Aviat
NETWORKS

iPASO-VR10/1250/4/2 Installation, Operation and Maintenance Course
TRN- iPASO-VR10/1250/4/2-A/B/C

Course Specifics

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

Course Description

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 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 iPASO VR10/1250/2/4 microwave equipment.

Prerequisites

- Participants should have a knowledge of Electronics and Basic Networking.
- Each student must have a laptop with administrative rights.

Objectives

Upon successfully completing this course, participants will be able to:
- List the functions and features of the VR10/1250/4/2 Radio Platform
- Describe the hardware and configurations of the VR Platform
- Configure and commission the VR Platform
- Perform Maintenance and Troubleshooting on the VR Platform.

EDUCATION SERVICES

Course Outline

Basic Microwave Theory
- Point to Point Microwave Links
- All Indoor and Split Mount Systems
- Key Microwave Parameters
- Bandwidth, Modulation, and Capacity
- Adaptive Modulation Radio (AMR)

iPASO-VR 10/1250/4/2 MDP System Architecture
- System Overview
- MDP Slot rules
- MDP Plug-in Cards
- Web Browser GUI Interface
- Management Options
- Setup Lab

iPASO-VR10/1250/4/2 RF Options
- Modem Cards
- Outdoor Units (ODUs)
- Indoor RF Units
- Radio Protection
- Synchronous Ethernet Configuration
- AMR Configuration
- Radio Traffic Aggregation
- Cross-Polarization Interference Cancellation (XPIC)
- Radio Configuration Lab

iPASO-VR10/1250/4/2 Data Transport
- TDM Configuration
- Basic Ethernet Configuration
- VLAN Configuration
- QoS Configuration
- Ethernet Transport Configuration Labs

iPASO-VR10/1250/4/2 Maintenance
- Modem Maintenance Control
- Loopback Control
- Protection Control
- Configuration Management
- Maintenance Labs

iPASO-VR10/1250/4/2 Troubleshooting
- Alarms
- Event Logs
- PMON/RMON Reports
- Replacing RF units
- Replacing Plug-in cards
- Troubleshooting Labs

EDUCATION SERVICES

Required Equipment for Training Sessions at Customer Sites

RADIO	Required for field class
OTHER EQUIPMENT	N/A
CLASSROOM SET UP	Sufficient in size to handle all participants, instructor, desks, chairs, 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

White board 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 and request pricing for the following items:

- TRN- iPASO-VR1250-A   iPASO-VR1250: Installation, Operation and Maintenance- ILT- 3 Days- Open Enrollment- per Student
- TRN- iPASO-VR1250-B   iPASO-VR1250: Installation, Operation and Maintenance- ILT- 3 Days- Aviat Training Center- 10 Students Max
- TRN- iPASO-VR1250-C   iPASO-VR1250: Installation, Operation and Maintenance- ILT- 3 Days- Customer Location- 10 Students Max