B425 Configuring the MOD 300 Database Using Windows 2000

Course Description

Course Duration

The duration is 5 days.

Course Goal

The goal of this course is to teach students the base knowledge and skills required to configure and maintain the control database of an Advant OCS with MOD 300 Software. Emphasis is placed on using the Microsoft Windows 2000 platform. This course also prepares the students to attend the T675 Configuring Operate^{IT} Process Portal B1 with MOD 300 Connect course.

Student Profile

This training is targeted to the Control or System Engineer responsible for configuring the control database of an Advant OCS with MOD 300 Software.

Prerequisites and Recommendations

This course is designed specifically for students with no MOD 300 background and who use the Advant OCS MOD 300 database and the Operate^{IT} Human System Interface. If you must also configure traditional MOD 300 or Advant graphics and environments, in addition to Operate^{IT}, then we recommend B400, B405, or B415 (see below) instead of this course.

Students with traditional MOD 300 Systems only (without Operate^{IT}), should attend the B400 System Engineering course. If you

have Advant OCS only (without Operate^{IT}), you should attend B405, Advant System Engineering. If you have already attended B400, and have upgraded to Advant OCS only (without Operate^{IT}), then we recommend you attend the B415 System Engineering upgrade to Advant OCS instead.

Students should also be familiar with principles of basic process control and Microsoft Windows 2000 technology.

Description

In this course, students will learn about basic tools used for control database configuration in an Advant OCS with MOD 300 Software. Configurable Control Functions (CCF), both continuous and discrete, are covered. Database creation, editing, and maintenance are included. Hands-on lab exercises, using the Windows 2000 platform, reinforce the theories taught in class.

Course Objectives

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

- Identify the major components of an Advant OCS with MOD 300 Software.
- Configure a new MOD database, including subsystem nodes, TRIO, S800 and S100 I/O, continuous and discrete control and indicate loops.
- Compile, install, and download a database and troubleshoot problems at each stage.
- Verify proper runtime operation of the database using Process Portal MOD 300 Connect workstations.
- Edit portions of the database while minimizing disruption to the field process.

Course Objectives (continued)

- State the procedures required to implement Profibus components.
- Maintain the database, including runtime updates, decompile, backup and restore.

Course Calendar - B425 Configuring the MOD 300 Database Using Windows 2000

Day 1	Day 2	Day 3	Day 4	Day 5
• Course Introduction • System Overview • Basic Operating Procedures using Operate^{IT} stations • Database Configuration Overview Lab: • Basic Process Portal Navigator and operation.	• Configurable Control Functions (CCF) - Continuous Loops Lab: • Project and Database Creation. • Database Familiarization.	• CCF Device Loops • CCF Miscellaneous Applications Lab: • Database Configuration.	• Process Portal Import Function • S100 I/O Hardware and Configuration • S800 I/O Hardware and Configuration • TRIO Hardware and Configuration (optional) Lab: • Database Import to Process Portal. • Database Editing. • Runtime Checkout	• Database Maintenance • Runtime Update • Decompile • Back-up and Restore Lab: • I/O Configuration. • Database Back-up and Restore.