

## TECHNICAL TRAINING

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### WTM 3300 Installation, Operation and Maintenance TRN-WTM33-01

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#### Course Specifics

Duration:	2 days
Class capacity:	10 students
Location(s) for open enrollment:	San Antonio, TX, USA Hamilton, Scotland, UK Lagos, Nigeria
Materials provided:	Instruction and user Manuals (USB) Student Handbook (e-Book) Datasheets (USB)



#### Course Description

The Aviat Networks WTM 3300 is an all outdoor packet-millimeter wave radio that integrates the latest radio technology into a small and compact housing with low power consumption. It is designed to support Carrier Ethernet over the E-band air interface.

The **WTM3300 Installation, Operation and Maintenance course** teaches students key functions of the WTM3300 radio platform. The course includes an overview of all available modules and the chassis, initial setup, install and login, basic configuration with the CLI, system commissioning, configuration, diagnostics, maintenance and troubleshooting. Extensive hands-on labs (nearly 50% of the course duration) and case studies offer students with scenarios they will face in real deployments in their networks.

Courses are **conducted by AVIAT expert trainers** in a mentoring environment backed by their deep technology expertise and experience in implementation of microwave wireless and IP networks.

The WTM3300 Installation, Operation and Maintenance course is **conducted at Aviat Training locations or can be arranged at customer sites.**

#### Target Audience

This course is intended for installation and service personnel responsible for installation, configuration, test and maintenance procedures for the WTM3300 radio platform.

#### Objectives

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

- Installation and configuration of WTM3300 equipment
- Basic diagnostics, troubleshooting and preventive maintenance for WTM3300

# TECHNICAL TRAINING

## Prerequisites

1. Participants should have a basic understanding of Microwave and IP Fundamentals and have basic computer skills.
2. Each student must bring an IBM compatible laptop PC or an equivalent and have administrator rights on the PC.

The PC must have minimum parameters of:

- Pentium 4 or later w/ 1GB of RAM and 250 Mb of free hard drive space
- USB Port
- Ethernet 10Base-T LAN port with RJ-45 connector for local Ethernet connection
- 800x600 resolution, 256 color display (16-bit color)
- Microsoft Windows XP, Vista, or Windows 7
- TCP/IP installed and configured for LAN operation
- Web browser (Google Chrome recommended)

## Course Outline

### WTM 3300 System Overview

- Introduction to the WTM3300 platform
- System Architecture and configurations
- Options

### WTM 3300 ODR

- Connections
- Overview
- RSSI
- Antenna options

### Indoor POE Injector, cable and connector options

- Options
- Connections
- Overview

### Local Craft tool and management options

- Connection to the WTM 3300
- Navigating the craft tool
- Configuration of WTM 3300
- Management options
- CLI (Command Line Interface)

### Installation and Commissioning

- Installation work flow
- Configuration Procedure
- Commissioning procedure
- Acceptance testing
- Antenna options

### WTM3300 Troubleshooting and Maintenance

- Troubleshooting overview
- Using the craft tool for troubleshooting
- Troubleshooting techniques and Options
- Troubleshooting configuration problems
- SW upgrade procedure
- Troubleshooting Common Problems

## TECHNICAL TRAINING

### Required Equipment for Training Sessions at Customer Sites

#### RADIO

One equipment rack with 48VDC power supply (if using 48VDC PoE units).

At least 1 Traffic free hop – 2 radios talking to each other. (Path has been simulated with at least 60dB of attenuation, for troubleshooting training variable attenuators are preferred however not mandatory).

Radio links can be hired for duration of training course if required.

#### OTHER EQUIPMENT

Digital multimeter.

Ethernet tester (Applicable only for Ethernet configuration Training).

#### CLASSROOM SET UP

Sufficient in size to handle all participants, instructor, desks, chairs, classroom equipment. The room must have enough 110 AC (220) AC power and air conditioning to operate equipment, all students clients PC's and the server or radio as required.

##### **Classroom Equipment**

Marker board, SVGA or Overhead projector and screen.

##### **Desk and Chairs**

Desks or workstations with enough room for each student to write have open books, client PC and / or, keyboard and monitor.

##### **Internet Access**

Internet access through the server or through client PC.

### Pricing

Please contact your Aviat local sales team for a quote or email [aviatcareeducate@aviatnet.com](mailto:aviatcareeducate@aviatnet.com).