Course description

INT310
System 800xA Operation

Course goal
The goal of this course is to learn how to operate and navigate in the Industrial IT Extended Automation System 800xA.

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 a standard operator workplace by using aspect objects technology
- Read and interpret information from different process displays
- Create operator notes
- Monitor and control standard process objects such as motors, valves and PID loops through faceplates
- Interpret information on interlocks
- Handle alarm and event lists
- Acknowledge alarms
- Describe the principles of historical data logging
- Operate trend displays and interpret the information
- Monitor and control sequences based on Sequence Function Charts
- View and print reports
- Log in as different users
- Use some basic system monitoring tools

Participant profile
This training is targeted to operators.

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

Topics
- Course introduction
- Introduction to system 800xA
- Operator workplace
- Navigation
- Process control
- Basic control objects
- Alarm and events
- Trending
- System monitoring

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. The Language of the course is English.

Course duration
The duration of the course is two days.
Course description

**INT310**
System 800xA Operation

Course outline

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>Basic control objects</td>
</tr>
<tr>
<td>Introduction of system 800xA</td>
<td>Alarm and events</td>
</tr>
<tr>
<td>Operator workplace</td>
<td>Trending</td>
</tr>
<tr>
<td>Navigation</td>
<td>System monitoring</td>
</tr>
<tr>
<td>Process control</td>
<td></td>
</tr>
</tbody>
</table>

ABB India Limited
Process Automation Training Centre
New PA Shop Floor Building, Plot No. 4A, 5&6, 2nd Phase,
Peenya Industrial Area, Bengaluru – 560058, Karnataka, India
Email: training@in.abb.com
www.abb.com/abbuniversity