

T338 AC 800M with Select I/O

OEM: ABB • Code: T338

COURSE DESCRIPTION

The goal of this course is to learn the planning, configuration, and commissioning of automation solutions with AC 800M with Select I/O and S800 I/O in the Extended Automation System 800xA.

COURSE CONTENT SUMMARY

- System 800xA topology with AC 800M and Select I/O
- Workplaces
- Hardware
- Loops
- Engineering and Loop Check Concept
- XStream Commissioning
- Hardware Engineering
- Signal List
- Loop Check
- Export/Import
- Device Management for HART
- Soft Marshalling
- Engineering with Signals
- Network
- Maintenance and Troubleshooting
- FIM Dignostics

AUDIENCE PROFILE

- This training is targeted to application and instrumentation engineers, commissioning and maintenance personnel, service engineers and system integrators.

PREREQUISITES

- Students should have attended the Engineering course T315 or have knowledge and experience associated with the content of this course.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Explain the topology of a System 800xA with AC 800M and Select I/O
- Explain the fundamentals of xStream Engineering
- Configure the Select I/O hardware
- Configure and commission of Select I/O with a Signal List.
- Explain and execute a Loop Check with Select I/O
- Plan and design a network for PROFINET
- Execute maintenance for Select I/O
- Use HART Devices with Select I/O
- Use Signals in Control Builder M and Function Designer.
- Use the Import/Export Tool for Soft Marshalling

COURSE OUTLINE

Module 1: Day 1

- Course overview.
- System 800xA topology with AC 800M and Select I/O
- Workplaces
- Hardware
- Loops
- Engineering and Loop Check Concept
- Hardware Engineering

Module 2: Day 2

- Signal list.
- Export / Import
- Device Management For HART
- Soft Marshalling
- Engineering with Signals
- Network
- Maintenance and Troubleshooting
- FIM Diagnostics

DELIVERY NOTE

- This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab.