

Hytera

Nationwide HALO



Hytera HALO Nationwide

Hytera HALO Nationwide is subscription-based service that provides instant individual and group calling over the most advanced nationwide Push-to-Talk Over Cellular (PoC) radio network.

Hytera HALO Nationwide utilizes the 4G/LTE cellular infrastructure of Mobile Network Operators and Wi-Fi networks.

4G/LTE cellular networks enable unlimited coverage area so radio users are untethered by the range of repeaters and base stations used in traditional radio networks.

Hytera HALO Nationwide supports the wide variety of rugged and feature-rich Hytera PoC devices.

Wide-Area Push-to-Talk over Cellular (PoC) Group Communications Solution






Communicate. Coordinate. Facilitate.





Communicate instantly with nationwide groups of remote workers using a variety of PoC devices.

Coordinate worker locations and jobs with GPS route tracking and geofencing.

Facilitate cost reductions by improving operational efficiencies and quickly solving problems.

Key Features

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NATIONWIDE COVERAGE
 - PoC leverages 4G/LTE and Wi-Fi networks to provide secure and instant nationwide radio communications
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NO INFRASTRUCTURE REQUIRED
 - No need to purchase, operate, and maintain traditional radio network infrastructure
 - No expenses related to owning radio equipment or FCC frequency licenses
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RAPID DEPLOYMENTS
 - Since the radio network infrastructure already exists, PoC systems are very quickly deployed
 - PoC radios work out-of-the-box with SIM cards pre-installed
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UNLIMITED CHANNELS AND BANDWIDTH
 - The Hytera HALO PoC platform allows any number of virtual channels and as many call groups as required
 - LTE networks also support bandwidth-hungry applications like user initiated video calling
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GROUP AND INDIVIDUAL CALLING
 - Instant one-to-one (individual) calls, or one-to-many (group) calls to different groups
 - Quickly build dynamic call groups with a simple list selection or geographically by selecting an area on the dispatch map

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GPS LOCATION TRACKING
 - PoC devices with integrated GPS enable location tracking with the Hytera HALO Dispatch application
 - Enables tracking of driver locations and travel routes with time stamps
 - Draw geofence boundaries for individuals or groups of remote users, and receive alarms when workers enter or leave geofence areas
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SAFETY FEATURES
 - Supports sending and receiving Emergency Alarms for enhanced worker safety
 - Dispatcher can remotely monitor audio and video during emergency situations
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REMOTE STUN AND REVIVE
 - Dispatch can stun (disable) and revive (turn on) remote radios that are lost or stolen, or used maliciously
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TEXT MESSAGING AND SHARING IMAGES
 - Users can communicate with each other and dispatch with free-form or pre-programmed text messages
 - PoC devices with cameras can also share pictures with other PoC devices and HALO Dispatch

Hytera PoC Devices

Hytera provides a wide variety of PoC devices for operation on the HALO Nationwide System, including PoC handheld radios, PoC mobile radios, and PoC mobile computers.

- Industry-leading audio quality with digital noise suppression
- Long battery life
- Rugged and reliable
- Built in Wi-Fi, Bluetooth, and GPS



How It Works

Hytera PoC devices access the HALO Nationwide PoC controller through the internet using 4G/LTE cellular networks and Wi-Fi networks for wide-area radio communications.

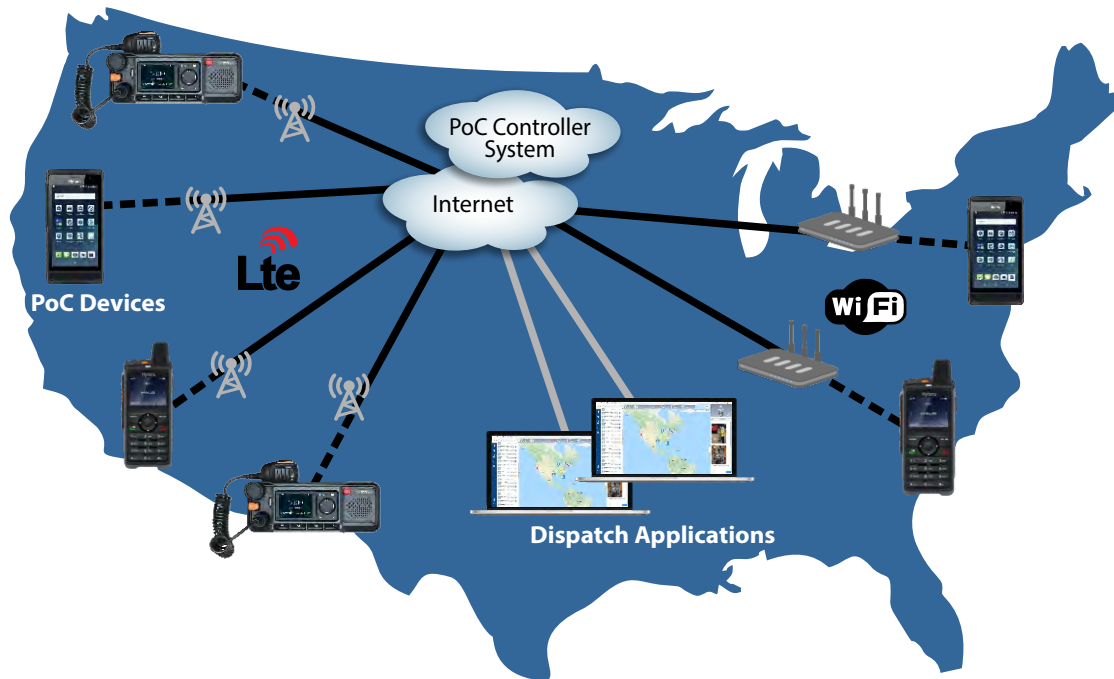
PoC is also referred to as Radio over IP (RoIP). Similar to Voice over IP (VoIP), RoIP devices are handheld two-way radios that access cloud-based PoC services via the internet for voice and video calling. A data plan SIM card (similar to those used in cell phones) is installed in the PoC device to enable access to the internet using the 4G/LTE cellular infrastructure of Mobile Network Operators.



HALO Nationwide services are hosted on the cloud using PoC controllers (network appliances). PoC controllers can also be privately owned and operated by the customer (see HALO OnSite). Gateway routers provide connectivity between the 4G/LTE network and the cloud hosted PoC controller.

The result is access to existing and reliable networks that require no maintenance or operational expenses.

HALO Dispatch web browser applications also connect to the PoC cloud server through the internet.



Hytera HALO Nationwide includes HALO Dispatch, a powerful web-based dispatch application (for an additional low-cost license fee).

Hytera HALO Dispatch supports instant voice and video group calling as well as individual calling. Dynamic groups can be quickly created with a simple list selection or geographically by selecting an area on the dispatch map. Hytera HALO Dispatch leverages the GPS built into Hytera PoC devices for tracking of driver locations and travel routes with time stamps. The dispatcher may stun (turn off) and reactivate a radio, and receive and transmit emergency calls and text messages.



Target Applications

Organizations that use PoC services require cost-effective single-site and wide-area group voice communications.

HALO Nationwide is designed for organizations needing to communicate with mobile work forces, and don't want to invest capital in the infrastructure required for traditional radio networks.



- Security Companies
- Transportation and Logistics
- Manufacturing
- Hotels and Resorts
- Property Management
- Hospitals and Healthcare
- Agriculture
- Schools and Universities
- Construction and Building Materials
- Event Production and Catering
- TV and Film Production
- Tow Truck Companies
- Food Services
- Waste Collection
- Technology Services



Hytera US Inc

8 Whatney, Irvine, CA 92618
1363 Shotgun Road, Sunrise, FL 33326
(954) 846-1011

www.hytera.us
info@hytera.us

Hytera Canada

100 Leek Crescent, Unit 11
Richmond Hill, ON L4B 3E6
(905) 305-7545

www.hytera.ca
info@hytera.ca



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