CM-300 RADIO TRAINING CONTENT OUTLINE

The following topics are presented in both the VHF and UHF radio training courses.

Introduction
- Course objectives
- Air Traffic Control radio equipment description
- CM-300 series radios
- Purpose and functions
- Performance characteristics

Description
- Radio capabilities and specifications
- Power requirements
- Environmental operation and storage
- Options
- Specifications
- Front and rear panel description
- Controls, indicators, and connectors
- Materials supplied
- Materials not supplied
- Configuration mode: Transceiver, Stand-alone, and Stand-by.
- Fixed tuning vs. remote tuning
- Primary power
- Connectors and signals

Installation
- Preparation for installation
- Site survey
- Power requirements
- Environmental considerations
- Installation procedures
- Rack installation
- Co-location considerations
- Initial setup
- Tuning the cavity filter
- Setup and configuration using the Maintenance Data Terminal
Operation

• Controls, indicators, and connectors
• Front panel configuration
• Remote access and control
• Start-up and operation
• Operating parameters
• Tuning
• Adjust volume
• Adjust squelch
• Monitor front panel LEDs
• Remote control and operation

Limited Maintenance

• Maintenance concept
• Principles of operation block diagram
• Periodic performance checks and services
• Troubleshooting procedures
• Test procedures
• Repair procedures
• Software install/upgrade.
• Customer support