

TPS: **FUNDAMENTALS –** **HIWAY MAINTENANCE**

COURSE OVERVIEW

Course Number: TDC-512

Course Duration: 5 Days

Prerequisite Course (s): None

This course provides knowledge on the basic system topology from the Global User Station (GUS) or Universal Station (US) through to the Hiway network using redundant Hiway Gateways (HG).

Basic Controller (CB), Process Interface Unit (PIU), Multifunction Controller (MC) and Advanced Multifunction Controller (AMC), and Uninterrupted Automated Controller (UAC) are covered during this course.

This is the prerequisite for further in-depth system implementation, operation, or configuration training on either Hiway or UCN controlled from LCN or Experion levels.

COURSE DELIVERY OPTIONS

- Instructor-Led Training (ILT)

COURSE OBJECTIVES

Basic Controller Maintenance:

- Identify system components including the CB, the Hiway Traffic Director (HTD) and the Uninterrupted Automatic Controller (UAC)
- Identify, calibrate, and operate the Analog Display
- Operate control loops, cascades and the HTD
- Troubleshoot CB

Process Interface Unit Maintenance:

- Identify High Level Process Interface Unit (HLPIU) hardware
- Operate HLPIU points
- Troubleshoot HLPIU

Multifunction Controller Maintenance:

- Identify system components including MC and UAC
- Identify MC
- Identify, calibrate, and operate the Analog Display
- Troubleshoot MC
- Use MC Hiway commands

Advanced Multifunction Controller Maintenance:

- Identify AMC hardware
- Identify redundant AMC hardware
- Operate MC/AMC points
- Troubleshoot AMC
- Use redundant AMC Hiway commands