

# **AC2000 Technical Training**

## **Level 1 & 2**

### **Course Overview**

## AC2000 Installation Course

The four day AC2000 Installation course is designed to provide access control professionals with the skills and knowledge required to setup and maintain CEM Systems access control hardware and the AC2000 application suite.

### Course Duration

The course will last four full days. Start and end time are stated in the invitation email.

### Who is it suitable for?

Installation / support engineers and other professionals involved in 'at the door' hardware installation and troubleshooting and / or software setup and administration.

### What is covered?

The course covers all of the core elements involved in setting up and configuring key CEM Systems main hardware products. It also covers software knowledge required to setup and initialise an AC2000 access control system as well as fundamental end user functionality required to operate the system effectively. By the end of the session delegates should be able to:

#### Hardware

- Wire and configure the S700 readers.
- Wire and configure the DIU230 door interface unit.
- Wire and configure the emerald™ Intelligent Access Terminal
- Wire and configure the eDCM300/350

#### Software

- Install and set up AC2000 server software.
- Install and configure the AC2000 workstation software.
- Perform the initial setup and configuration of an AC2000 access control system.
- Configure and use the applications required to add and manage card holders and system alarms

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## Day One

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### AC2000 Fundamentals & New Features

- Describe the key features of the AC2000 software range
  - Describe the typical AC2000 topology
  - Illustrate the data flow of a card swipe
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### Software: Installing AC2000

- Installing the AC2000 server software
  - Installing the AC2000 Workstation software
  - Configuring individual workstations for use
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### Software: Getting started with AC2000

- AC2000 System Overview
- What data is needed
- Creating system users
- Adding readers
- Creating access groups and levels
- Creating time zones
- Designing a pass
- Card Setup
- Adding companies
- Adding and editing cardholders

## Day Two

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| Hardware:           | <ul style="list-style-type: none"><li>• Definition of an intelligent device</li></ul>  |
| Device Fundamentals | <ul style="list-style-type: none"><li>• Common door configurations</li><li>• How AC2000 controls access at a door</li><li>• Workflow for device deployment</li></ul> |
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|---------------------------------|---|
| Hardware:                       | <ul style="list-style-type: none"><li>• Wiring power, inputs and lock to the S700</li></ul>                                       |
| Installing the Series700 reader | <ul style="list-style-type: none"><li>• Wiring the S700 with S700 exit reader</li><li>• Using the on-board reader menus</li></ul> |
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|-----------------|--|
| Hardware:       | <ul style="list-style-type: none"><li>• Setting Card Definitions</li></ul>                         |
| Card Validation | <ul style="list-style-type: none"><li>• Validate a Card</li><li>• Return / Reissue Cards</li></ul> |
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|---------------------------------------|---|
| Software:                             | <ul style="list-style-type: none"><li>• Rolling Transaction Display (RTD)</li></ul>                                     |
| Real Time Alarms and Event Monitoring | <ul style="list-style-type: none"><li>• ACK/CAN</li><li>• One Shot</li><li>• Broadcast</li><li>• Muster Zones</li></ul> |
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|--------------|--|
| Security Hub | <ul style="list-style-type: none"><li>• Security Hub Configuration</li><li>• Configuring Security Hub Maps</li><li>• Processing Alarms</li></ul> |
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| Hardware:          | <ul style="list-style-type: none"><li>• Wiring power, inputs and lock to the DIU 230</li></ul>       |
| Installing DIU 230 | <ul style="list-style-type: none"><li>• Wiring the S700 and S700 exit reader to the DIU230</li></ul> |
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## Day Three

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Hardware:  
eDCM300/350

- Introduction to the unique features
  - Wiring the reader
  - Configuration & Setup
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Software:  
AC2000 Web Edition 1

- Dashboard
  - Setup
  - Oneshot
  - Mimic
  - Personnel
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Software:  
Back Up/Restore

- Backup Types
  - Restore AC2000
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Hardware:  
Installing of the emerald™  
Intelligent Access Terminal

- Introduction to the unique features
  - Wiring the reader
  - Using the on-board reader menus
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Software:  
emerald™ Intelligent Access  
Terminal - Additional Features

- Remote Apps
  - Intercom
  - Advertisements
  - Pre Access Checklists
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Software:  
Reports, Transaction Load and  
Audit Logs

- Reports
  - Transaction Load
  - Audit Logs
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Integrations:

- Overveiw of CCTV integration – E.G. exacqVision
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## Day Four

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Course Review

- Summary
  - Q&A
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Assessment

- Written Paper
  - Practical Challenge
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End of Course

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