APX NEXT™

APX NEXT™ Release Notes R2020.5

JANUARY 2021

MN007233A04

Radio Release Notes – Subscriber APX NEXT R02.90.00 – January 2021

APX NEXT Platforms:
APX NEXT R2.0

New Version: Devices – R02.90.00
Old Version: Devices – R02.60.00

New Products:

XVE500 RSM
System Platforms Affected: Replacement of the XE500 RSM
Special Configurations: Supported on APX NEXT XE and APX 8000XE
Description: XE version of the XV RSM with equivalent audio performance as the XV and with equivalent/improved extreme environment robustness, heat/temperature performance, and extreme requirements as the XE500 RSM.

APX NEXT International Model
System Platforms Affected: Conventional System, 3600/9600 Trunking system
Special Configurations: APX NEXT model - H55TGT9RW8AN
Description: Extends the APX NEXT radio offering to include International LTE bands LTE SKU: 1,2,3,4,5,7,8,20,26,28(A/B) and 3G UMTS bands: B1, B2, B4, B5 and B8. Added support for 2 new antennas UHF antennas UHF1 & UHF2 stubby antennas. Added support for application services such as SmartProgramming, SmartConnect, SmartLocate, SmartMapping and SmartMessaging and the Device Managed Services with accidental damage and Radio Central.

New Features:

Increase in RCL Size
System Platforms Affected: All
Special Configurations: N/A
Description:
Increase in RCL:
- Increased number of recent calls to be logged in APX radios from 16 to 50.
- Added 'seconds' in RCL and Instant Recall timestamp.
- Provided a new UI to view only Emergency Calls in APX, and to view different call types in APX Next.

SmartConnect Multi-System Scan
System Platforms Affected: All
Special Configurations: System, radios and service that support SmartConnect
Description: Perform Multi-system Scan (scan other Conventional and LMR systems) while radio is connected to SmartConnect virtual site.

SmartMapping 2020.4 Evolution
System Platforms Affected: All
Special Configurations: APX NEXT. Location reported to location services through SmartLocate or IMW (APX). Customer configuration in CCAdmin.
Description: The SmartMapping solution is intended to enhance first responder situational awareness and provide enhanced coordination capabilities. This is accomplished by providing a mapping application that is accessible on a smart radio.
Changes in 2020.4
● Shows users logged onto other devices
● Search for users by username, first and last names
● Fire iconography

SmartMessaging Native App
System Platforms Affected: Broadband Enabled APX NEXT portable
Special Configurations: APX NEXT
Description: This transition improves user experience and user flow.

APX NEXT RSM Firmware Update Capability
System Platforms Affected: All
Special Configurations: Radio firmware updated to 2020.5
Description: Update the firmware of XV RMS when it's attached to an APX NEXT radio. RSM Firmware updates can be deployed to XV RMS's that are in use in the field, without the need to send the RSM to a Motorola depot.

ViQi Virtual Partner Location Intents & Hot Hit Update
System Platforms Affected: All
Special Configurations: APX NEXT
Description: Users who have a ViQi Virtual Partner Subscription and their device location in the cloud (via SmartLocate or IMW Cloud Connector) can ask ViQi for their location or the location of other units.
Additionally, events will be sent to CC Aware when a query is run and results in a hot hit.

APX NEXT-Evacuation-Personnel Accountability (Parity with APX)
System Platforms Affected: All
Special Configurations: APX NEXT Only and APAA v5.0.5168.0
Description: This is a parity feature to enable Personnel Accountability feature on APX Next.

APX NEXT - Digital Tone Signaling - QCII Page over P25 (Parity with APX)
System Platforms Affected: Conventional Astro and Trunking P25 System
Special Configurations: APX NEXT
Description: Radio user can selectively alert first responders to an incident by broadcasting a series of distinct, recognizable tones followed by a voice transmission from dispatch. This allows an entire fire department to be simultaneously alerted to an emergency situation. Following the alert, the dispatcher can transmit their dispatch audio to the radio group.

APX Next In-Call User Alert (ICUA) (Parity with APX)
System Platforms Affected: Conventional System, 3600/9600 Trunking system
Special Configurations: APX NEXT
Description: This feature allows APX NEXT radio users to mute all dispatch/talkgroup calls and the radio will only unmute to individual radio-to-radio calls such as selective/private call and call alert.

APX NEXT Emergency Beacon (Parity with APX)
System Platforms Affected: RadioWide, Conventional System, 3600/9600 Trunking system
Special Configurations: APX NEXT
Description: This is a parity feature to enable Emergency Beacon on APX Next

APX NEXT Evacuation Tone (Parity with APX)
System Platforms Affected: All
Special Configurations: APX NEXT
Description: This feature enables the user to send/receive an evacuation tone (sound only) to all radios on the same channel.

APX NEXT International- Support 802.11(d) (Parity with APX)
System Platforms Affected: All
Special Configurations: APX NEXT INTERNATIONAL Only
Description: Users who reside outside of North America can fully utilize WiFi in accordance to their country's WiFi regulatory rules. This feature enables 802.11(d) to allow the WiFi AP to dictate the country of operation. Based on the WiFi regulatory rules for a specific country, WiFi 2.4GHz channels 12 & 13 may be enabled.

APX NEXT International- RadioCentral SmartProgramming for Australia
System Platforms Affected: All
Special Configurations: APX NEXT
Description: This feature provides Radio Central programming in Australia the Australia Central cloud in order to meet data sovereignty requirements.

APX NEXT International- Voice Control (Australian English)
System Platforms Affected: All
Special Configurations: APX NEXT
Description: Interaction with the device through voice input will increase efficiency of the users, while at the same time enhancing their situational awareness (potentially enhancing user safety), as radio operations can happen with "eyes up".

Accessing radio functionality while keeping eyes on the task in front of you, are in most situations impossible. Identifying the right Channel and Zone, browsing through a list (outside of your frequently used channels) is seen as cumbersome and time consuming. Supported languages: English (US), French Canadian, English (Australian)

APX NEXT International - Support Private APNs
System Platforms Affected: All
Special Configurations: APX NEXT
Description: Supports user configuration of APN information on an unlocked (SIM) device. APN settings are entered through the Settings menu of the radio. APN configuration fields: Name(Friendly), APN, Proxy, port, Username, Password, Server, MMSC, MMS Proxy, MMS Port, MCC, MNC, Authentication Type, APN type, APN Protocol, APN roaming protocol, Bearer, MVNO Type, MVNO Value.

APX NEXT International - SmartConnect Support - Australia
System Platforms Affected: All
Special Configurations: APX NEXT
Description: Allows automatic switching of P25 trunked voice and signaling operation to a broadband network during loss of LMR coverage.

Allows customers to operate radios in areas that lack LMR coverage, extends coverage using broadband when LMR coverage is lost.

APX NEXT International - SmartLocate Support - Australia
System Platforms Affected: All
Special Configurations: APX NEXT
Description: APX Next will be able to send device location over broadband.
The device is capable of sending location while operating on any system type (Conventional, Trunking, Talkaround etc.).
No on-prem ASTRO infrastructure needs to be added or modified (Current location over LMR deployments are 3-6 months).