

Certified Allied Telesis Professional/ Wireless Solution

Duration

Four days.

Delivery format

Classroom-based, instructor-led.

Certification

Attendees will be required to pass a web-based or written exam upon completion of the course. The title of Certified Allied Telesis Professional will be awarded to candidates achieving the pass score.

Intended Audience

Technicians planning, installing and maintaining the Allied Telesis wireless elements, in complex wireless solutions, in both point-to-point and point-to-multipoint environments. The training is designed to provide all participants the opportunity to take part in practical tests, and obtain the necessary knowledge to design a wireless architecture, and manage these products in every possible context.

Prerequisites

A good theoretical knowledge of basic wireless and networking concepts.

Scheduling

To learn more or schedule a class, visit our website at alliedtelesis.com/training or contact us via email:

NORTH AMERICA

» na_training@alliedtelesis.com

EUROPE

» training.eu@alliedtelesis.com

Introduction

This course is aimed towards technicians installing and configuring Allied Telesis wireless access points. The training is designed for those companies typically selling installation and maintenance services to their customers, and must therefore ensure they have enough skilled technicians to perform the required tasks effectively. As well as theory, real life scenarios will be included throughout the course, in the form of expertly designed lab exercises.

Learn More

alliedtelesis.com/training

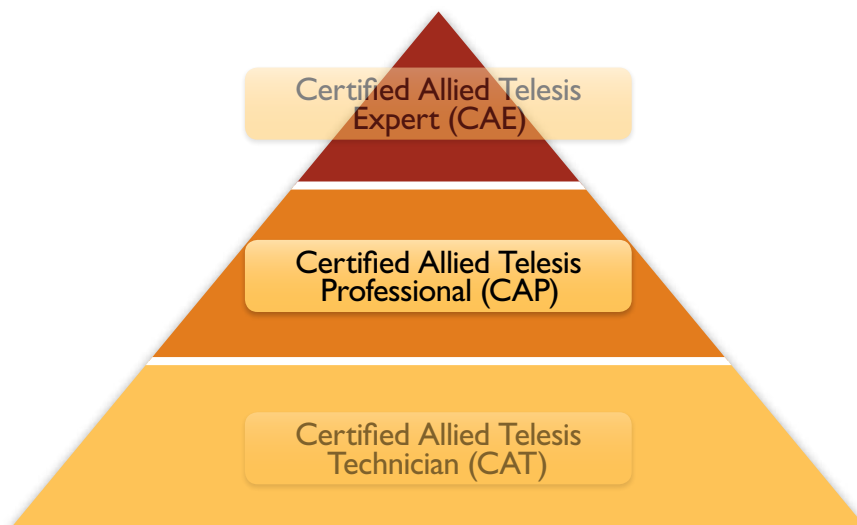
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Objectives

After completion of the course the course attendees will be able to:

- » Understand the challenges and requirements of a wireless network.
- » Understand the physical characteristics of the wireless environment.
- » Explain the advantages of the Allied Telesis solution.
- » Provide high quality consultancy to end-users.
- » Follow best practice deployment from an out-of-the-box product.
- » Achieve high level security within a wireless network.
- » Plan, install, manage and maintain complex wireless networks.



Course Outline

Hardware and Features Presentation

This provides a general outline of the Allied Telesis wireless suite, its specifics, and how to choose the correct product for every environment. The presentation also includes an overview of the command line and Web GUI.

Wireless Detailed Configuration

An overview of all the parameters required, from the very basics to the advanced. The course provides the knowledge needed to plan the network architecture and configure an out-of-the-box wireless element. Certain aspects of the physical layer issues, such as the choice of the signal base are considered, and a detailed explanation on the protocol and designation (a/b/g) will be given.

Verifying the Link

Attendees will cover how to control and check the status of the wireless connection between all network elements, along with an in depth description of the logging entries.

Securing the Network

This section presents the various ways of securing access to the wireless network, and explains the identification protocols such as EAP, WEP, WAP, MAC authentication coupled with RADIUS server.

Point-to-Point Link

A detailed overview of the crucial points to consider when configuring this environment is provided during this module. Training will be given on the capability to establish point-to-point half- and full-duplex links.

Point-to-Multipoint Link

Attendees will receive instruction on the vital aspects to configuring these links, and the hotspot part for commercial implementation will also be considered.

Installation, Management and Maintenance Tools

How to install, manage and maintain the wireless elements, including functionalities such as user and password management, clock settings, firmware upgrade, backup and disaster recovery, and monitoring tools.

Meshed Network and Routing

This part of the course covers how to make a wireless network redundant based on either Layer 2 or Layer 3 techniques. An explanation on the dynamic routing protocol is also given.

QoS and Firewall

Advice on design and recommendations for achieving the best possible network performance, this module focuses on how to manage the provided bandwidth combined with the firewall functionality.