

EXPERION PKS: FUNDAMENTALS – BASIC NETWORKING CONCEPTS AND FTE IMPLEMENTATION

COURSE OVERVIEW

Course Number: EXP-1015

Course Duration: 3 Days

Prerequisite Course (s): None

This course provides participants the ability to perform the following related to implementation of FTE:

- Understand basics of networking
- Understand process control network
- Understand Honeywell FTE solution
- Configure network switches for FTE
- Prepare nodes for installing FTE
- Configure and troubleshoot FTE network

The course presents the concepts of networking and guidelines needed to implement FTE.

Demonstration videos will include configuring network switches for FTE and installing and configuring FTE software.

COURSE DELIVERY OPTIONS

- Asynchronous Training (AT)
 - Self-paced with 10 days to complete

COURSE OBJECTIVES

- Basics of networking
- Network Topologies
- Types of network cables and connectors
- Understand basic operation of various network components and devices
- Understand spanning tree protocol
- Overview of:
 - Network protocols
 - OSI model
 - Network services
 - WAN and VLAN Topologies
 - Securing Network
 - Troubleshooting Utilities
 - IEEE 802 Standard
 - IP Addressing and Subnetting
- What is a process control network?
 - Introduction to Honeywell Experion process control network
- Introduction to Fault Tolerant Ethernet
- Considerations for planning FTE system
- Introduction to software and hardware components of FTE
- Introduction to Virtualization
- FTE Switch Configuration Tool
- Configuration of switches to support FTE
- Installation of FTE Software
- Configuration of Honeywell FTE Mux Driver
- Troubleshoot FTE network