GB240
AC400 Controller with 800xA Maintenance

Course goal

The goal of this course is to enable the plant instrument engineers to maintain the System 800xA with AC400 Advant controllers.

Learning objectives

Upon completion of this course, students will be able to:

- Explain the System 800xA architecture and the function of the different components
- Navigate within the 800xA system
- Navigate within the Advant AC400 Controller
- Backup and Restore the 800xA system
- Import and Export Data from the 800xA system
- Backup Restore the AC400 Advant Controller
- Provide first line fault diagnosis
- Locate faults
- Trace signals from the I/O system through to the Operator displays
- Understand the AC400 Controller Operating modes
- Make basic Database changes
- Configure Operator Trends
- Configure Group Displays

Participant profile

This training is targeted to Instrument Maintenance Engineers, Technicians who need to access the system in a front line fault diagnosis role.

Prerequisites

Students should have a basic knowledge of a Microsoft Windows Operating system.
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Topics

- System 800xA architecture
- AC 400 Advant Controller Hardware
- AC 400 I/O system S100 & S400
- Signal Flow
- Advant Engineering Station
- Alarm and Events
- Historian and Trends
- Graphic Displays
- Faceplates and Graphic Elements
- Operator Workplace
- Backup / restore

Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 60% of the course is hands-on lab activities.

Duration

The duration is 5 days.

To enrol on-line visit:
www.abb.com/Abbuniversity/courses.aspx

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Course description

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Course outline

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
■ Course overview ■ Training Equipment Overview ■ System 800xA architecture ■ Process Adaptiion – Signal Path Hard/Software ■ Process Portal A User Interface ■ Quick List ■ Advant 100ES Getting Started ■ On-Line Builder Starting ■ TSESS	■ Online Builder Command Set ■ SHUDAS ■ LSS ■ MDB ■ =LV ■ LV ■ LS ■ GEPCD ■ DIAG ■ DUAP ■ TSESS	■ GETAB ■ LDIR ■ LIST ■ Operating Modes ■ Cabinet Layout Designation ■ Terminal Diagrams ■ S100 I/O system ■ S800 I/O system ■ AF100 Comms ■ Power Supplies	■ Basic Units ■ Master Net Comms ■ PPA Backup/Restore ■ PPA Export/Import ■ Alarm/Event Lists ■ Status Lists ■ Fault Finding	■ Review Q/A ■ AC400 Maintenance ■ Fault Tracing

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