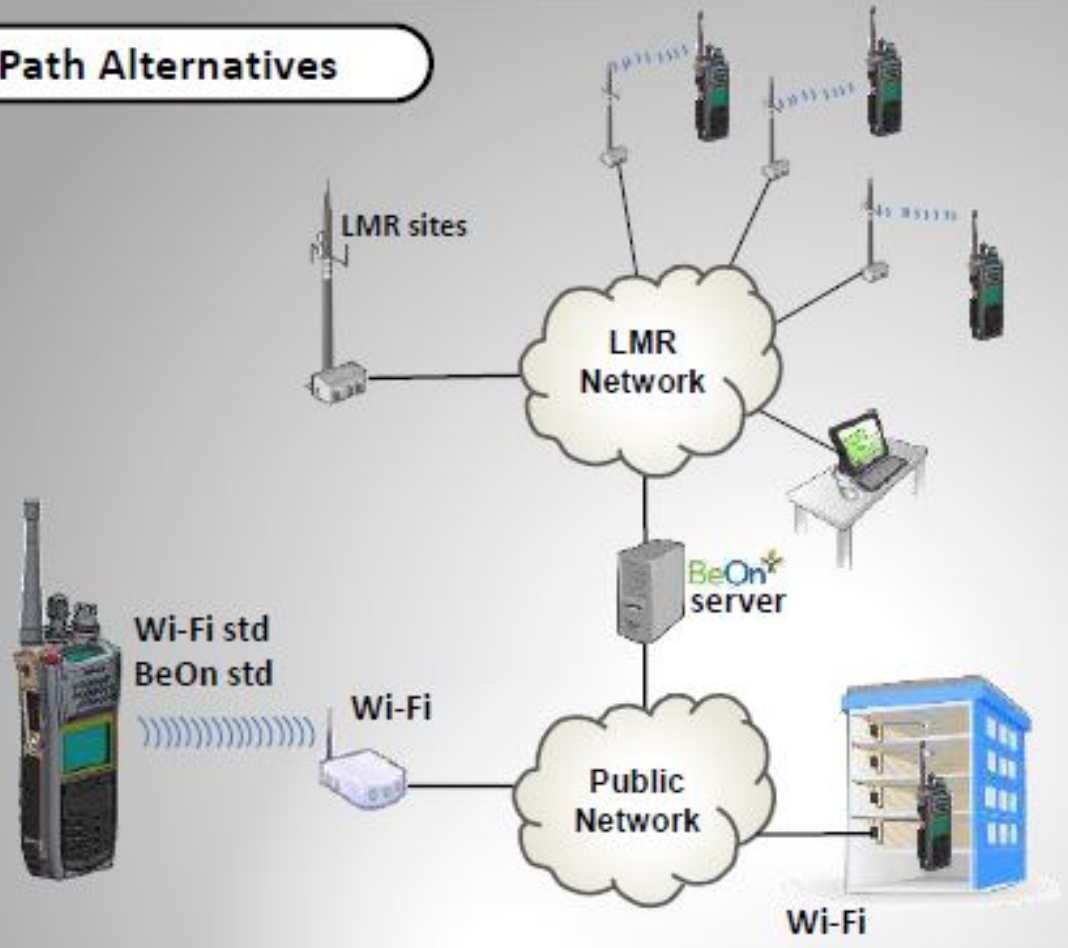
RF Path Alternatives





Choose a P25 System/Zone

RF Path Alternatives



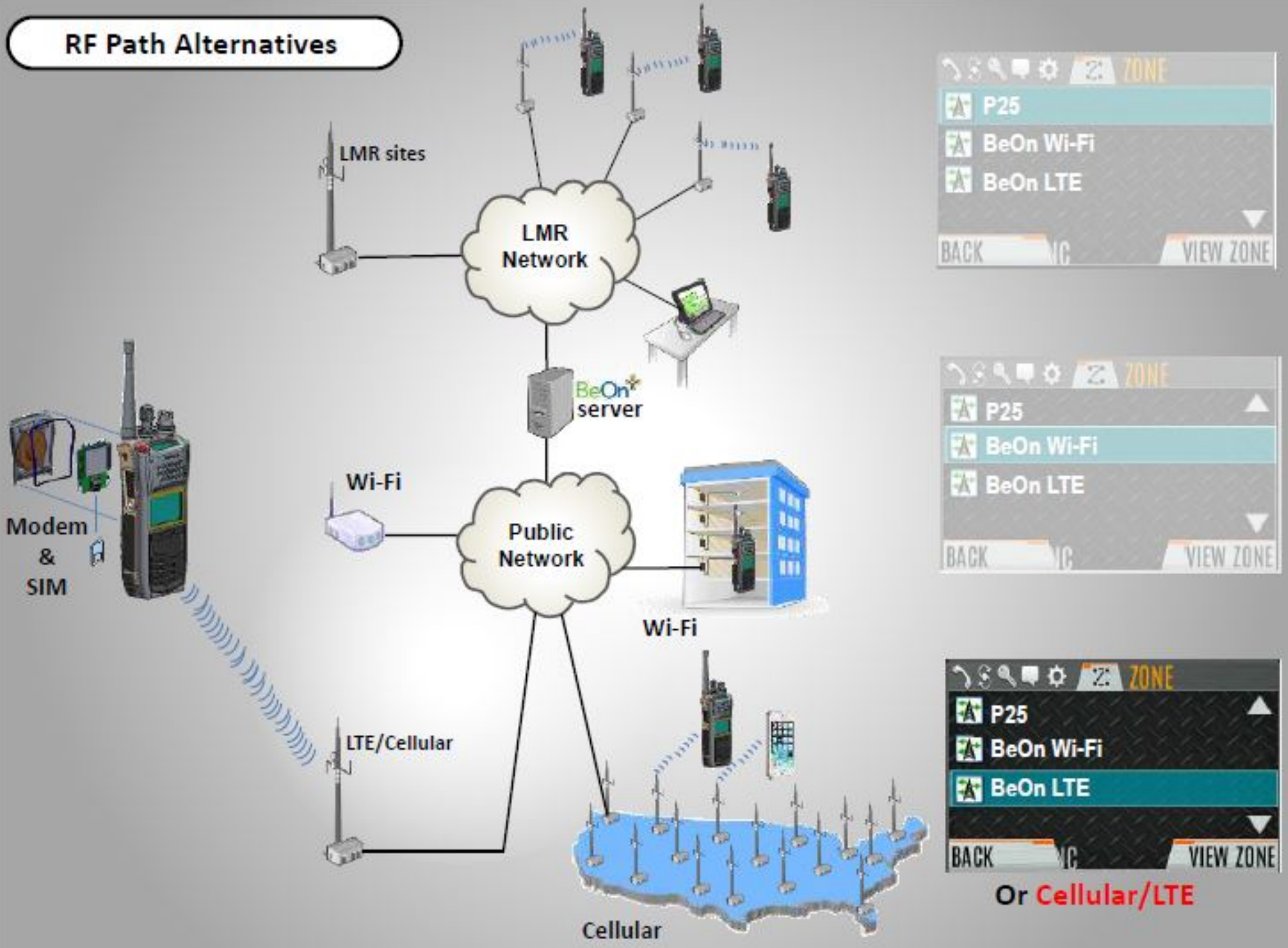
Or a Wi-Fi System/Zone

Question: Does the BeOn app come for free on the radio?
Answer: Yes. (Similarly, BeOn can be downloaded free from the app store onto a phone)

Question: Does that mean BeOn is free?
Answer: No, only on the radio. You still need to pay for a server license

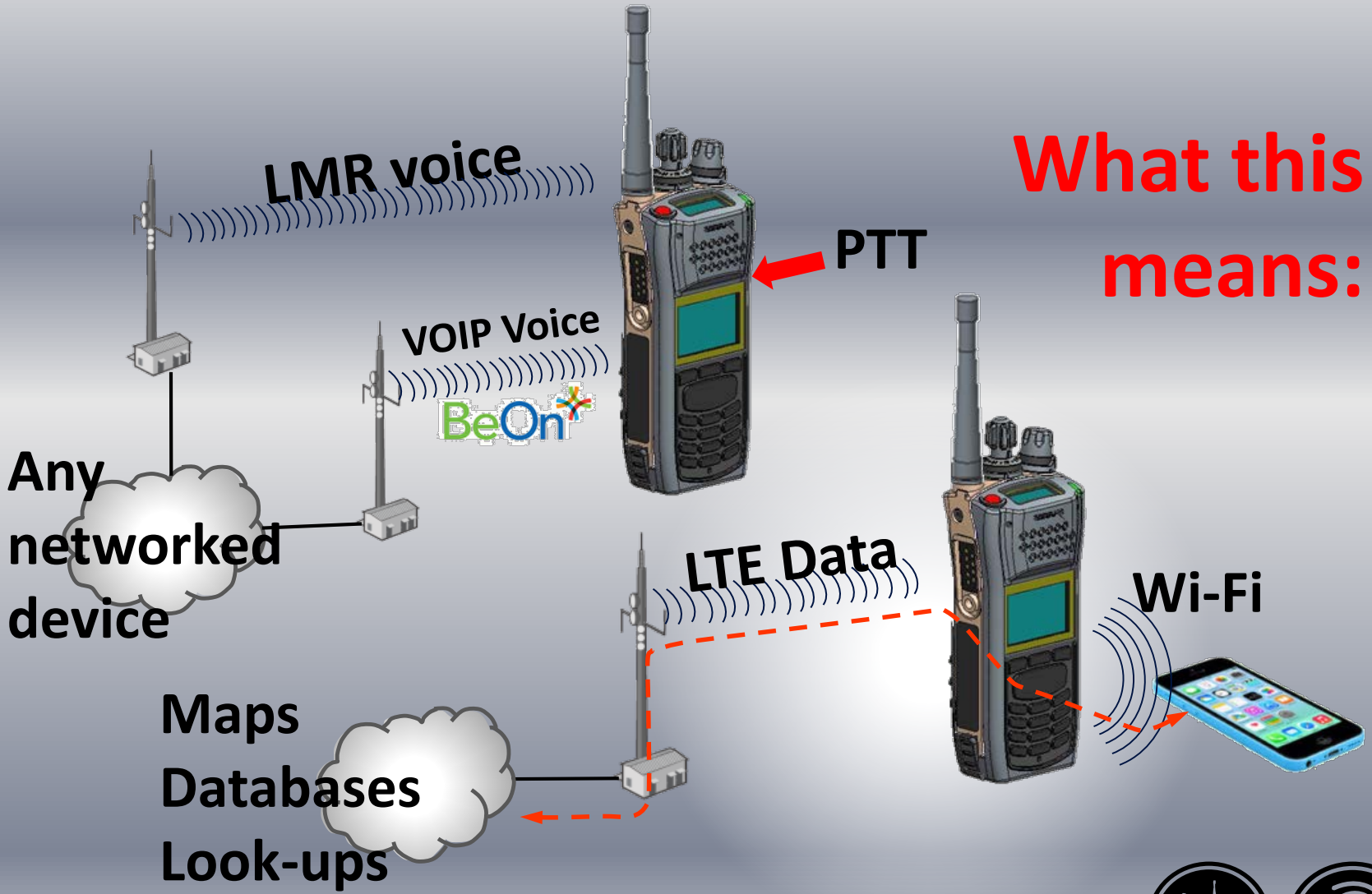
Question: How do I get access to a BeOn server?
Answer: A BeOn server has been included with every P25 system ever since SR10A. And our RCEs offer BeOn subscriptions.

RF Path Alternatives



Or Cellular/LTE

Connectivity



Harris Connects Smartphones with P25

SmartPhone on any Commercial 3G/4G network

P25 Voice Features

P25 Radios & Consoles on a Harris P25 network

Only full P25 Broadband Solution

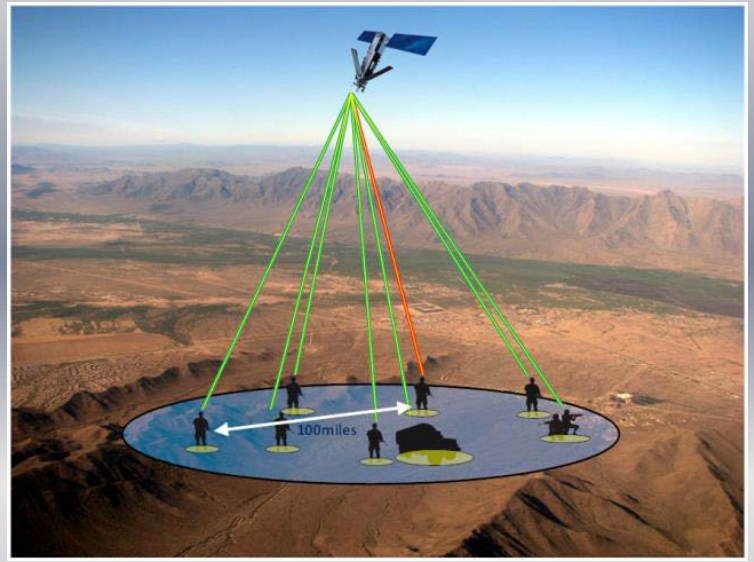
- **P25 AMBE VOCODER**
- **Group, individual and confirmed calls**
- **Distress calls**
- **Priority and preemption**
- **256-bit AES encryption**
- **Late call entry**
- **Featured dispatch capabilities**

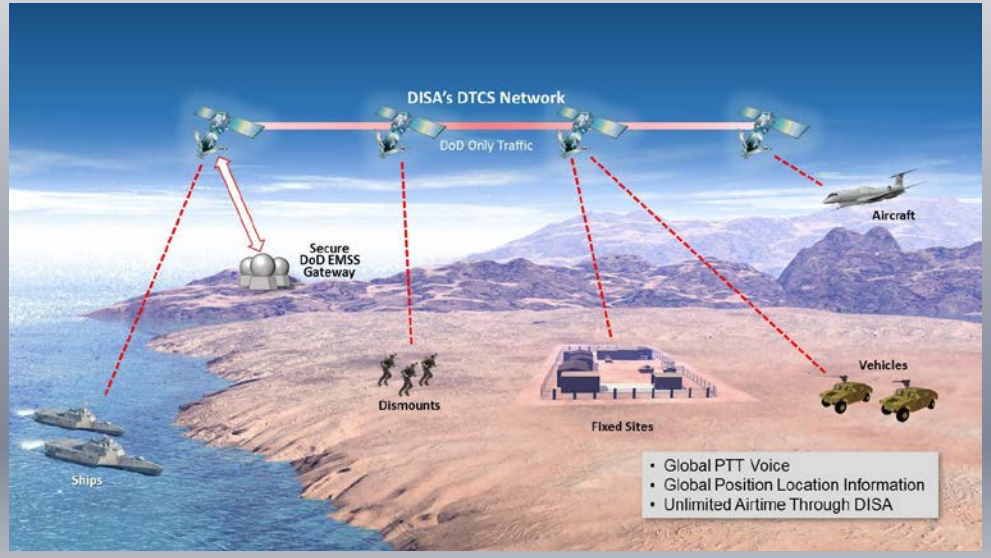
RO Tactical Radio

- Distributed Tactical Communications System (DTCS)
- Operates on the Enhanced Mobile Satellite System
  - Connects USG and Emergency Management partners to the commercial Iridium satellite constellation.
  - Dedicated and secure DoD and EM gateway.
- Voice and data communications
- Field configurable multi-net operation
- Global Friendly Force Tracking (FFT) utilizing built in GPS receiver
- Un-tethered operation with built-in speaker and mic
- Headsets/Handsets compatible via standard 6-pin interface
- Secure communications utilizing NIST certified AES 256 encryption

RO Tactical Radio

- Tactical Nets
  - Tactical use within ~250miles
  - PTT
  - Messaging (Short Data Burst SDB)
  - Regional Positioning Location Info (PLI)
- Global Nets
  - PTT
  - Global Use covering wide areas
  - Gateway directed traffic
  - Global PLI
  - Messaging
- Gateway back to LMR systems and also back to LTE.

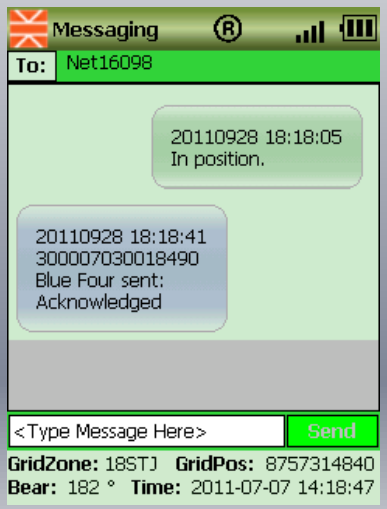


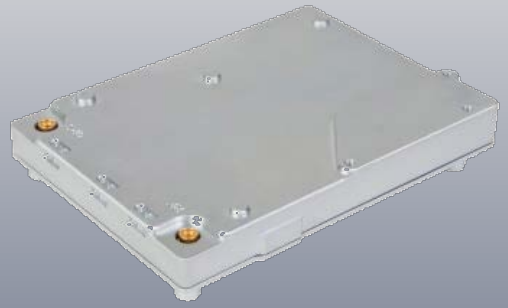


RO Mobile Awareness Platform

The RO-MAP is a rugged PDA providing Situational Awareness (SA) and Beyond Line of Sight (BLOS) messaging via the RO Tactical Radio

- **Situational Awareness via dynamic-map display of PLI information**
  - Precise MGRS grid and heading information
- **Monitor and participate in "Chat" messaging sessions between net members**
- **Over-the-shoulder remote control of the RO Tactical Radio**
- **Ease of use, rugged, and long battery life**



- EMSS Airtime
  - Unlimited number of subscribers
  - Unlimited Usage
  - No additional cost for increasing subscriptions or usage
  - One time RO activation charge
  - One time Net activations charge

Questions