

PROFIBUS Certified DP/PA Class (DPPA-CNE-I)

Class Syllabus

PROFIBUS Overview

- Protocol Positioning
- Bus Access
- Multi-Master Systems
- Functionality & Protocol Structure of devices
- DP & PA Commonality and Features

PROFIBUS DP Network Setup & Debug

- Installation & Wiring – Copper
- Network Configuration
- Bus Timing
- Alternative Media

DPV0 Telegrams Overview

- Telegram Format
- Master & Slave Interactions
- Class 1 and Class 2 Masters

PROFIBUS Bus Monitor

- DPV0 Telegrams In-Depth
- Telegram Details
- PROFIBUS Startup Procedure
- Diagnostics

PROFIBUS System Troubleshooting

- Monitoring, Tracing, Triggering, Filtering In-Depth

DPV1 Telegrams Overview

- Telegram Formats
- Alarms
- Master & Slave Interactions

PROFIBUS PA

- PA Overview
- PA Wiring and Installation
- PA Network Design

PA Profiles

- Profile Mode
- PA Engineering Tools – PactWare, PDM
- PA Troubleshooting

Agenda

Day 1

Afternoon: Technical learning & exercises (DP)

Day 2

All day: Technical learning & exercises (DP)

Day 3

Morning: PROFIBUS DP exam

Afternoon: Technical learning & exercises (PA)

Day 4

All day: Technical learning & exercises (PA)

Day 5

Morning: PROFIBUS PA exam

These classes are intensive, hands-on, four-day training programs conducted by the PROFIBUS Interface Center (PIC). Attendees passing the tests will receive an official PROFIBUS Certified Network Engineer Certificate, as well as a PROFIBUS Certified Installer Certificate and 24 PDH hours.



Find course dates
and register at
us.profinet.com