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 OperateIT 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 OperateIT Human System Interface. If you must also configure traditional MOD 300 or Advant graphics and environments, in addition to OperateIT, then we recommend B400, B405, or B415 (see below) instead of this course.

Students with traditional MOD 300 Systems only (without OperateIT), should attend the B400 System Engineering course. If you have Advant OCS only (without OperateIT), you should attend B405, Advant System Engineering. If you have already attended B400, and have upgraded to Advant OCS only (without OperateIT), 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

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<td>• Course Introduction</td>
<td>• Configurable Control Functions (CCF) - Continuous Loops Lab:</td>
<td>• CCF Device Loops • CCF Miscellaneous Applications Lab:</td>
<td>• Process Portal Import Function • S100 I/O Hardware and Configuration • S800 I/O Hardware and Configuration • TRIO Hardware and Configuration (optional) Lab:</td>
<td>• Database Maintenance • Runtime Update • Decompile • Back-up and Restore Lab:</td>
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<td>• System Overview</td>
<td>• Basic Operating Procedures using OperateIT stations • Database Configuration Overview Lab:</td>
<td>• Database Configuration.</td>
<td>• Database Import to Process Portal. • Database Editing. • Runtime Checkout</td>
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<td>• Basic Process Portal Navigator and operation.</td>
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