TPS: Fundamentals – LCN and Advance Cable Maintenance

Course Overview
Course number: TPS-0014
Course length: 4.5 days

This course is designed for personnel who already have a fully implemented TPS system and will only be responsible for maintaining the LCN. This course provides skills to identify LCN hardware, troubleshoot and resolve errors, perform preventive maintenance on the LCN, and use a TDR (Tektronix 1503C). LCN/GUS operations and system implementation training is not included in this course.

Course Benefits
• Allows you to focus your training on the maintenance of the LCN
• Become familiar with LCN hardware
• Assemble, Load & Checkout an LCN System
• Respond to System Alarms
• Gain the basic skills to troubleshoot the LCN
• Troubleshoot the History Module (HM)
• Perform Preventative Maintenance
• Troubleshoot LCN Cables

Course Delivery Options
• In-Center Instructor-Led Training

Who Should Take This Course?
TPS Customers
• Who need to concentrate their efforts strictly on maintenance of the LCN
• Who already have a fully-implemented TPS network and will be responsible for only maintenance issues
• Who do not need LCN/GUS operations and system implementation training

Prerequisite/Skill Requirements
Prerequisite Course(s)
• (TPS-0004 or TPS-0004-AT or TPS-0004-FT) or
• (TPS-0005 or TPS-0005-AT or TPS-0005-FT)

Required Skills and/or Experience
• Knowledge of TPS system operations and navigation

Desirable Skills and/or Experience
• Familiarization with own plant’s process control environment

Course Topics
• System Architecture Overview
• Identify Five-Slot and Dual-Node Chassis
• Identify Universal Station (US) Hardware
• Identify Hardware & Troubleshoot History Module (HM)
• GUS Hardware Familiarization
• Assemble, Load & Checkout an LCN System
• Use TPS GUS Configuration Utility
• System Maintenance Operations for a GUS
• Respond to System Alarms
• Troubleshooting the LCN
• Using the TPS Command Processor
• Perform Preventative Maintenance
• Use a TDR (Tektronix 1503C)
• Perform LCN Node Memory Dump

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

For more information and registration, visit www.honeywellprocess.com/en-US/training.