Course Overview

Course number:  TPS-PT075
Course length:   2 days

This competency based course is designed for current DCS Operators who are converting to LCN and require training in Generic LCN and UCN Operations. Areas of emphasis include information about the architecture of a typical LCN system and the operational effects that the hardware choices have upon the process under control.

Course Benefits

- The course covers general LCN and UCN Operations specifically for DCS Operators

Course Delivery Options

- In-Center Instructor-Led Training
- On-Site Instructor-Led Training

Who Should Take This Course?

Attendees should be qualified process operators, electrical/instrument trades people or engineers.

Prerequisite/Skill Requirements

**Prerequisite Course (s)**
- None

**Required Skills and/or Experience**
- None

**Desirable Skills and/or Experience**
- Attendees should have gained experience in the operation of Screen-based DCS, preferably using BOS or EOS on Honeywell TDC 2000 Basic Hiway Systems

Course Topics

- Given a Universal Station (US) or Global User Station (GUS) loaded with the Operator or Universal Personality, be able to use the Group and Detail displays to determine a point’s mode, alarm limits, operating limits and ranges
- Given a Universal Station (US) or Global User Station (GUS) loaded with the Operator or Universal Personality, be able to perform point operations including changing setpoints, outputs, modes and building a group
- Given a Universal Station (US) or Global User Station (GUS) loaded with the Operator or Universal Personality, be able to call up a Custom Display and perform mode, SP and output changes
- Given a Universal Station (US) or Global User Station (GUS) loaded with the Operator or Universal Personality, be able to perform the following Process Alarm operations:
  - Identify Process Alarms
  - Determine the location of Process Alarms
  - Respond to a Process Alarm by calling up a display from which corrective action can be taken
  - Respond to System Messages by calling up the Message Summary display and acknowledging, confirming and clearing the messages
- Be able to recognise and interpret the following System Alarm displays and annunciator devices:
  - Key Lamps
  - Annunciators (horns)
  - Console Status Display
  - System Status Display
  - Colour/Alarm priorities (standard and custom)
- Given a Universal Station (US) or Global User Station (GUS) loaded with the Operator or Universal Personality, be able to perform the following Trend operations:
  - Call up Hourly Averages Display
  - Trend a point from a Group Display
  - Call up a point from a preconfigured Group Trend
  - Delete a point from a preconfigured Group Trend
- Set high and low range of a Group Trend
- Assign points to Trend Pens
- Change the high and low limits of a Trend Pen
- Calibrate a Trend Pen

Additional Training

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

For more information and registration, visit https://www.honeywellprocess.com/.