Honeywell Academy

HONEYWELL AUTOMATION CERTIFIED PROFESSIONAL: EXPERION PKS – SERVER ENGINEERING

COURSE OVERVIEW

Course Number: HACP–EXPSE
Course Duration: 10 Days

Prerequisite Course (s): HACA–EXP

This course contains approximately 80 hours of learning and hands-on exercises and equips participants with the necessary skills to perform various tasks related to the Experion PKS System. These tasks include planning the system, configuring the Server, and setting up the Fault Tolerant Ethernet, SCADA Points, Alarms, Alarm Groups, and Reports etc. The course also includes practical exercises where participants will learn how to plan, install, configure, and administer the Experion PKS system.

Moreover, participants will gain insight into the overview of VMware virtualization and ESXi Architecture. They will also understand Experion PKS topologies in the virtual environment.

COURSE DELIVERY OPTIONS

- Asynchronous Training (AT)
  - ➢ Self-paced with 2 months to complete
- Instructor-Led Training (ILT)
- Virtual Instructor-Led Training (VILT)

CERTIFICATION EXAM

- Exam enrollment within 2 weeks after course completion

COURSE LANGUAGES

- English

COURSE OBJECTIVES

- Identify the databases in the Experion System
- Introduction to Enterprise and Asset Model
- Flex Stations and Report printers
- Explain Station specific and Server wide settings
- SCADA controller components and connections
- Assets and Operators
- Explain how to configure a console
- Explain Alarm Rationalization and routing
- Configure Alarm Shelving mechanism
- List Report types and its configuration
- Identify history archive and configuration options
- Identity Event Archiving and configuration options
- Explain Groups and Trends
- Alarm Group Configuration
- Dynamic Alarm Suppression
- Alarm Tracker usage
- Types of Users and Groups
- Configure EPKS Operator/Station security
- Configure Experion Server Redundancy
- Explain the function of the Domain controller
- Installation and Configuration of FTE
- Install and Configure Experion PKS Server
- Install and Configure Console station
- Configure Network Time Protocol (NTP)
- Configure Network Equipment
- Configure High security
- Overview and use of Diagnostic Studio
- Configure Experion Back and Restore
- Basics of Virtualization
- System Architecture of Virtual Environment
- Virtual machine operations

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