T321
System 800xA for Harmony Configuration

Course goal

The goal of this course is to learn the architecture, configuration and maintenance of the Extended Automation System 800xA for Harmony.

Learning objectives

Upon completion of this course, the participants will be able to:
- Explain the System 800xA architecture and the function of the different components
- Navigate in the system and create new objects / aspects
- Configure and maintain the OPC connectivity with Harmony controllers
- Configure process graphic displays and define navigation links
- Modify faceplates and create graphic elements
- Manage and configure alarm and events
- Set up the historical data collection and configure trend displays
- Create and customize Operator Workplaces
- Configure user accounts and describe how access rights work
- Backup and restore System 800xA data
- Use the import / export tool
- Configure time synchronization on an 800xA system with Harmony Connect
- 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 and Recommendations

Students shall have attended the Harmony Composer Engineering course M202 or have knowledge and experience associated with the content of the course. They shall know the fundamentals of working with Control Systems and have basic knowledge of Windows XP.

Topics

- System 800xA architecture
- Engineering Workplace / Plant Explorer
- OPC connectivity
- Database integration
- Faceplates
- Graphic displays
- Graphic elements
- Alarm and events
- Historical data collection
- Trend displays
- Operator Workplace
- User security
- Backup and restore
- Simple reports
- Time synchronization

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.

Course duration

The duration is 5 days.

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Course outline

Day 1

- Course overview
- System 800xA architecture
- Engineering Workplace / Plant Explorer
- Harmony OPC connectivity

Day 2

- Database Integration
- Faceplates
- Graphic displays

Day 3

- Graphic elements
- Historical data collection
- Trend displays

Day 4

- Alarms and events
- Operator Workplace
- User security

Day 5

- Backup and restore
- Simple reports
- Time synchronization

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