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## VR2/4/10 Installation, Operation, and Maintenance Course

### TRN-PASO-VR-ICM-A/B/C

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#### Course Specifics

|                     |                           |
|---------------------|---------------------------|
| Duration:           | 3 days                    |
| Class capacity:     | 10 students               |
| Materials provided: | Student handbook (e-Book) |



#### Course Description

The Aviat Networks Pasolink VR2/4/10 installation, operation, and maintenance course is recommended for design, field, and operations personnel, who design, deploy, configure, and operate IP networking equipment involving Layer 2. This three (3) day instructor-led course is focused on the configuration of Layer 2 features on the Pasolink platform.

The course content is enriched with hands-on labs (nearly 40-50% of the course duration) and case studies that offer students 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 the implementation of microwave networks.

The course is **conducted at Aviat training locations or can be arranged at customer sites.**

#### Target Audience

This course is intended for personnel who design, install, and/or maintain microwave networks with Pasolink VR10/2/4 microwave equipment.

#### Prerequisites

- Participants should know about basic IP networking and basic networking.
- Each student must have a laptop with administrative rights.

#### Objectives

Upon completing this course, participants will be able to:

- List the functions and features of the Pasolink VR2/4/10 radio platform.
- Describe the hardware and configurations of the Pasolink VR2/4/10 platform.
- Configure and commission the Pasolink VR2/4/10 platform.
- Perform maintenance and troubleshooting on the Pasolink VR2/4/10 platform.

## Course Outline

### **Pasolink VR2/4/10 Presentation**

- General Architecture
- Outdoor Unit Functions
- Outdoor Unit Parameters
- Outdoor Unit Connections
- Indoor Unit Functions/Connections
- Detailed Presentation of Main Board and Optional Interfaces
- TDM/IP Application Examples
- Ethernet & VLAN Features
- QoS

### **Pasolink VR2/4/10 Embedded Local Craft Terminal**

- Necessary Components
- Connection to the Equipment
- Explanation of Graphical User Interface
- Setting of Radio Parameters
- Setting of Baseband Parameters

### **Pasolink VR2/4/10 Installation**

- Mechanical Installation
- Network Parameters Set-Up
- Radio Parameters Set-Up
- Channel Separation and Modulation Modes
- Ethernet Set-Up
- VLAN
- Basic QoS Set-Up
- Synchronization Overview

### **Pasolink VR2/4/10 Maintenance**

- Modem Maintenance Control
- Loopback Control
- Protection Control
- Configuration Management
- Maintenance Labs

### **Pasolink VR2/4/10 Troubleshooting**

- Alarms
- Event Logs
- PMON/RMON Reports
- Replacing RF units
- Replacing Plug-in cards
- Troubleshooting Labs

## Required Equipment for Training Sessions at Customer Sites

RADIO

OTHER EQUIPMENT

CLASSROOM SET UP

Sufficient in size to handle all participants and the instructor, desks, chairs, and classroom equipment. The room must have enough AC power and air conditioning to operate equipment, all student's PC's, and the equipment as required.

### Classroom Equipment

Overhead projector and screen or equivalent

Whiteboard and markers

### 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 may be required for remote equipment access

## 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:

|                               |                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>TRN-PASO-VR-ICM-A</b>      | Pasolink VR2/4/10: Installation, Operation and Maintenance- ILT- 3 Days, Aviat Training Center - Open Enrollment -per Student |
| <b>TRN-PASO-VR-ICM-B</b>      | Pasolink VR2/4/10: Installation, Operation and Maintenance- ILT- 3 Days, Aviat Training Center- 10 Students Max               |
| <b>TRN-PASO-VR-ICM-C</b>      | Pasolink VR2/4/10: Installation, Operation and Maintenance- ILT- 3 Days, Customer Location- 10 Students Max                   |
| <b>TRN-PASO-VR-ICM-VILT-A</b> | Pasolink VR2/4/10: Installation, Operation and Maintenance- VILT- 3 Days- Open Enrollment- per Student                        |
| <b>TRN-PASO-VR-ICM-VILT-B</b> | Pasolink VR2/4/10: Installation, Operation and Maintenance- VILT- 3 Days- 10 Students Max                                     |