

Course description

C302

Maintaining Industrial IT Quality Control System with AC800M Controller

Course goal

The course goal is to teach students to maintain the hardware and software of the IndustrialIT Quality Control with Process Portal A and AC800M.

Learning objectives

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

- Scan the Smart Platform frame.
- Make a grade change to a different grade of paper.
- Put control in auto, change setpoints, force manual outputs.
- Select and control PID loops using the video pages.
- Run standardize and sample check procedures on the sensors.
- Print and interpret standardize and sample check reports for each sensor.
- Correlate sensor readings and adjust for the grade of paper.
- Test the TCP/IP network, and the QC LAN.
- Use the OPC Inspector to test data flow.
- Restart the controller, the operator station, and the frame.
- Restore and backup software.
- Modify a grade of paper using video pages.
- Set up a log configuration and trend display.
- Start up Service Work Station and use Health Reports to check frame and sensors.
- Maintain controller hardware.
- Use Smart Profiler Work Station to check Smart Profilers

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Participant profile

The student will be a customer technician or an ABB technician responsible for first echelon maintenance of IndustrialIT Quality Control.

Prerequisites

Students should have some basic knowledge of personal computers, process control, and electronics. Student should first attend know Basic Configuration for 800xA or have equivalent experience.

Upon completion of this course, the student should attend the C230 Smart Platform Course to be able also to maintain the frame.

Topics

- Operate IT Process Portal A
- AC800M Process Controller
- Smart Platform and Smart Profilers
- Service Workstation.

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.

Duration

The duration is 5 days.

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