

APX™ FEATURE DESCRIPTION:

MISSION-CRITICAL GEOFENCE

SUMMARY

This feature allows you to relieve workload on first responders by automating certain critical tasks. The radio is programmed to perform specific actions whenever it enters or leaves a pre-defined geographical area.

ACTIONS AVAILABLE:

- Display message on screen
- Change talkgroup (trunked), channel (conventional), system
- Send status update to Dispatch
- Sound audible alert (including stored audio announcement)
- Mute site-selectable alert tones
- Display geofence name with red, amber or green highlight (front display only).
- Change transmitter power level

This is a radio-only feature. All parameters including boundary coordinates of all geofenced areas must be pre-programmed into the radio using CPS or Radio Management.

DEPENDENCIES

Requires GPS Activation. Radio software must be version R15.00.00 or later.

Integrated Voice & Data (IV&D) and Enhanced Data features are also recommended.

NOTE: This feature is not dependent on the system-based feature called "Enhanced Geo-Select".

COMPATIBILITY

APX 8000 APX 8000XE Optional	APX 7000 APX 7000XE Optional	APX 6000 APX 6000XE SRX2200 Optional	APX 4000 APX 4000XH Optional	APX 3000 Optional	APX 1000 Optional
APX 8500 Optional	APX 7500 Optional	APX 6500 Optional	APX 4500 Optional		APX 1500 Optional

ORDER NUMBERS

QA09012 (Portable radios), GA09012 (Mobile radios)



SAMPLE USE CASES

AUTOMATIC ROAMING

When your first responders move outside their home coverage area, they'll need to roam to a neighboring agency's radio system if they want to stay connected. However, remembering when to switch and which settings to use can be an unwelcome additional burden – especially in a high-pressure situation. But you can automate the task with the Mission-Critical Geofence feature. Radios can be pre-programmed to automatically roam to any of the neighboring systems or channels, based on location. Your responders are free to focus on the task, without worrying about their radio settings.

MUTUAL AID CHANNEL SWITCHING

When your personnel go to assist at a crisis in a neighboring county, they may not know the local radio settings. And being unable to communicate with the on-site team leads to chaos and frustration. But if your radios use Mission-Critical Geofence, they can be pre-programmed to switch to the appropriate analog mutual aid channel. And as a visual reminder, you can display the geofence on the radio's screen with a yellow highlight when it switches. Crisis coordination is simplified, and nobody needs to remember any special actions when responding.

LONG-TERM INCIDENT RESPONSE

Responding to a multi-day event such as a building collapse or terrorist incident, you'll need to make sure that everyone on-scene can communicate freely. Here's where Mission-Critical Geofence can help. You can pre-program all radios (using CPS or over-the-air using Radio Management), so that police, firefighters, EMS technicians and utility workers who are close to the incident are switched automatically to a dedicated

talkgroup. And as they move away to respond to other calls, they're returned to their original talkgroups. You can also program an automatic status update to notify the dispatcher as each responder enters or leaves the site. Everyone can collaborate on-scene, with minimal disruption to your wider operation.

INTERFERENCE MITIGATION

A crowded area like an airport or cargo terminal can suffer from troublesome radio interference, particularly when many teams are working in close proximity. Calls are missed and time is wasted. But you can mitigate this with Mission-Critical Geofence. By programming radios to reduce their transmitter power levels when they enter the central area, you'll reduce unwanted effects on other users. And because the radios switch back to full power in fringe areas, you'll still get excellent coverage. The efficiency of your system is improved, with no changes to your infrastructure investment. And as a bonus, your radio battery life will be improved.

EDGE OF JURISDICTIONAL AREA

When responding to an emergency or pursuing a suspect, it's too easy to stray outside your jurisdictional area without realizing it. But the Mission-Critical Geofence feature can help. By pre-programming your radios to sound an audible alert and display a reminder, you can give your first responders a clear indication that they have left the jurisdictional area. And with an automatic status update, the dispatcher will be notified too. Your officers are better-informed and can stay focused on their jobs.



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