



Access Control Specialist Level One: Course Three – Binary and Card Data Formats
Course Time: 1 hour

Course Description

One of the most confusing, even intimidating questions will often be “What format should these cards have?” This module can’t answer that question for you, but it will give you all the facts to be able to make the right choice every time. The structure of formats and their function in the credential, reader and controller are clearly explained.

Since binary arithmetic (1 and 0) is the foundation of formats, the module begins with its thorough exploration. You will learn how to count in binary and how it is used to construct card data formats. It is critical that you understand the fundamentals of what makes up the card data formats in order to make the right selections when it comes to an actual access control application.

Course Outline

- Introduction
- Binary and Card Data Formats
 - Objectives
 - Card Data Format
 - Data and the Credential
 - Binary Bits
 - Binary Code
 - Card Formatting
 - Wiegand Formatting
 - Parity Bits
 - Formats and Controllers
 - Mutual Authentication: 64 Bit Key
- Conclusion