

APX™ FEATURE QUICK GUIDE:

MISSION-CRITICAL GEO-SELECT

OVERVIEW

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

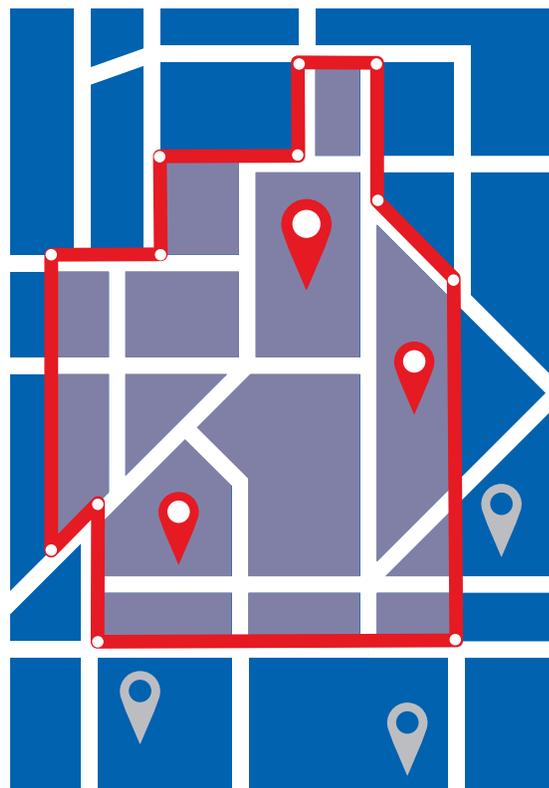
ACTIONS AVAILABLE:

- Display message on screen
- Change talkgroup (trunked), channel (conventional), system
- Report location – to send a GPS update to Dispatch
- Status event update – to send a status update to Dispatch
- Sound audible alert (including stored audio announcement)
- Site-selectable alert tone
- Change screen backlight color to red, yellow or green (top display only)
- Change transmitter power level

This is a radio-only feature. All parameters including boundary coordinates of all geo-fenced areas must be pre-programmed into the radio.

DEPENDENCIES

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



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 900 Optional |
| APX 8500 Optional | APX 7500 Optional | APX 6500 Optional | APX 4500 Optional | | APX 1500 Optional | |



SAMPLE USE CASES

AUTOMATIC ROAMING

When your rail safety agents move outside their home coverage area, they'll need to roam to a neighboring agency's radio system 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 Geo-Select feature. Radios can be programmed to automatically roam to any of the neighboring systems or channels, based on location. Your officers are free to focus on the task, without worrying about their radio settings.

MUTUAL AID CHANNEL SWITCHING

When personnel go to respond to an incident across a state or province boundary, they may not know the local radio settings. Being unable to communicate with the on-site team leads to chaos and frustration. But if your radios use Mission-Critical Geo-Select, they can be pre-programmed to switch to the appropriate analog mutual aid channel. And as a visual reminder, you can change the radio's screen backlight to yellow when it switches. Crisis coordination is simplified, and nobody needs to remember any special actions when responding.

INTERFERENCE MITIGATION

Some congested areas can suffer from troublesome radio interference, particularly when many teams are working in close proximity. Calls are missed and time is wasted. You can mitigate this with Mission-Critical Geo-Select by programming radios to reduce transmitter power levels when entering the central area. Reducing unwanted effects on other users, and switching the radios to full power in fringe areas, allows excellent coverage to be achieved. The efficiency of your system is improved, with no changes to your infrastructure investment. As a bonus, your radio battery life will be improved.

LOCATION NOTIFICATIONS

When responding to an emergency, it's too easy to stray outside your jurisdictional area without realizing it. The Mission-Critical Geo-Select feature can help by programming your radios to sound an audible alert and change the display backlight to red as soon as they cross the boundary. Your officers are better-informed and can improve community safety and rail efficiency. In addition when your officers enter a hazardous environment, or an area where additional precautions or gear may be required, your radio has the ability to provide an automatic notification based on location.



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