

COURSE DESCRIPTION

A continuation of ControlWave® Designer Fundamentals, this course focuses on networking and communications. Students will program the ControlWave to communicate to other devices in a network, as well as transfer and receive signal lists using serial and IP communications. Other application software will be utilized to configure, establish, and debug communications with these devices.

Students will learn the advanced methods of communicating to Bristol devices using Client/Server modules, and to MODBUS protocol devices using custom function blocks.



Ensuring customer confidence through knowledge of Bristol® and ControlWave® products and applications.

COURSE FEATURES

- Master how to establish Ethernet/IP communications using ControlWave Designer
- Learn to program polling and data transfers in a BSAP and I/O environment
- Understand how to use the NetView utility for defining a hierarchical network of ControlWave controllers
- Understand the configuration of communication via other protocols such as MODBUS

WHO SHOULD ATTEND

- Personnel responsible for the establishing of communication interfaces to ControlWave Automation products

PREREQUISITES

- Successful completion of course #441, ControlWave Designer Fundamentals
- Participants must have a strong working knowledge of personal computers and Windows 2000/ XP or later version
- Participants should have a strong working knowledge of their application/process

REGISTRATION

To register for this training course, complete the enrollment application on our website: www.EmersonProcess.com/Remote.

For further information for classes in Watertown, Orlando, custom classes, or general training info:

Evelyn Bellefeuille
Watertown, CT
1-860-945-2343 or
1-800-395-5497 toll free within the United States

COURSE AGENDA

DAY 1

- NetView configuration
- Establishing a network using NetView
- Configuring polling time messages
- Communication Port configurations:
 - Master Port • Custom Port
 - User Mode • I/P

DAY 2

- Creating sample project load
- Configuring system variables affecting communications
- Creating separate resource configurations for debugging
- Creating Signal List using DB_Load and Variable Extension Wizard
- Transferring Signal Lists between ControlWaves, using CLIENT and SERVER function blocks and serial connections

DAY 3

- Programming for data transfer using I/P connections
- Communicating to other Bristol devices in a BSAP protocol network
- Configuring, establishing, and debugging communications

DAY 4

- MODBUS protocol – Master/ Slave/ Serial and I/P data transfer
- Dial up and radio connections
- Advanced programming techniques

DAY 5

- Debugging and troubleshooting
- Establishing user libraries