



New Trends for Critical Communications

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Safer cities. Thriving communities.

AGENDA



TRENDS & CHALLENGES

SOLUTION OVERVIEW

Q&A

ADOPTION OF NEW DEVICES AND NETWORKS

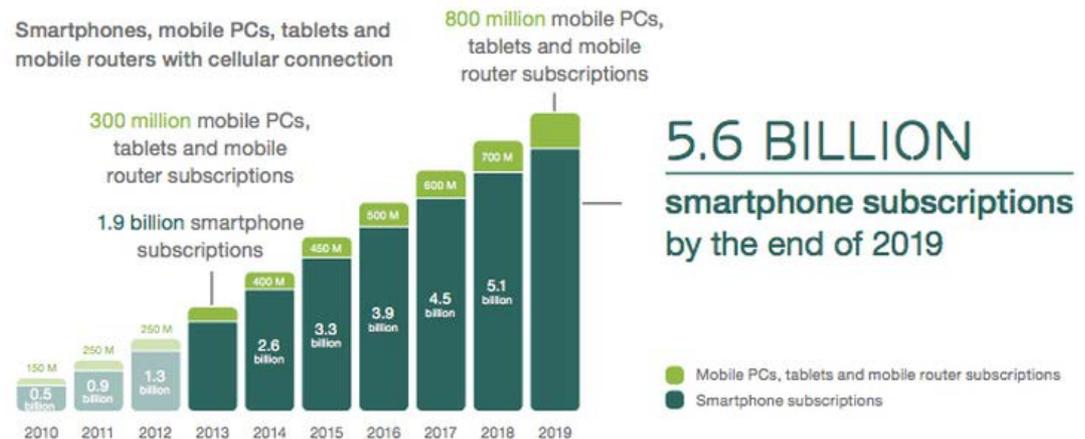


Broadband Everywhere

- Public and Private 3G/4G LTE
- Public and Private WiFi
- Enterprise LAN/WAN

Smartphones & Tablet growth

- BYOD Movement - Android, iPhone
- Consumer & Customized





RADIO INTEROPERABILITY CHALLENGES



Emergency Response

- Responders and agencies not always prepared for joint operations/responses

Variety of LMR equipment in use

- UHF, VHF, 800Mhz, P25
- Various analog/digital systems

**CONNECT LMR SYSTEMS FOR
BETTER COLLABORATION**





SHRINKING BUDGETS



I NEED TO DO **MORE** WITH LESS

How do I get more out of existing resources?

How do I meet the growing expectations of my community?

How do I better utilize my IT investments ?

How can I better leverage LMR?





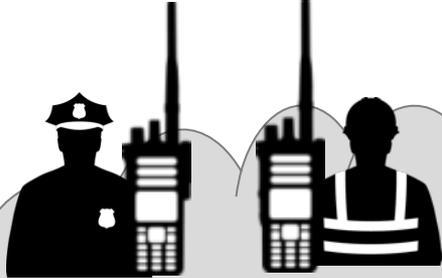
MOTOROLA'S VISION



Extend LMR communication effectively,
securely, reliably and in real-time
regardless of network, carrier or device!

WAVE – Wide Area Voice Environment

WAVE ENABLES UNIFIED WORK GROUP COMMUNICATIONS



**Purpose-built Radio
on Public Safety and
Government Service
Radio System**



**Specialized Smartphone
on Optimized Broadband
Network**



**Consumer-grade
Broadband Device on
Broadband Carrier**

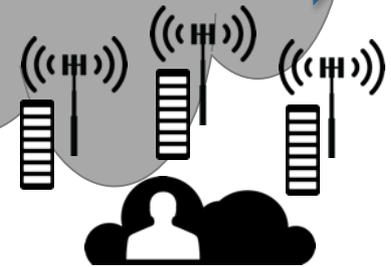
CRITICAL COMMUNICATIONS ACROSS ANY NETWORK ON ANY DEVICE



Land Mobile Radio



Public Safety LTE



Broadband Carrier/WiFi



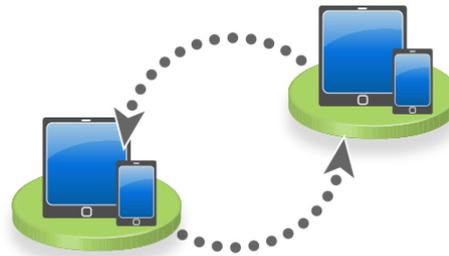
THREE PILLARS OF WAVE



Extend

Radio to Broadband

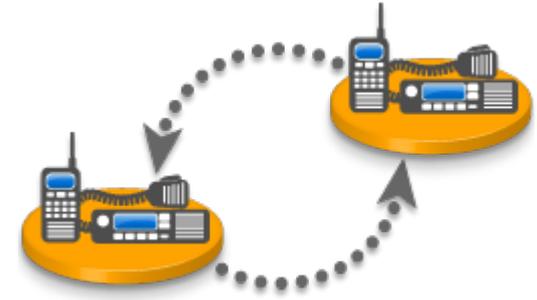
Extend communications beyond radio to include modern devices and broadband networks ensuring greater workforce connectivity and interoperability



Broadband PTT

Broadband to Broadband

Secure, over-the-top PTT applications over public or private broadband networks provide customers greater device, network and use-case flexibility



Connect

Radio to Radio

Connect disparate land mobile radio systems and remove barriers to interoperability and mutual aid

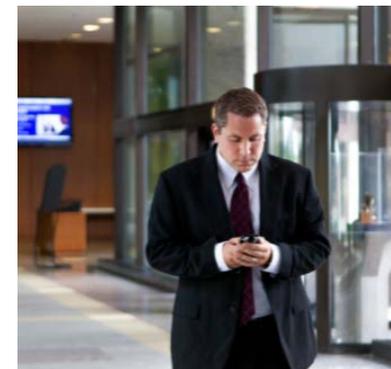




A COMPREHENSIVE COMMUNICATION SOLUTION



EXTENDING REACH to radio users beyond the radio system, enabling connectivity to broadband networks and other radio systems



ENHANCING CHOICE for users who cannot or do not carry a radio, but still need occasional interoperability with radio users



INCREASING PRODUCTIVITY by enabling non-radio users to collaborate efficiently via secure voice and data





WAVE PORTFOLIO



WAVE COMMUNICATORS



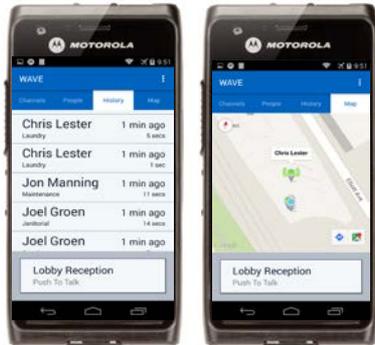
WAVE Communicators Provide the User Interface to a WAVE Communications System

WAVE Mobile Communicator

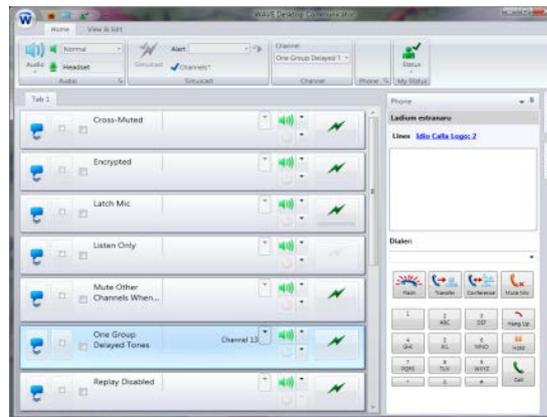
Consumer Grade



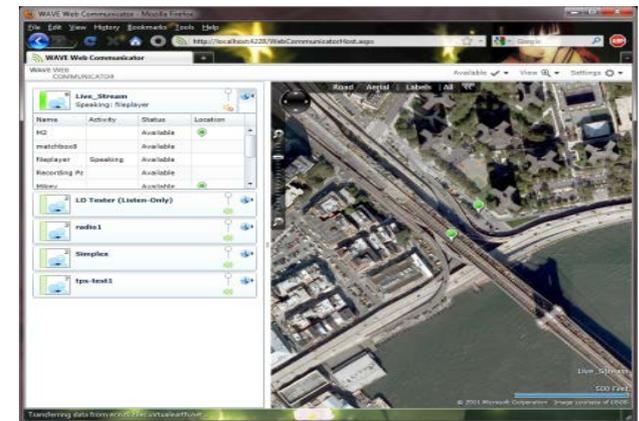
Custom Device



WAVE Desktop Communicator



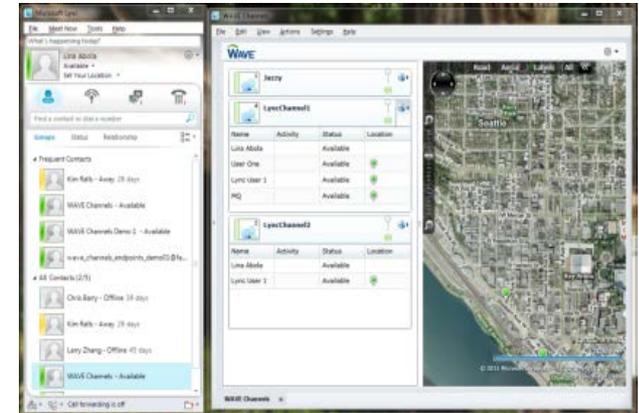
WAVE Web Communicator



WAVE Dispatch Communicator



WAVE Lync & WAVE SharePoint Communicators

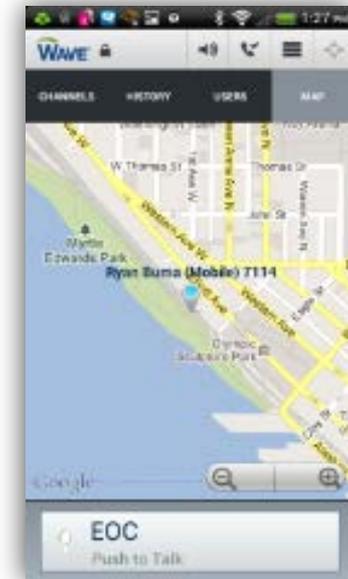
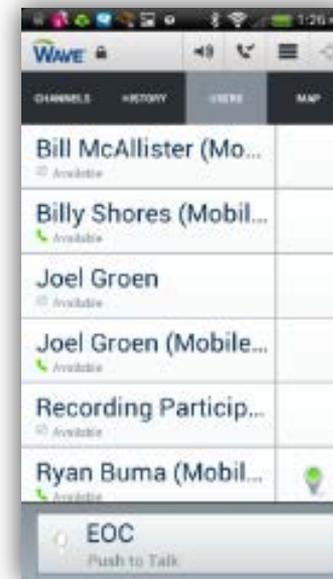
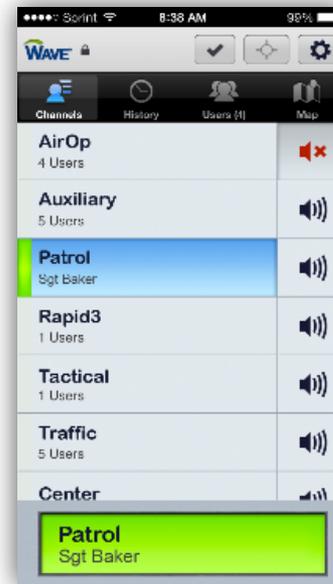




WAVE MOBILE COMMUNICATOR



- **Android and iOS, BYOD Support**
- **Public PTT for team communications**
- **Private PTT for individual conversations**
- **Multichannel Support**
- **Tabbed Interface**
 - Channels
 - History
 - Status & Presence
 - Maps
- **AES 256 Encryption**





MOTOROLA LEX L10



Purpose built public safety device, consumer based smartphone

Key Features:

- **Motorola's leading Public Safety optimized phone**
- **Full tactile PTT button**
- **Best in class audio with 1w dual speakers**
- **Best in class security FIPS 140-2 Level 3 CRYPTR**
- **Secure boot & hardened Android**
- **PS LTE band (B14) and Carrier LTE, Dual SIM**
- **X-Cap Battery – 20 hours**
- **IP67 / MIL-810G (4 ft. to concrete)**
- **Bright 4.7" HD display**

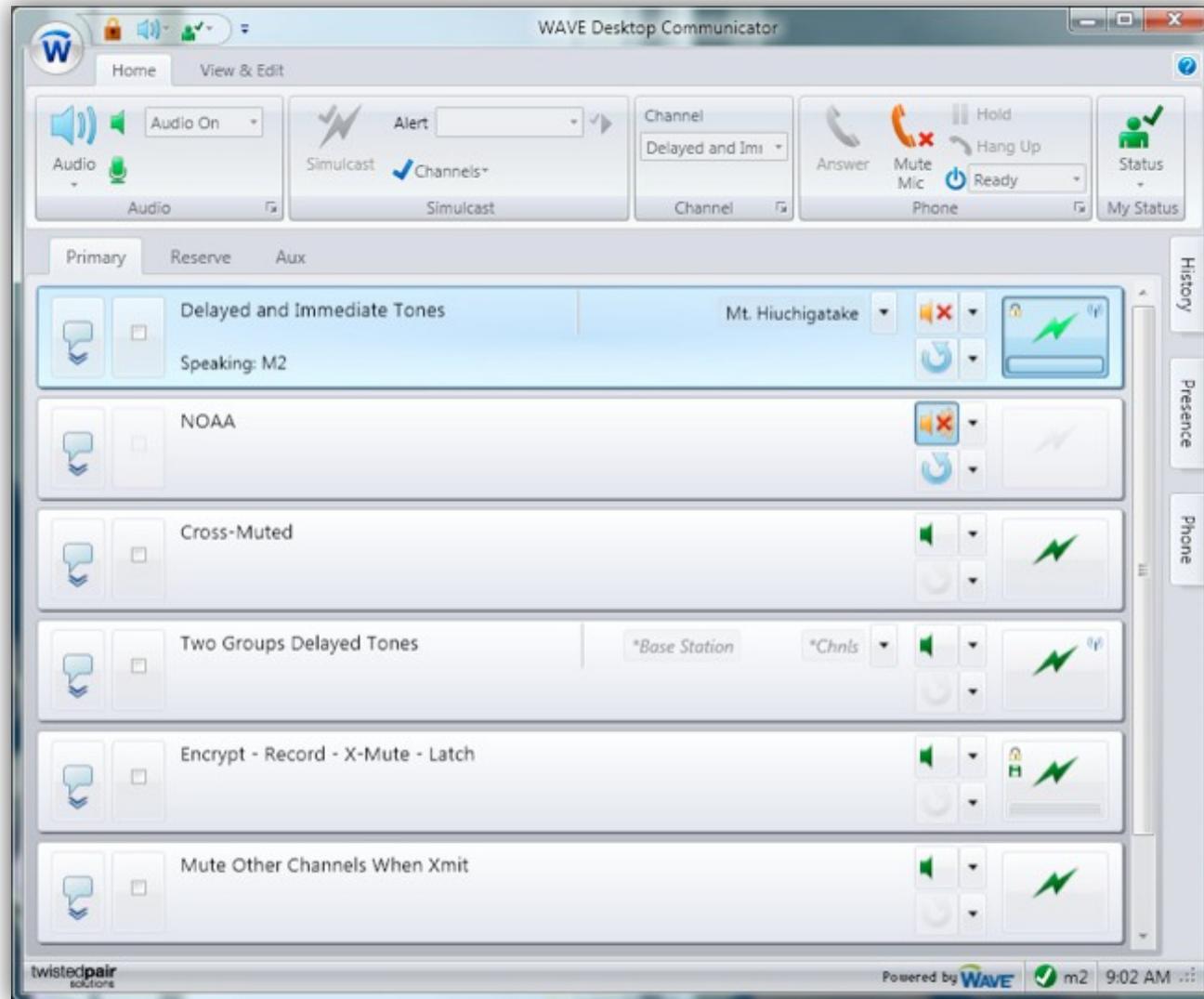




WAVE DESKTOP COMMUNICATOR



- Instant Channel Replay
- Alert Broadcast
- Visual Activity Indication
- Call History and Presence
- Location Map
- Softphone Interface

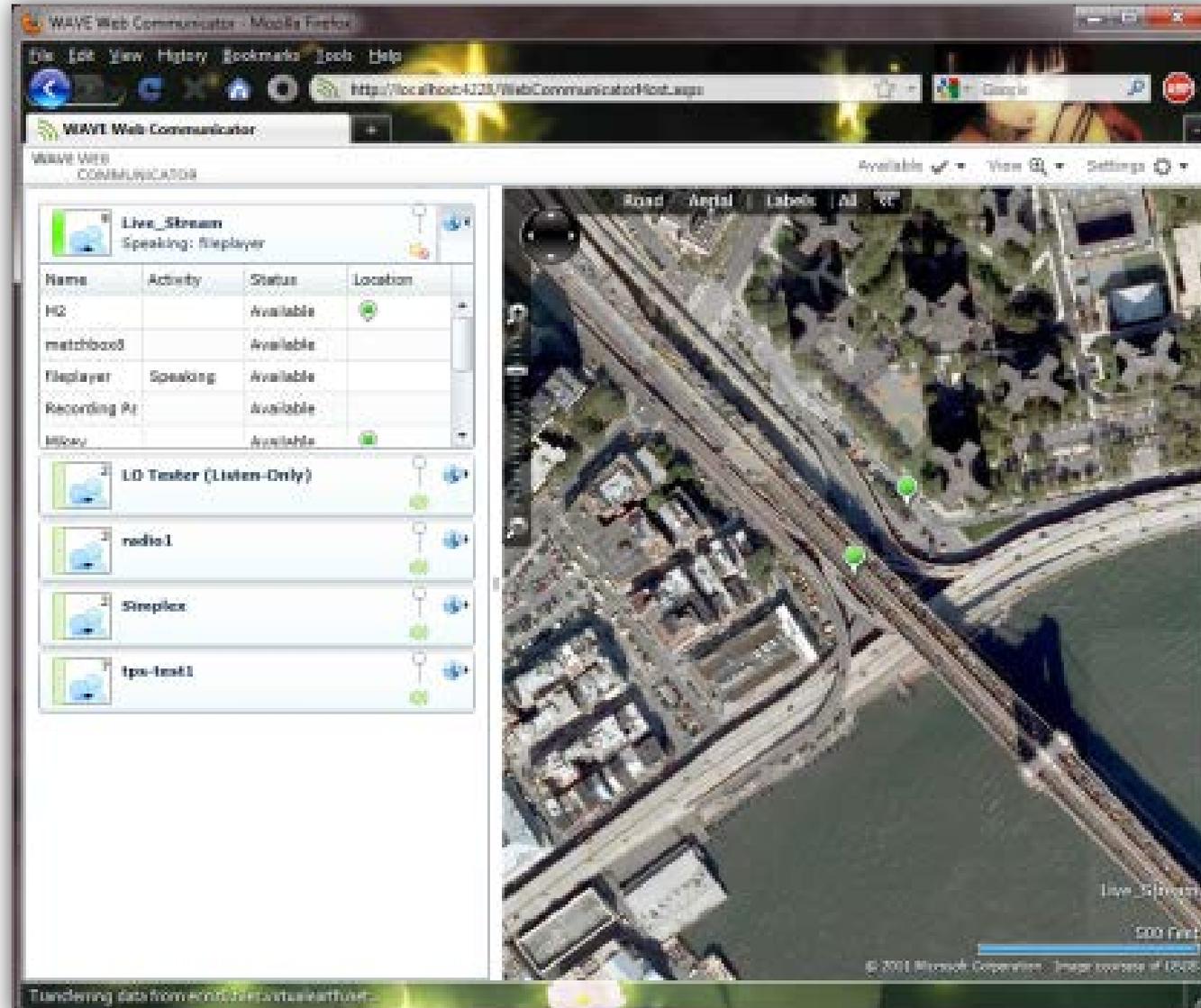




WAVE WEB/LYNC COMMUNICATOR



- Unique Profile for Every User
- Same User License for all Clients
- Group Calls across Systems
- Visual Activity Indication
- Call History
- Secure Communications
- Any Internet connection





WAVE SCHOOL APPLICATIONS



One Device 4 uses

- Local – District Chat Channel
- School Bus Radio Channel (TRBO)
- Resource Officer Channel (P25)
- Emergency Channel (P25)



WAVE SECURITY

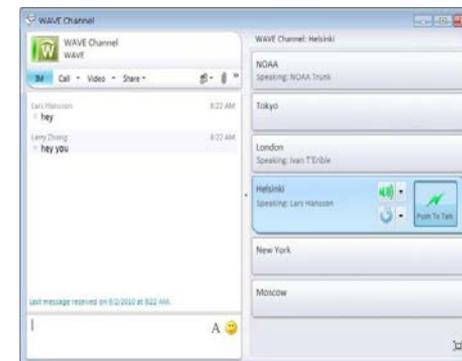
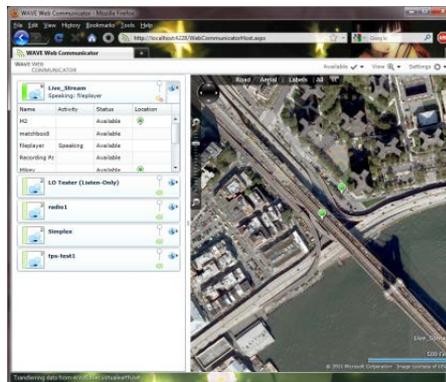
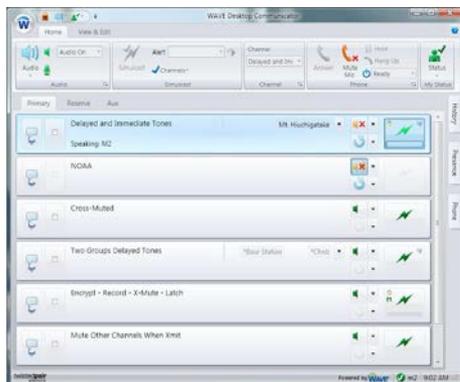
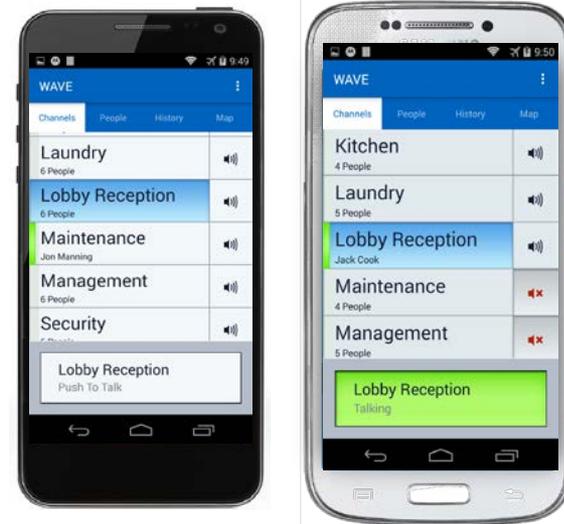


- **Secure Communicators**

- Username and password for each user
- AES 256 bit encryption on voice & data
- Audio, control and credentials are all encrypted over broadband network

- **Secure System Operation**

- Centralized system management and configuration





Q & A



**THANK
YOU**