

CM-300/350 (V2) Transmitter and Receiver Radio Training Syllabus

The following topics are presented during CM-300/350 (V2) radio training courses.

Introduction

- Course objectives
- Description of equipment
- Performance characteristics
- Radio features

Specifications

- (V1) and (V2) Comparison
- Transmitter Front and Rear Controls and Connectors
- Receiver Front and Rear Controls and Connectors

Operation

- Transmitter front panel interface operation
- Transmitter failure and alert conditions
- Transmitter operating parameters
- Transmitter 8.33 kHz tuning
- Transmitter operational setup
 - Setting tunable frequency limits
 - Setting frequency and offset
 - Cavity filter tuning
- Transmitter performance checks
 - Power level check
 - TX distortion
 - Modulation verification
- Receiver front panel interface operation
- Receiver failure and alert conditions
- Receiver operating parameters
- Receiver 8.33 kHz tuning
- Receiver operational setup
 - Squelch threshold
 - Receiver Cavity Filter Tuning
- Receiver performance checks
 - RX sensitivity
 - RX distortion
- SNMP and VOIP overview

Installation

- Transmitter installation overview
- Receiver installation overview

MDT Software

- Installation
- Connecting to radio
- Using MDT software
- Updating radio software through MDT

Maintenance

- Periodic maintenance
- Cleaning
- Corrective maintenance
- Transmitter and receiver breakout cables
- Radio repair process
- Warranty
- Technical support

Remote Control Unit (As needed/ requested)

- Equipment description
- Front panel interface
- Controls, indicators and connectors
- Connector pinouts
- Operation
- System compatibility, integration and installation