

MX/MDX Installation and Commissioning

COURSE TOPICS

Safety

- RF and Microwave safety
- Electrical hazards
- Laser and Fiber optic cable hazards
- Weather considerations
- ESD protection

Understanding Engineering Documentation

- Equipment List
- Block Diagrams
- Wiring List
- Rack Elevation
- Radio Data Sheet
- Survey Report
- PCN
- SAT Form

Antenna

- Antenna types
- Polarization
- Alignment

All indoor radios

- Feeder/waveguide installation
- Pressurization
- Testing

Split mount radios

- Outdoor unit installation
- Coax cable installation

Grounding

- Site grounding
- Equipment grounding
- Rack grounding
- Cable grounding
- Ground termination
- Testing ground connections

Overview:

The Proteus MX / XD Installation and Commissioning course is an instructor lead theory and hands on training class. Along with best practice installation standards the students will work on a Proteus radio link on equipment configuration and commissioning. This course is conducted by certified Microwave Network instructor with extensive practical field experience.

Objective:

Upon completion of the course the student will be proficient with installation standards and commissioning a Proteus series microwave radio and work with the Element Manager to configure, provision and troubleshoot the radio.

Prerequisites:

Student needs to have successfully completed the following courses along with good understanding of radio communications and data networking.

- Fundamental of Microwave Radio
- Proteus MX / MXD Operation and Maintenance

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Cable Management

- Guidelines for cable management
- Cable installation

Commissioning

- Commissioning procedure
- Recommended commissioning test

* Note – Course material subject to change.