

## SCICNet Radio Requirements

| County                                                                                                 | SCIC Base Features                                                                                                             | Features Required                                                                                                                                                                                                  | Optional Features                                                                                                                                         | Approved Radios                                                                                                        | Notes                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dauphin                                                                                                | P25 PHASE 2 TDMA<br>OTAP<br>OTAR / AES - LE & EMS<br>P25 Radio Authentication<br>HW ASK System Key<br>Radio Management License | UHF R2 FDMA<br>OTAP<br>AES & OTAR w/ Multi-key (PD/EMS-Req, Fire-Optional)<br>Radio Management License<br><b>TDMA (2025)</b><br><b>ASK System Key (2025?)</b>                                                      | TDMA<br>Group Services<br>Enhanced Data (interop w/ Cumberland)<br>WiFi<br>Smart Connect (Portables)<br>Multi-System OTAR                                 | APX900<br>APX6000 (& XE)<br>APX8000 (& XE)<br>APXNext (& XE)<br>APX4500<br>APX6500<br>APX8500<br>N50<br>N70            | APX4000 - canceled<br>Group services, Enhanced data & Location on PTT will require core user licenses<br>Smart Connect is an annual subscription<br>APX900 & APX4500 - not compatible with OTAR |
| Franklin                                                                                               | P25 PHASE 2 TDMA<br>OTAP<br>OTAR / AES - LE & EMS<br>P25 Radio Authentication<br>HW ASK System Key<br>Radio Management License | UHF R2 FDMA<br>OTAP<br>AES (PD/EMS-Req, Fire-Optional)<br><b>TDMA (2024)</b><br><b>Radio Management License (2025)</b>                                                                                             | TDMA<br>Group Services<br>Enhanced Data (interop w/ Cumberland)<br>WiFi<br>Smart Connect (Portables)<br>OTAR w/ Multi-key (optional)<br>Multi-System OTAR | APX900 ?<br>APX6000 (& XE)<br>APX8000 (& XE)<br>APXNext (& XE) ?<br>APX4500<br>APX6500<br>APX8500                      | APX4000 - canceled<br>Group services, Enhanced data & Location on PTT will require core user licenses<br>Smart Connect is an annual subscription<br>APX900 & APX4500 - not compatible with OTAR |
| Adams                                                                                                  | P25 PHASE 2 TDMA<br>OTAP<br>OTAR / AES - LE & EMS<br>P25 Radio Authentication<br>HW ASK System Key<br>Radio Management License | 800 mhz TDMA<br>OTAP<br>AES & OTAR w/ Multi-key (PD/EMS-Req, Fire-Optional)<br>Mobile GPS required for PD<br><b>P25 Radio Authentication (2025)</b><br><b>Radio Management License (2025)</b>                      | Group Services<br>Enhanced Data (interop w/ Cumberland)<br>WiFi<br>Smart Connect (Portables)<br>Multi-System OTAR                                         | APX900 ?<br>APX6000 (& XE)<br>APX8000 (& XE)<br>APXNext (& XE)<br>APX4500<br>APX6500<br>APX8500                        | APX4000 - canceled<br>Group services, Enhanced data & Location on PTT will require core user licenses<br>Smart Connect is an annual subscription<br>APX900 & APX4500 - not compatible with OTAR |
| Cumberland<br>(Motorola)                                                                               | P25 PHASE 2 TDMA<br>OTAP<br>OTAR / AES - LE & EMS<br>P25 Radio Authentication<br>HW ASK System Key<br>Radio Management License | 800 mhz TDMA<br>OTAP<br>AES & OTAR w/ Multi-key (PD/EMS)<br>Enhanced Data<br>Group Services<br>WiFi<br>HW ASK System Key<br>P25 Radio Authentication<br>Mobile GPS Antenna<br>Radio Management License             | Multi-system OTAR<br>AES & OTAR w/ Multi-key (Fire-Optional)<br>Smart Connect<br>LTE Smart Applications                                                   | APX900<br>APX N-70<br>APX N-50<br>APX N-30<br>APX6000 (& XE)<br>APX8000 (& XE)<br>APXNext (& XE)<br>APX6500<br>APX8500 | APX900 & APX4500 - not compatible with OTAR                                                                                                                                                     |
| Cumberland<br>(L3Harris)                                                                               | P25 PHASE 2 TDMA<br>OTAP<br>OTAR / AES - LE & EMS<br>P25 Radio Authentication                                                  | P25 PHASE 2 TDMA - 700/800 MHz<br>P25C FALLBACK/MS FAILSOFT<br>PROFILE OTAP (OVER-AIR-PRGM)<br>P25 OTAR (OVER-AIR-REKEYING)<br>MULTIKEY 256-AES ENCRYPTION (LE & EMS)<br>LINK LAYER AUTHENTICATION<br>P25 TRUNKING | MULTI-SYSTEM OTAR<br>MULTIKEY 256-AES ENCRYPTION (Fire-Optional)                                                                                          | XG-75M (M7300, M7200)<br>XG-75P<br>XL-100M<br>XL-95P<br>XL-185P / M<br>XL-200P / M<br>XL-400P                          |                                                                                                                                                                                                 |
| RADIO FEATURES AND FLASH UPGRADE COSTS (SW ONLY) ADDITIONAL COSTS WILL APPLY IF PROGRAMMING IS NEEDED. |                                                                                                                                |                                                                                                                                                                                                                    |                                                                                                                                                           |                                                                                                                        |                                                                                                                                                                                                 |