

PROVOX® Many training courses are available for individuals serving the worldwide installed base of the well-established PROVOX distributed control system. As the technology is continually evolving, PROVOX training is updated accordingly and should be considered by anyone responsible for configuring, operating, and troubleshooting this system.

PROVOX System Configuration Using Control Desktop and DeltaV Operate

Course 5197 CEUs: 3.2

This course is designed for process control engineers, senior maintenance technicians, and supervisory personnel responsible for using ENVOX P5.0 Control Desktop software to configure a DeltaV Operate for PROVOX Console and either a SR90 or SRX Controller. This course is the prerequisite for the Advanced Continuous and Batch Schools.

Overview

This 4-1/2 day course teaches configuration of a SR90/SRX controller and DeltaV Operate for PROVOX Console. Students will configure the controller to do automatic control of a simulated process and a PROVOX Operator console to be used as an operator interface. Students who complete this course will be able to:

- complete the basic configuration for an SR90/SRX controller, to include basic device and database definition, I/O definition and data acquisition points
- use Control Desktop to configure the DeltaV Operate for PROVOX Console device definition and point alarm handling
- use DeltaV Run and the DeltaV Configure mode to create and test basic operator displays
- use Control Desktop software to create, copy and modify PROVOX database elements
- generate and download a basic DeltaV Operate for PROVOX Console Configuration containing PPA's, PMA's, and basic displays

Prerequisites

With the retirement of the PROVOX product line in 2013, these courses can only be assured to customers with a Sustain Support Agreement. A Sustain Support Agreement can be customized to meet your needs for future support-taking into consideration your onsite resources and schedule for modernization. Please contact your local office to learn more about Sustain Support.

Topics

- DeltaV Operate for PROVOX Console Configuration
- Control Desktop Configuration Software with ENVOX
- PROVOX Basic Point Configuration

Advanced PROVOX System Configuration Using Control Desktop and DeltaV Operate

Course 5397 CEUs: 3.2

This course is for configuration personnel responsible for configuration of the advanced function of the SR90/SRX controller and the DeltaV Operate for PROVOX operator interface using ENVOX P5.0/Control Desktop.

Overview

This 4-1/2 day course teaches students advanced configuration of the DeltaV Operate for PROVOX and the SR90/SRX Controller. At the completion of this course, the student will be able to:

- create and modify Loops, Cascade pairs, Advanced DCD's and Group points
- create Function Sequence Tables (FST's) and Logic Control Points
- utilize Trace Tune Utility Program to troubleshoot FST Programs
- use DeltaV Configure and run modes to create and test more advanced operator displays

Prerequisites

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Topics

- Advanced Point Configuration
- Logic Control Points
- Loop Points
- Enhanced DCD's
- DeltaV Configure
- Advanced Scripting and Dynamo Creation

Introduction to PROVOX System Configuration Using ENVOX on a DEC-Based Platform

Course 5160 CEUs: 3.2

This course is for process control engineers, senior maintenance technicians, and supervisory personnel responsible for specifying and configuring a PROVOX system using ENVOX on a DEC-Based Platform. This course will include the basic configuration for the PROVUE console and an SR90/SRX controller.

Overview

This 4-1/2 day course teaches the base configuration of a PROVOX console and controller using ENVOX configuration software. A controller containing Data Acquisition Points, DCD's and loop points will be created. The student will also configure a functional PROVUE Console including displays, PMA's, and PPA's, using ENVOX configuration software. Students who complete this course will be able to:

- perform PROVUE Console operations
- use the ENVOX software to create, modify, and document the PROVOX database elements
- create, generate and download an IFC/UOC, SR90/SRX
- create, modify, and delete Data Acquisition, DCD and Loop Points
- create, generate and download a basic PROVUE Console configuration containing PPA's and PMA's, and basic displays

Prerequisites

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Topics

- PROVUE Console Configuration
- Envov Configuration Software
- Provox Basic Point Configuration

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PROVOX Continuous Control Configuration Using ENVOX

Course 5360 CEUs: 3.2

This course is designed for process control engineers, maintenance engineers, and operations personnel responsible for the configuration of a PROVUE Operations Console, SR90/SRX Controller, using ENVOX on a DEC-Based Platform.

Overview

This 4-1/2 day course teaches students advanced configuration of the PROVUE Operations Console and the controller used for continuous process control. At the completion of this course, students will be able to:

- perform advanced PROVUE Console point operations with multiple PPAs, PMAs, and alarm priorities
- create and modify a Cascade Loop, advanced DCDs, and Group Point
- create Function Sequence Tables (FSTs) and Logic Control Points (LCPs)
- create and download an advanced PROVUE Console configuration
- utilize Trace/Tune software to troubleshoot FST programs
- use the display editor to create basic and advanced displays
- create Console Reports

Prerequisites

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Topics

- Advanced Point Configuration
- Logic Control Points
- Cascade Loop Control
- Advanced Display Creation

Introduction to PROVOX System Configuration Using ENVOX and Operator Workplace

Course 5170 CEUs: 3.2

This course is designed for process control engineers, senior maintenance technicians, and supervisory personnel responsible for specifying and configuring an OWP based PROVOX DCS Operations Console and controller. This course will include the basic configuration for the operator workplace console (OWP) and an SR90/SRX controller using ENVOX on a DEC-Based Platform.

Overview

This 4-1/2 day course teaches the base configuration of an OWP and controller using ENVOX configuration software. A controller containing Data Acquisition Points, DCD's and loop points will be created. The student will also configure a functional Operator Workplace Console including displays, PMA's, and PPA's using ENVOX configuration software. Students who complete this course will be able to:

- perform OWP console operations
- use the ENVOX software to create, modify, and document the PROVOX database elements
- create, generate and download an IFC/UOC controller
- create, modify, and delete Data Acquisition, DCD and Loop Points
- create, generate and download a basic OWP configuration containing PPA's, PMA's and basic displays

Prerequisites

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Topics

- OWP Console Configuration
- ENVOX Configuration Software
- PROVOX Basic Point Configuration

PROVOX Continuous Control Configuration Using ENVOX and Operator Workplace

Course 5370 CEUs: 3.2

This course is designed for process control and maintenance engineers, and operations personnel responsible for the configuration of an Operator Workplace Console and IFC/UOC SR90/SRX Controller using ENVOX on a DEC-Based Platform.

Overview

This 4-1/2 day course teaches students advanced configuration of the OWP Console and the controller used for continuous process control. At the completion of this course, students will be able to:

- perform advanced OWP Console point operations
- create and modify Cascade Loops, advanced DCDs, and Group Points
- create Function Sequence Tables (FSTs) and Logic Control Points (LCPs)
- create and download an advanced OWP Console configuration
- utilize Trace/Tune software to troubleshoot FST programs
- use the display editor to create basic and advanced displays
- create Console Reports

Prerequisites

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Topics

- Advanced Point Configuration
- Logic Control Points
- Cascade Loop Control
- Enhanced DCDs
- Intelligent Device Interface (Optional)
- Advanced Display Creation

PROVOX Batch Control Configuration Using ENVOX for PROVUE, DeltaV Operator for PROVOX Console and/or Operator Workplace Console

Course 5290 CEUs: 3.2

This course is designed for process control and maintenance engineers, and operations personnel responsible for the configuration of a fully functional Unit Operations Controller and operator interface.

Overview

This 4-1/2 day course will concentrate on the batch functionality for the SR90/SRX controller. The console resident activity point will also be covered. At the completion of this course the student will be able to:

- configure Operations and Unit Points to control a batch process
- create Procedures, Point Sets and Console Activity Points
- create console Batch End Reports
- perform advanced scripting for the PROVOX Operator Console

Prerequisites

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Topics

- Unit and Operation Configuration
- Multiple Units and Operations
- Activity and Procedure Configuration
- Point Sets and Acquire Sets for Parallel Processes
- Batch End Reporting

PROVOX Systems Hardware and Troubleshooting

Course 5503 CEUs: 5.3

This course is for those responsible for the hardware/troubleshooting of PROVOX system.

Overview

This 7-1/2 day hands-on course covers hardware/troubleshooting of the data highway, console, and SRx, Controller with serial I/O using ENVOX diagnostic tools.

Prerequisites

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Topics

- Hardware/Troubleshooting of:
 - PROVOX Data Hwy II;
 - Control (serial) I/O Hardware; - Intelligent Device Interface (IDI); - SRx Controllers;
 - PROVOX Operations (POC) Console;
 - DC Power System; ENVOX Diagnostics; Downloading/Databases; Communications (PROVOX & Ethernet)

Sustain Support - PROVOX

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