

## TECHNICAL SERVICES MEMO

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<b>Product Code(s):</b>	XL	<b>System:</b>	P25 Conventional
<b>Part/Model #:</b>	XL Mobiles and Portables		
<b>Maintenance Document:</b>	N/A		
<b>TR#:</b>	N/A	<b>Release Type:</b>	FULL

**Category:** Mobiles and Portables**Subject:** Programming XL Series Radios with Motorola SECURENET channels.**Summary:** SECURENET is the Motorola Pseudo Digitized encrypted analog voice feature that L3Harris calls "DES-CFB". XL Series Radios must be featured for DES-CFB with Option# "PL4D" or the "YRXL-PL4D" aftermarket upgrade.**Action:** **NOTES:**

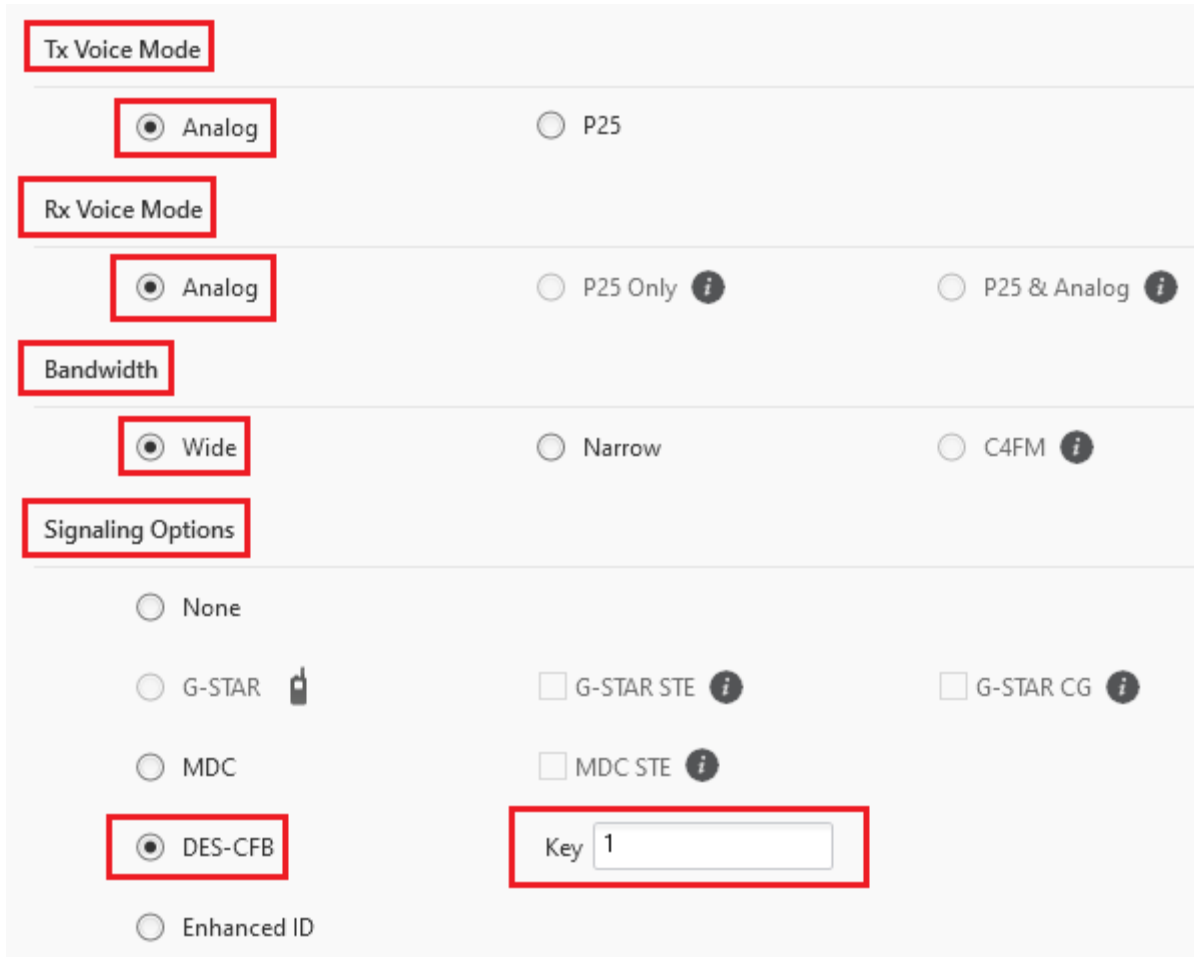
- A. To use DES-CFB with Single Key DES (SKD), turn the SKD Feature Bit ON and turn the Multi-Key DES Feature Bit OFF. **NOTE:** The Single Key DES key is generated within RPM2.
- B. To use DES-CFB with Multi-Key DES (MKD), turn the MKD Feature Bit ON and turn the Single Key DES Feature Bit OFF. The Multi-Key DES key comes from a Harris Key Loader (HKL) or a Motorola KVL.

Follow these steps to set up DES-CFB in an XL-Series radio personality file.

See **FIGURE 1** on Page 2 for an RPM2 setup template.

1. Set up a P25C Freq Set with the channels that requires DES-CFB.
2. DES-CFB channels must be set to ANALOG mode (for RX/TX), the Bandwidth to "WIDE", and the "DES-CFB" parameter ENABLED (under 'Signaling' options) – The radio will allow this and not throw up an error.
3. Set to Key Number next to the DES-CFB parameter.
4. If using Single Key DES, set up that one DES key in the Digital Voice Options screen (and make sure the "Key Number" matches the "KEY" listed on the analog conventional channel running DES-CFB)

## RPM2 DES-CFB Setup Template



**Tx Voice Mode**

☒ Analog ☐ P25

**Rx Voice Mode**


☒ Analog ☐ P25 Only *i* ☐ P25 & Analog *i*

**Bandwidth**

☒ Wide ☐ Narrow ☐ C4FM *i*

**Signaling Options**

☐ None

☐ G-STAR  ☐ G-STAR STE *i* ☐ G-STAR CG *i*

☐ MDC ☐ MDC STE *i*

☒ DES-CFB

☐ Enhanced ID

**FIGURE 1**

If you have additional questions regarding this Technical Services Memo, please contact the L3Harris Technical Assistance Center toll free at 1 (800) 528-7711 (Option 3) or email us at [PSPC\\_TAC@L3Harris.com](mailto:PSPC_TAC@L3Harris.com).