Course Description

Course Duration
The duration is 4.5 days.

Course Type
This is an instructor led course.

Course Goal
The goal of this course is to familiarize students with the various hardware components found in the Harmony with S800 I/O architecture and to configure and troubleshoot the system.

Student Profile
This training is targeted to students responsible for installing, starting up and maintaining systems with Harmony with S800 I/O.

Prerequisites and Recommendations
Students should have taken the M101, M111, or M201 courses covering the basic Harmony hardware or have equivalent knowledge from experience. Basic knowledge and usage of applications running on a Windows® NT or Windows® 2000 operating system is also recommended.

Description
Students will learn about the features of the S800 I/O architecture with the Harmony DCS. "Hands-on" exercises provide the opportunity for configuring and troubleshooting of the system with Composer software.

Course Objectives
Upon completion of this course, students will be able to:

- Know what information is contained in the documentation associated with the Harmony S800 architecture and the S800 I/O and where to find the different types of information.
- Know the basic hardware layout including redundancy at all levels
- Describe the various components, supported I/O, communications, specifications, and constraints
- Explain BRC100/300 and IOR firmware compatibility
- Use proper procedures for flashing firmware
- Know how to install and set up a complete system including BRC and S800.
- Know how to configure the appropriate function blocks for S800 I/O including labeling operations to associate the module with the function block.
- Analyze hardware status and troubleshoot using LEDs, Composer, and other tools

Main Topics
- Documentation
- S800 I/O Architecture
- Hardware, Firmware, Software Setup
- Controller Configuration
- Operation
- Troubleshooting

To register please call 1-800-HELP-365 (outside the US call +1 440 585 7804). Or log on to http://NATraining.abb.com
Course Calendar - M111 Harmony Control Unit - Rack I/O with Composer™

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