

T307

System 800xA Batch Management Engineering and Operation

Course goal

The goal of this course is to learn the operation and engineering of the Batch Management provided by the Extended Automation System 800xA.

Learning 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

Participant profile

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

Prerequisites and Recommendations

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.



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

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.

Course duration

The duration is 5 days.

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Course outline

Day 1

- Course overview
 - Overview 800xA Batch Management
 - Introduction to S88
 - Scheduling a single unit batch
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Day 2

- Controlling a single unit procedure
 - Manual phase control
 - Batch historical data
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Day 3

- Configuring simple unit recipes
 - Configuring complex unit recipes
 - Runtime-edit procedures
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Day 4

- Exception handling
 - Link Batch Management to AC 800M
 - Production recipes
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Day 5

- Production recipes
- Reports
- Miscellaneous