

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