AIA Accredited Course:

Integrating Intercom, Paging and Bells into a School's Network Infrastructure

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APRIL 20
SHELBYVILLE

COURSE DESCRIPTION

This course is designed to provide an overview of how to integrate an Intercom, Paging, Bells system into a buildings shared data network infrastructure. It will discuss network standards and other network-based systems that can be leveraged to create an integrated system for building or campus-wide communications.

COURSE OBJECTIVES

Behavior: Paging, bell, and intercom systems in schools are used for sound and egress and are required to comply with code requirements. Participants will be able to differentiate between systems that are fully integrated with voice over IP standards and systems that are only integrated at a single technological junction. Conditions: They will be able to describe a system that is fully integrated at the individual device level by completing a graphical system diagram and answering 10 questions. Criteria: Obtaining a score of 8 out of 10 or better based on the scoring rubric.

Behavior: Paging, bell, intercom systems in schools are used for sound and egress and are required to comply with code requirements. For decades these systems have been based on analog audio communications. In today's school designs, the IP network infrastructure is required to support multiple different technologies and instructional needs. Implementing an intercom, paging, bells system that leverages this shared infrastructure but does not require installing a completely separate wiring platform provides a great value and efficiency for the client. Conditions: Participants will be able to demonstrate how to leverage the shared IP infrastructure for the intercom, paging, and bells system Criteria: They will demonstrate their learning by discussing the advantages of a fully digital system that utilizes the schools network infrastructure.

Behavior: Paging, bell, intercom systems in schools are used for sound and egress and are required to comply with code requirements. Using multiple network paths is an important part of designing a reliable communications system that utilizes the network infrastructure of a school building. Conditions: Participants will be able to demonstrate how to identify systems that use multiple communications paths to create both reliability and redundancy in the intercom, paging, bells system Criteria: They will demonstrate their learning by verbally answering questions posed by the instructor and describing a system that is compliant to the standard.

Behavior: Paging, bell, intercom systems in schools are used for sound and egress and are required to comply with code requirements. Voice over IP Systems (VoIP) has become the standard for schools implementing phone systems. Participants will recognize a standards based paging system. The standard which governs VoIP communications systems is the SIP (Session Initiation Protocol) standard. Conditions: They will be able to describe a system that is compliant with SIP (Session Initiation Protocol) standards by discussing a system diagram and key provisions from the SIP standard. Criteria: They will demonstrate their learning by verbally answering questions posed by the instructor and describing a system that is compliant to the standard.

COURSE DETAILS

This is a one-day, face-to-face instruction course that will be held on April 20, 2018, 9–10 AM, in Shelbyville, KY. Creative-image technologies, 211 Breighton Circle, Unit 8, Shelbyville, KY 40065.

Interested participants can sign up for the course on AIA's website:

1. Visit aia.org and click on *Career*
2. Choose *Find Courses* on the left and then click *online course directory* on the page that appears
3. Choose the *Advanced* option under the red Course Directory header
4. Search by the course title, "Integrating Intercom, Paging and Bells into a School's Network Infrastructure."