Course description

SET320
System 800xA for Advant Master Configuration

Course goal
The goal of this course is to learn the installation, configuration and maintenance of the Extended Automation System 800xA with Advant / Master Controllers.

Learning objectives
Upon completion of this course the participants will be able to:
- Plan an appropriate architecture for an 800xA system with Advant / Master controllers
- Install the System 800xA for Advant Master software
- Navigate in the system and create new objects and aspects
- Configure and maintain the communication between 800xA and Advant / Master controllers
- Configure process graphic displays and define navigation links
- Modify faceplates and create graphic elements
- Manage and configure alarm and events
- Set up historical data collection and configure trend displays
- Configure time synchronization
- Create and customize Operator Workplaces
- Configure user accounts and describe how access rights work
- Backup and restore System 800xA data
- Create simple reports using MS Excel Data Access

Participant profile
This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

Prerequisites
Students should have attended the AC 400 configuration course A331 or have knowledge and experience associated with the content of this course.

Topics
- System 800xA architecture
- System 800xA for Advant Master installation
- Plant Explorer
- Controller communication and Database integration
- Plant modelling
- Graphic displays
- Graphic elements
- Faceplates
- Alarm and events
- Historical data collection
- Trend displays
- Operator Workplace
- User security
- Time synchronization
- Backup and restore
- Simple reports

Course type and methods
This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

Duration
The duration is 4 days.
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Course outline

Day 1
- Course overview
- System 800xA architecture
- Plant Explorer
- Installation and system handling
- Controller communication

Day 2
- Plant modeling
- Graphic displays
- Graphic elements
- Faceplates

Day 3
- Alarm and events
- Historical data collection
- Trend displays
- Status list

Day 4
- Operator Workplace
- Security
- Time synchronization
- Backup and restore
- Simple reports

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