Solutions Presentation

Tom Knapp
Solutions Sales Engineer
Harris Corp.
PS&PC
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
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.
What this means:

- LMR voice
- VOIP Voice
- LTE Data
- Wi-Fi

Any networked device
Maps
Databases
Look-ups
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
• 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.
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