Course Overview
Course number: EXP-1021
Course length: 5 days

Need to understand installation, migration, and troubleshooting basic concepts and actions necessary for a TPS/TDC3000 connected to Experion® PKS/Experion LCN Systems?

This course provides participants with the information and ability to install, migrate and troubleshoot both the hardware and software of an Experion PKS/Experion LCN system integrated with a TPS/TDC3000 System with HPM/EHPM Controllers, ELMM, TCMI. Also, a review of all possible different migration scenarios is included.

- Participants will be introduced to the architecture of the Experion PKS system with connection options to the TDC LCN system. Included are best practices and migration tips
- Participants will be introduced to the advanced architecture of the Experion PKS-TPS system with new Experion LCN components like ELCN Bridge, UEA Based ELCN nodes, Virtual ELCN nodes and EUCN (ENIM/EHPM) along with Enhanced TPS-Nodes (ETN), ELMM and TCMI (Triconex)
- Participants will gain valuable skills through hands on migration of HPM points to C300’s Control Modules, CL programs to Custom Algorithm Block (CAB’s), and US-GUS graphics to HMIWeb displays. Diagnosing the problems encountered along the way and an overview of troubleshooting resources available in the system
- Participants will learn basic concepts of HPM to EHPM and NIIM to ENB/ENIM Software/Hardware Migration (Off Process/On Process Migration) along with HG to EHB Migration concept
- Students study in a Team System Environment -- three students per team. Hands-on lab exercises and videos comprise 60 % of the course
- Each Team System Environment includes a Domain Controller, redundant ESVT nodes, ACE-T node, EST node, OPC Server, redundant HPM controllers, HC900 SCADA controller and redundant C300 controllers with Series C and PM I/O modules

Course Benefits
Builds confidence in migrating and maintaining your System

- Gain knowledge on migrating your TPS/TDC system to Experion PKS/Experion LCN
- Learn common problem causes and resolutions
- Explore migration paths from HPM to EHPM or C300 controllers using the existing PM I/O modules
- Explore AM CL migration to C300 and ACE-T Sequential Control Modules and Custom Algorithm Blocks

Course Delivery Options
- In-Center Instructor-Led Training

Who Should Take This Course?
Primarily intended for engineers and Technicians who integrate/migrate LCN nodes into an Experion system and will be responsible for planning, installing, supporting and administering the Honeywell Experion LCN.

Prerequisite/Skill Requirements
Prerequisite Course(s)
- TPS-0005

Required Skills and/or Experience
- Attendees of this course must possess a high degree of technical knowledge and a familiarity with the LCN and Experion process control systems

Desirable Skills and/or Experience
- Working knowledge of Windows Server 2016 or Windows 10
Course Topics

Experion PKS-TPS Integration Overview:
- Database Overview
- Migration Scenarios
- xPM to EHPM Migration (Off Process Migration)
- HPM to EHPM Migration ELCN (On Process Migration)
- Experion-TPS Configuration
- Migrate xPM to C300
- Migrate HG to EHB
- Migrate LM to ELMM
- Migrate FSC to SM
- Migrate Triconex to TCMI
- Migrate TPS AM to Experion ACE
- Migrate TPS Graphics to Experion
- ELCN Overview

Additional Training

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