ABB UNIVERSITY COURSE DESCRIPTION

T314V
System 800xA – Basic Configuration

Learn the basics of System 800xA.
Explain the System 800xA system architecture and its many components.

Course type and methods
This is a self-paced course with short presentations, demonstrations and extended exercises.

Student Profile
This training is for System 800xA users who need to learn the fundamentals in order to form a foundation for maintenance and administration skills.

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

Course objectives
Upon completion of this course the participants will be able to:
• Explain the System 800xA architecture and the function of the different components
• Modify existing application programs by using Function Block Diagrams, Sequential Function Charts, Structured Text and Control Modules
• Describe the structure of application programs i.e. variables, libraries, programs, tasks
• Troubleshoot the OPC connectivity to AC800M
• Configure the AC 800M hardware and corresponding I/O’s
• Modify graphic displays
• Manage and configure alarm and events
• Monitor trends and configure historical data collection
• Import / export System 800xA data

Main topics
• System 800xA architecture
• AC 800M Hardware
• Applications with FBD, ST, and SFC
• Control Modules
• Alarm and Events
• Historian and Trends
• Graphic Displays
• Operator Workplace
• Function Designer
• Import / export

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