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## HEALTH ASSURANCE SOFTWARE (HAS)

TRN-HAS-CM-VILT E/A/B

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### Course Specifics

Duration:	~4 hours VILT / 1 hour E-Learning
Delivered Format:	ILT combined with PV+ or VILT and E-Learning
Materials provided:	Instruction Manual Student Handbook



### Course Description

Aviat HAS (Health Assurance Software) is a critical cloud-based software tool that simplifies the complexity of link management and troubleshooting, it greatly improves microwave network reliability and performance, and lowers OPEX.

The **HAS Configuration and Management** course provides full guidance on the configuration, use and administration of the Health Assurance Software.

The course will cover in detail all aspects of using the HAS for configuration management, performance monitoring and reporting.

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 HAS training course will be conducted at Aviat Training locations or can be arranged at customer sites.**

**For HAS standalone training; can be provided only in E-Learning format or in VILT session.**

### Target Audience

This course is intended for Network Operations Center (NOC) operators and engineers involved in managing microwave networks.

## Prerequisites

1. Participants should have knowledge and experience in the areas of network operations fundamentals and telecommunications fundamentals.
2. Each student must bring a 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.
- Microsoft Windows XP, Vista, 7 or Windows 10.
- USB Port.
- Network adaptor port (LAN port).
- DB9 serial port connection or adapter (optional).

## Objectives

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

- Understand key concepts in Aviat's ProVision Plus HAS option.
- Configure the HAS system for network monitoring.
- Monitor and troubleshoot network interferences.

## Course Outline

### HAS Presentation

- Description
- Overview
- Licensing

### PV and PV+ Configuration

- Configuration Requirements
- System Configuration

### HAS Configuration

- Configuration Requirements
- System Configuration
- Interface Configuration

### Troubleshooting and Monitoring

- Dashboard Summary
- Radio Link Health Trends

### Topology Map Health Assurance View

- Introduction
- Access to Health Assurance Topology
- Smart Panel Widgets

## Required Equipment for Training Sessions at Customer Sites

RADIO	Access to the customer network
OTHER EQUIPMENT	None
CLASSROOM SET UP	NA

## 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-HAS-CM-E	HAS: CONFIGURATION AND MANAGEMENT - ELEARNING - PER STUDENT
TRN-HAS-CM-VILT-A	HAS: CONFIGURATION AND MANAGEMENT - VIRTUAL INSTRUCTOR LED - OPEN ENROLLMENT - PER STUDENT
TRN-HAS-CM-VILT-B	HAS: CONFIGURATION AND MANAGEMENT - VIRTUAL INSTRUCTOR LED - 10 STUDENTS MAX