

Certified Allied Telesis Expert / Service Provider

Duration

Five 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 Expert will be awarded to candidates achieving the pass score.

Intended Audience

Engineers who wish to install and maintain Allied Telesis service provider products using approved design and configuration.

Prerequisites

Prior certification at Certified Allied Telesis Professional level.

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 designed to teach attendees how to design, install and perform advanced configuration, maintenance, and troubleshooting on Allied Telesis service provider products, including the integrated Multiservice Access Platform (iMAP), AlliedView™ NMS, and media gateways (iMG/iBGs). In addition to theory behind the solutions, this course allows participants the opportunity to practice configuration tasks in a lab environment.

Learn More

alliedtelesis.com/training

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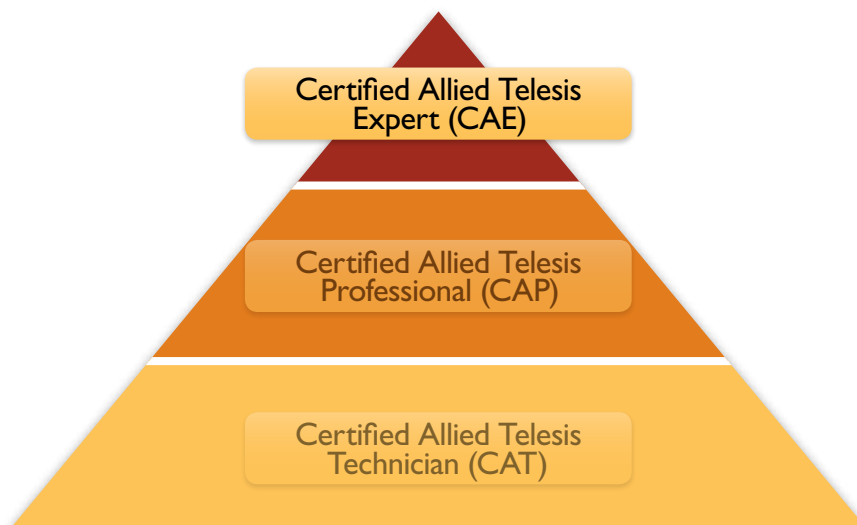
Objectives

After completing the course, the attendees will be able to:

- » Demonstrate advanced understanding of iMAP services.
- » Properly configure advanced iMAP features.
- » Configure redundancy protocols such as EPSR and MSTP.
- » Demonstrate knowledge of iMAP network design.
- » Demonstrate advanced knowledge of the Allied Telesis Command Line Interface (CLI) used in service provider products.
- » Perform advanced field troubleshooting.
- » Utilize AlliedView NMS tools to effectively monitor and maintain Allied Telesis service provider products.

Key Products

iMAP family, AlliedView NMS, iMG/iBG family.



Course Outline

Introduction

Course logistics and overview.

Network Design

Infrastructure and topology design configurations, as well as logical network design considerations.

Designing Video Networks

Considerations for facilitating proper IP routing and IP multicast video delivery.

Advanced iMAP Topologies

Using the various Spanning Tree protocols and EPSR, to create highly resilient carrier networks.

Advanced iMAP Features

Topics such as SELT/DELT, ADSL bonding, and traffic management and segmentation are discussed.

iMAP Services

Configuring ADSL, CES8, NTE8, and POTS services.

DHCP Operation

Facilitating DHCP across a large multi-access network using relay and option-82.

Tuning AlliedView NMS

Advanced topics and useful tools for AlliedView NMS including event parsing, event filtering, and alarm configuration.

Testing and Troubleshooting

General and per-service troubleshooting, as well as specific troubleshooting concepts for iMAPs and iMGs.