COURSE NAME BT-e500 BACnet System Networking

FORMAT   Online eLearning with some offline study

DURATION   Depending on experience level can take between 8-16 hours to complete

SCHEDULE   Self-Paced

ASSESSMENT   A comprehensive, online examination follows.

AUDIENCE

This course is targeted to building automation and control system field technicians, application/field engineers, and programmers who work with Alerton's BACtalk control system.

OVERVIEW

The BACnet System Networking course, BT-e500, is the second course in Alerton's networking technologies curriculum. The BT-e500 is an online, self-paced training course covering the rules and configuration requirements for implementing a BACnet-based building automation and control systems using Alerton's BACtalk product line on a customer's enterprise network or on a network installed and managed by the dealer.

OBJECTIVES

 After completion of this course, students should be able to:

- Identify the role BACnet plays in building automation and control systems

- Explain BACnet's objects, properties and services

- Identify the relationships between BACnet objects, properties and services

- Explain BACnet's 4-layer network architecture

- List and describe three types of BACnet networks: Ethernet, MS/TP and PTP

- Identify key differences between BACnet/Ethernet and BACnet/IP

- Identify the functions of BBMDs on a BACnet/IP internetwork

- Identify the purpose and function of foreign device registration

- State the function of the BACnet Testing Laboratory

- Explain BACnet device profiles

- Identify the use and benefits of BIBBs and PICs

PREREQUISITES

- A working knowledge of computers and current Microsoft operating systems

- Successful completion of the NT-e100 course or CompTIA Network+ certification

- Successful completion of the BT-230 Lab course or ACE certification

RESOURCES

- This online course requires Adobe Flash Player 8 or later and a modern Web browser.