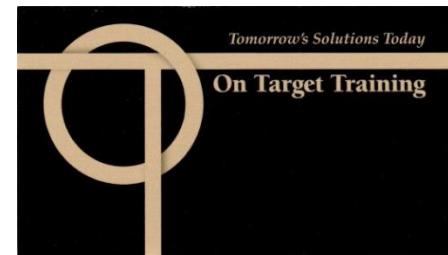


On Target Training: Motorola APX Radio Programming – Refresher Class

Time required: 16 hours (2 days)

Course Description: *"The 2 day Motorola APX Radio Programming Refresher Course is intended for students who have previously attended the full 3-day CPS class. This class will revisit technical topics and provide greater detail of the features when programming Motorola APX mobile and portable radio equipment. A combination of classroom instruction and practical exercises will be utilized to accomplish course objectives."*



A. APX Portables

1. Models and types
2. Specifications
3. Software Features
4. Ergonomics – Button and Switch layout
5. Bluetooth Features
 - i. Bluetooth mics
 - ii. Bluetooth earpieces
6. SCBA Integration
7. IP Ratings for devices

B. APX Mobiles

1. Models and types
2. Specifications
3. Features
4. Ergonomics – Button and Switch layout
5. Bluetooth Features
6. Consoles/Control Station use

C. Hazardous Location (HazLoc)

1. FM vs. UL
2. Device marking changes
3. Class/Division/Groups
4. UL Battery software detection

D. Trunking 101

E. Vcoders

F. Registration / Affiliation

G. Channel Assignment

H. Talkgroups / Multigroups / Agencygroups

I. Roaming

1. RSSI

J. Site Preferencing**K. Continuous Assignment Updating****L. ASTRO/Smartzone/Omnilink**

1. IV&D Features
2. Location Services
3. Simulcast / Multicast
4. Operational / Failure modes

M. Fleetmapping Overview

1. Priority Levels
2. Emergency Modes
3. Trunked Systems / Personalities
4. Conventional channels
5. Statewide / National frequencies
6. Zone / Channel assignment

N. Encryption

1. Algorithms
2. Standards
3. Key loading
4. KVL3000 / 4000 / 5000

O. Radio Profiles

1. Noise Suppression

P. Radio Software Update**Q. Radio Programming Labs**

1. Software / Hardware Requirements
2. Code Plug build from factory default
3. Zone Channel Assignment
4. Voice Announcement Creation and Assignment
5. Unified Call Lists
6. Cloning

R. Scanning

1. Modes
2. Priority Monitor
3. Requested Sites

S. Basic Troubleshooting