ABB University

**T322 System 800xA for AC870P/Melody Configuration**

**Course description**

**Course goal**
The goal of this course is to understand the system structure and to learn the configuration and maintenance of the Extended Automation System 800xA with AC 870P / Melody.

**Learning objectives**
Upon completion of this course, the participants will be able to:

- Plan an appropriate architecture for a system 800xA with AC 870P / Melody
- Configure and maintain the communication between 800xA and AC 870P / Melody controllers
- Describe the system structure of the AC 870P/Melody Connect
- Navigate in the system and create new objects/aspects
- Configure and modify graphic displays and graphic elements
- Manage and configure alarm and events
- Configure historical data collection and trends
- Configure time synchronization
- Create and customize a workplace
- Configure user accounts and describe how access rights work
- Save and restore data

**Prerequisites**
Students should have attended the Melody Composer configuration course T330 / T331 or have knowledge and experience associated with the content of the courses.

**Topics**
- System 800x architecture with AC 870P / Melody
- AC 870P / Melody Connect system structures
- Plant Explorer introduction
- Controller communication and Database integration
- Graphic Displays
- Faceplates
- Alarm and Events
- Historical data collection
- Trends
- Time synchronization
- Workplace configuration
- Security
- Backup and restore

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

**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 information
- System 800xA architecture with AC 870P / Melody
- Operation
- Plant Explorer introduction
- AC 870P / Melody Connect system structures

Day 2
- Controller communication
- Database integration
- Graphic displays

Day 3
- Graphic Elements
- Faceplates PG2
- Alarm and Events

Day 4
- Historical data collection
- Trends
- Workplace configuration
- Security

Day 5
- Time synchronization
- Backup and Restore