APX ™ Portable Subscriber
Two-Way Radio

APX N70 Release Notes SR2023.1

MAY 2023

MN009853A03

Appendix A

2023.1 Radio Release Notes – Baseline Release Subscriber APX N70 R01.41.00 – April 2023

This release baseline is orderable for one year and is intended for customers purchasing new products without requiring new feature content.

APX N70 Platforms:

APX N70 R1.0

New APX Firmware Version: R01.41.00

Previous APX Firmware Version: R01.22.00

A.1
New/Replacement Products

N/A

A.2
New Features

<u>Abstract:</u> SmartConnect Device on Foreign P25 System Support.

<u>System Platforms Affected:</u> APX N70 customers using non-MSI infrastructure that would like to use SmartConnect for backup PTT.

<u>Special Configurations:</u> SmartConnect capable radios (LTE/Wi-Fi: APX N70), SmartConnect GW configuration and provisioning application to configure the foreign system on the SmartConnect GW, also support to allow the foreign radio to establish TLS connection and forward all the calls related to the radio. Access to MSI Zone Core via ISSI. CommandCentral Admin 2.0.

<u>Description:</u> Enable the Subscribers to establish SmartConnect with the Foreign Gateway when the LMR radio roamed to foreign system via ISSI.

<u>Abstract:</u> SmartConnect Device on Foreign P25 System with Emergency Cancel Support.

<u>System Platforms Affected:</u> APX customers using non-MSI infrastructure that would like to use SmartConnect for backup PTT.

<u>Special Configurations:</u> SmartConnect capable radios (LTE/ Wi-Fi: APX N70), SmartConnect GW support to allow the foreign radio to establish TLS connection and forward all the calls related to the radio under test. Access to ASTRO Zone Controller via ISSI (A2022.1 and A2021.1).

<u>Description:</u> This feature allows the ISSI enabled LMR radio to support the Harris style Foreign emergency cancel while operating with foreign Gateway.

<u>Abstract:</u> Remote Activation of Emergency.

<u>System Platforms Affected:</u> ALL

<u>Special Configurations:</u> Emergency Profile Configuration needs to select the Encode and Decode option. The feature is supported on P25 Conventional and P25 Trunking. Not available on Conventional MDC, Conventional QCII, Trunking Type I or II.

<u>Description:</u> Provide a way for any APX radio to remotely activate Emergency on a target radio in both APCO Conventional and/or APCO Trunking.

<u>Abstract:</u> PSU on DVR Busy Channel Lockout.

<u>System Platforms Affected:</u> ALL

<u>Special Configurations</u> Customer who uses a radio as DVRS PSU.

<u>Description:</u> Allows a DVRS PSU to politely transmit a Voice Request. When the feature is enabled, the DVRS PSU will only transmit a Voice Request in response to a PTT while the channel is idle. If there is audio activity on the channel, then DVRS PSU will either wait until the channel becomes idle. If the Voice Request retry timer expires before the channel becomes idle, then the PTT is aborted without any transmission attempts.

Abstract: Acoustic Feedback Suppressor for APX N70 and RSMs.

System Platforms Affected: ALL

Special Configurations: Supported on APX N70. Supported RSMs: XVP 730/750, RM 760/780.

Description: Acoustic feedback is generated when a receiver loudspeaker is acoustically coupled to a transmitter microphone, causing a regenerative signal loop to be created that generates an extremely annoying sound (howling effect). This forces the end user with the receiver to either distance from the transmit radio, lower the volume, or cover the speaker in attempts at eliminating the feedback effect. This feature detects this howling and suppresses it.

Abstract: Radio Notification enhancements and SmartConnect UX Update.

System Platforms Affected: ALL

Special Configurations: N/A

Description: Provide feedback to user when:

1 Radio is not usable (searching for control channel) - "Searching Site".

2 Radio is connecting to gateway - "Searching Site".

3 Trunking radio busy receiving voice - Yellow LED.

Also, improved mobility operations:

1 Shorter imbalanced coverage holdoff time (30 seconds vs 1–4 minutes).

2 Removing Individual FRHOT.

3 Holdoff Ranking Change on Low RAW RSSI Value.

Abstract: SmartMessaging Evolution for 2023.1.

System Platforms Affected: APX N70

Special Configurations: Require Kodiak CCF and Kodiak Server. Configuration on RadioCentral only for Enablement and Canned Messages.

Description: The enhancements of SmartMessaging on this release are:

1 PDF viewer.

2 Smartmapping interactions.

3 Widget update to show sync in progress.

4 Warning while backing out of a quick message.

5 Multimedia UI enhancement.