



Policy 21-03

March 11, 2021

Cancels:  
ECC Policy #20-03

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## Subscriber Radio Features Policy

### I. PURPOSE

This document sets forth the policies governing the Subscriber Radio Features and provides the standards and operating parameters on the St. Louis Area Trunked Emergency Radio (SLATER) system as provided by the St Louis County Emergency Communications Commission (ECC).

### II. GENERAL

Agencies should strive to have all of their radios bear the same model numbers and features. Managing a fleet of radios with different model type, features and codeplugs can create a training issue and may cause situations in which a radio does not function as expected creating a possible safety issue for the user.

### III. POLICY

The ECC will only allow programming of ECC codeplugs into ECC approved radios listed below, created for that discipline and agency subscriber radios. In order to set a standard for radios, features and options to operate on the St. Louis County 800MHz P25 radio system that is managed by the ECC the radios and minimum standards listed below must be adhered to when purchasing a radio that will require access to the system.

- A. Mandatory features for all subscriber radios:
1. 4F2 is set as the Owner System ID
    - a. This is required for St. Louis County subscriber radios that use the SLATER Radio System as its home system, and/or radios owned by outside agencies that only utilize the SLATER Radio System, and whom do not have their own home radio system.
  2. ADP Encryption
  3. Multi-system capability
  4. Advanced System Key Enhanced Operation (ASK) Hardware Key
- B. APX7000XE or Motorola current equivalent Dual Band Model 1.5/3.5 Portable Fire/EMS radios must be purchased with mandatory options:
1. QA01648: Advanced System Key Enhanced Operation (ASK)
  2. H38 or G51: SmartZone Systems Operation
  3. Q806 or G806: ASTRO IMBE Digital Operation
  4. Q947 or W947: APCO Packet Data Interface
  5. Q173 or G173: SmartZone OmniLink MultiZone Operation
  6. Q361 or G361: ASTRO 25 9600 Baud Trunking
  7. GA00308 VHF Secondary Band
  8. QA00569 or GA00244: Primary Band: 700/800
  9. G996: Over the Air Provisioning
  10. QA00782 or GA00229: Enable GPS Operation
  11. QA00631 DVRS PSU Activation
  12. NNTN8092 UL/CSA IP67 MIMH Impress Battery
  13. QA00577AA Large Color Display (3.5 Models)
  14. NAR6594 VHF/700/800 GPS Antenna
  15. Q629 AES Encryption
  16. H869 Multikey
- C. APX6000 or Motorola current equivalent Model 2.0 Law Enforcement radios must be purchased with mandatory options:
1. QA01648: Advanced System Key Enhanced Operation (ASK)
  2. H38 or G51: SmartZone Systems Operation
  3. Q806 or G806: ASTRO IMBE Digital Operation
  4. Q947 or W947: APCO Packet Data Interface
  5. QA00782 or GA00229: Enable GPS Operation
  6. G996: Over the Air Provisioning
  7. NNTN7038 IP67 NIMH Impress Battery
  8. Q173 or G173: SmartZone OmniLink MultiZone Operation
  9. Q361 or G361: ASTRO 25 9600 Baud Trunking

10. QA00569 or GA00244: Primary Band: 700/800
11. NAF5085 700/800 GPS MHz Whip Antenna
12. Q629 AES Encryption
13. H869 Multikey

D. APX4000 or Motorola current equivalent Model 2.5 Local Government radios must be purchased with these mandatory options:

1. QA01648: Advanced System Key Enhanced Operation (ASK)
2. H38 or G51: SmartZone Systems Operation
3. Q806 or G806: ASTRO IMBE Digital Operation
4. Q947 or W947: APCO Packet Data Interface
5. QA00782 or GA00229: Enable GPS Operation
6. G996: Over the Air Provisioning
7. NNTN8128 IP67 NIMH Impress Battery
8. Q173 or G173: SmartZone OmniLink MultiZone Operation
9. Q361 or G361: ASTRO 25 9600 Baud Trunking
10. QA00569 or GA00244: Primary Band: 700/800
11. NAF5085 700/800 GPS MHz Whip Antenna

E. APX7500 or Motorola current equivalent Dual Band Remote Mount Mobile radio with 05 control head radios must be purchased for Fire and Law Enforcement vehicles with these mandatory options:

1. QA01648: Advanced System Key Enhanced Operation (ASK)
2. H38 or G51: SmartZone Systems Operation
3. Q806 or G806: ASTRO IMBE Digital Operation
4. Q947 or W947: APCO Packet Data Interface
5. QA00782 or GA00229: Enable GPS Operation
6. G996: Over the Air Provisioning
7. Q173 or G173: SmartZone OmniLink MultiZone Operation
8. Q361 or G361: ASTRO 25 9600 Baud Trunking
9. GA00308 VHF Secondary Band
10. QA00569 or GA00244: Primary Band: 700/800
11. Q629 AES Encryption
12. H869 Multikey

F. APX4500 or Motorola current equivalent Dash Mount radios must be purchased for Local Government users for mobile vehicle and fixed site control station with these mandatory options:

1. QA01648: Advanced System Key Enhanced Operation (ASK)
2. H38 or G51: SmartZone Systems Operation

3. Q806 or G806: ASTRO IMBE Digital Operation
4. Q947 or W947: APCO Packet Data Interface
5. QA00782 or GA00229: Enable GPS Operation
6. G996: Over the Air Provisioning
7. Q173 or G173: SmartZone OmniLink MultiZone Operation
8. Q361 or G361: ASTRO 25 9600 Baud Trunking
9. QA00569 or GA00244: Primary Band: 700/800

G. APX7500 or Motorola current equivalent Dual Band Console/Control Station with 05 control head radios must be purchased to be used for Fixed Radio Site with these mandatory options:

1. QA01648: Advanced System Key Enhanced Operation (ASK)
2. H38 or G51: SmartZone Systems Operation
3. Q806 or G806: ASTRO IMBE Digital Operation
4. Q947 or W947: APCO Packet Data Interface
5. QA00782 or GA00229: Enable GPS Operation
6. G996: Over the Air Provisioning
7. Q173 or G173: SmartZone OmniLink MultiZone Operation
8. Q361 or G361: ASTRO 25 9600 Baud Trunking
9. GA00308 VHF Secondary Band
10. QA00569 or GA00244: Primary Band: 700/800
11. Q629 AES Encryption
12. H869 Multikey

IV. MEMORANDUM of UNDERSTANDING

This policy is covered under the MOU signed previously by each public safety user and outside agency user on the SLATER system.

Approved by the Emergency Communications Commission on 3/11/2021

  
 Director,  
 Emergency Communications Network

  
 Chairman,  
 Emergency Communications Commission