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## Installation Best Practices

### Installations Procedures for Digital Microwave links

TRN-WW-IBP-01-01E

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#### Course Specifics

Duration:	Self-paced e-learning (~3 hours)
Delivery format:	E-learning-Flash content
Pricing :	US \$250.00
Materials provided:	Student Handbook (e-Book)



Online Training

#### Course Description

The Installation Best practices course provides an introduction to fundamental topics for microwave installation.

Completing a short assessment at the end of the course will provide students with credentials necessary towards the Aviat Network certification level. (ACI)

#### Target Audience

The Course is intended for installation and service personnel requiring a working knowledge of installation practices and procedures.

#### Prerequisites

- Participants should have a working familiarity of point-to-point microwave radio networks or RF systems, telecommunications fundamentals and basic computer skills
- PC with internet access, Internet browser software, AviatCare LMS Access

#### Objectives

Upon successfully completing this course, participants will be able to:

- Understand the different network elements which are incorporated in a microwave telecommunications system.

#### Course Outline

##### Safety

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

##### Split mount radios

- Outdoor unit installation\
- Coax cable installation

##### Lightning Protection

- Importance for lightning protection
- Aviat Networks requirements

# EDUCATION SERVICES



- Types of protection
- Installation of lightning protection

## **Indoor equipment installation**

- Power requirements
- Rack and cabinet installation
- Power requirements
- Circuit overloading and protection
- Indoor waveguide installation.

## **Planning**

- Pre installation planning
- NMS planning
- Golden site installation

## **Grounding**

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

## **Cable Management**

- Guidelines for cable management
- Cable installation

## **Pricing & Scheduling**

Please contact your Aviat local sales team for a quote or email [aviatcareeducate@aviatnet.com](mailto:aviatcareeducate@aviatnet.com) and request pricing for the following items:

- TRN-WW-IBP-01A