ABB University

T323 Compact HMI 800 / System 800xA with PLC Connect Configuration

Course description

Course goal
The goal of this course is to learn the installation, configuration and maintenance of the Extended Automation System 800xA with PLC Connect as well as the Compact HMI 800.

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

- Plan an appropriate architecture for System 800xA with PLC
- Connect / Compact HMI 800
- Create a system and configure the services
- Navigate in the system and create new objects / aspects
- Create object types and instances
- Configure the communication between the HMI and controllers
- Configure and modify graphic displays, faceplates and graphic elements
- Manage and configure alarm and events
- Configure historical data collection and trends
- Create and customize a workplace
- Configure user accounts and describe how access rights work
- Save and restore data

Prerequisites
Students shall know the fundamentals of working with Control Systems and have basic knowledge of Microsoft Windows and networking technologies.

Topics
- System overview
- Operator Workplace
- Plant Explorer introduction
- Handling of Aspects and Objects
- System setup
- Objects and Signals
- Process objects
- Graphic displays
- Graphic elements
- Faceplates
- Workplace configuration
- Alarm and Events
- Historical data collection
- Trend displays
- 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.
# T315C System 800xA with AC 800M Engineering, part 1 – Control Builder

## Course outline

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