

T307

System 800xA - Batch Management Engineering and Operation



Learn how to install and administer an Extended Automation System 800xA Batch system. Control and operate batch procedures in auto, semi-auto and manual mode.

Course type and methods

This is an instructor led workshop with short presentations and demonstrations, extended exercises, hands on sessions and discussion. Approximately 50% of the course is hands-on lab activities.

Student Profile

This Expert Workshop is targeted to commissioning and maintenance personnel, production managers, operators, process and application engineers.

Prerequisites

Students should have attended either the Basic Configuration course T314 or the Engineering course T315 or have knowledge and experience associated with the content of these courses.

Course objectives

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

- Explain the Procedural model and Equipment model
- Describe the modes and states according ISA S88.01
- Schedule and monitor batches
- Control and operate batch procedures in auto, semi-auto and manual mode
- Configure Procedure Function Charts on various level of complexity
- Allocate resources and handle transfers

- Edit recipes in run-time
- Configure exception handling
- Describe the integration of Batch Management with the AC 800M controller
- Analyze historical batch data collection
- Configure reports in MS Excel

Main topics

- Overview 800xA Batch Management
- Introduction to ISA S88
- Scheduling a single unit batch
- Controlling a single unit procedure
- Manual phase control
- Batch historical data
- Configuring simple unit recipes
- Configuring complex unit recipes
- Runtime-edit procedures
- Exception handling
- Link Batch Management to AC 800M
- Production recipes
- Reports
- Miscellaneous

Duration

The duration is 5 days

Course Outline

Day 1	Day 2	Day 3	Day 4	Day 5
<ul style="list-style-type: none">• Course overview• Overview 800xA Batch Management• Introduction to S88• Scheduling a single unit batch	<ul style="list-style-type: none">• Controlling a single unit procedure• Manual phase control• Batch historical data	<ul style="list-style-type: none">• Configuring simple unit recipes• Configuring complex unit recipes• Runtime-edit procedures	<ul style="list-style-type: none">• Exception handling• Link Batch Management to AC 800M• Production recipes	<ul style="list-style-type: none">• Production recipes• Reports• Miscellaneous

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