

## Course description

# GBW308

## System 800xA

# System Maintenance & Troubleshooting

### Course goal

The goal of this course is to learn how to troubleshoot the ABB Extended Automation System.

### Learning objectives

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

- Explain the System 800xA architecture and the function of the different components
- Explore 800xa Files
- Troubleshoot Networked devices
- Connect to 3<sup>rd</sup> Party OPC Server
- Fault find OPC Issues
- Export and Import Aspects and Objects
- Explain the connection between Microsoft and 800xA Security
- Take complete Backup of a system
- Recover a system from a Black-Start
- Explain the function of the Domain Controller n the 800xa System

### Participant profile

This training is intended for first level maintenance and service personnel.

### Prerequisites

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



### Topics

- System 800xA Architecture
- 800xA File Structure
- Windows 2012 Domain Controllers in 800xA Environment
- Security
- Adding New Users to the 800xA System
- Group policies
- Networking
- RNRP
- Troubleshooting Aspect Server
- Troubleshooting Connectivity Server
- OPC Connectivity
- Import/Export
- 800xA System Backup and restore
- Black-Start

### 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 5 days.

### To enrol on-line visit:

[www.abb.com/Abbuniversity/courses.aspx](http://www.abb.com/Abbuniversity/courses.aspx)

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Course outline

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<ul style="list-style-type: none"><li>■ Course overview</li><li>■ System 800xA architecture</li><li>■ 800xA file Structure</li><li>■ Domain Controllers in 800xA environment</li></ul>	<ul style="list-style-type: none"><li>■ Security</li><li>■ Group Policy</li><li>■ Networking</li><li>■ RNRP</li></ul>	<ul style="list-style-type: none"><li>■ Aspect Server</li><li>■ Connectivity Server</li><li>■ OPC Connectivity</li></ul>	<ul style="list-style-type: none"><li>■ Import/Export</li><li>■ System Backup/Restore</li><li>■ Troubleshooting complete system</li></ul>	<ul style="list-style-type: none"><li>■ Black-start and fault-finding exercise</li></ul>

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