Course Overview

Course number: TPS-4770
Course length: 5 days

Need to Provide On-Going Maintenance Support for Your Local Control Network (LCN) and Its Nodes?

This course provides students with the skills to maintain and support the LCN and its primary nodes. Hands-on lab exercises enable students to familiarize themselves with the hardware and software components of the LCN and its nodes by assembling the various LCN node components, determining correct part numbers, verifying hardware and firmware revision levels of circuit boards and by powering up and loading the LCN nodes. In addition, students utilize system documentation and built-in diagnostic displays and tools to aid in troubleshooting instructor-installed LCN-based problems.

Course Benefits

Builds confidence in supporting your TotalPlant Solution (TPS) system

- Students will more effectively and efficiently identify problems with their LCN system
- Students gain preventative maintenance and troubleshooting techniques
- Hands-on lab exercises reinforce and solidify skills

Course Delivery Options

- In-Center Instructor-Led Training
- On-Site Instructor-Led Training

Who Should Take This Course?

TotalPlant Solution System (TPS) customers

- Who have responsibility for maintaining the Local Control Network (LCN) and its nodes
- Requiring skills to determine LCN system health and to diagnose and troubleshoot problems with the LCN and its nodes

Prerequisite/Skill Requirements

Prerequisite Course (s)

- None

Required Skills and/or Experience

- None

Desirable Skills and/or Experience

- Field experience in the process control industry

Course Topics

You will learn how to…

- Use Knowledge Builder on-line documentation
- Assemble the various LCN node hardware components including NIMs, HGs, PLCG/EPLCGs, CMs, NGs, and GUS nodes, and US Stations
- Assemble, checkout and load a complete LCN system
- Interpret the TPS system Configuration Utility (GUS only)
- Utilize and interpret system maintenance-oriented features such as the Status displays, journals, LCN diagnostic displays and Perfmenu displays
- Use Emulated Disks (GUS only) and the Command Processor for LCN file manipulation
- Recognize and interpret system alarms
- Troubleshoot the History Module and other LCN nodes
- Set up a Preventative Maintenance Procedure

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit https://www.honeywellprocess.com/.