

M403 DCI System 6 Basic Hardware Maintenance with Conductor NT Overview and Configuration

Course Description



Course Duration

The duration is 5 days.

Course Goal

This course has two main goals: First, teach students the basics of Harmony DCU3200 maintenance, troubleshooting, and repair. Second, teach students Conductor NT features related both to maintenance and operations and to configure those features.

Student Profile

This course is recommended for engineering level or high-level maintenance DCI System 6 support personnel responsible for DCI system maintenance and console level support.

Prerequisites and Recommendations

M401 DCI Standard Controlware II Configuration and basic DCI System 6 experience.

Description

In this course, students will learn the basics of DCI System 6 hardware including architecture, troubleshooting, licensing, system restarts, backup/restore, and power failure options. Additionally, students will learn the features of ConductorNT with Harmony DCU3200 that assist with system

maintenance along with the features used for operation and engineering. Configuration of these features, such as alarms, graphics, trends, history, system security, etc., is also covered.

Course Objectives

Upon completion of this course, students will be able to:

- Identify major components of DCI System 6
- Identify hardware and system fault conditions
- Perform basic diagnostics using standard system tools
- Identify current software revision levels and license keys
- Save and upgrade system software
- Restart the Harmony DCU3200
- Understand alarm and event presentation and features
- Manage Login accounts and security
- Collect data using Excel reporting with live and/or historical data
- Configure trending
- Set up and assign printers
- Configure graphics and Submodels.



Course Calendar

Day 1	Day 2	Day 3	Day 4	Day 5
<ul style="list-style-type: none"> • DCU Control Logic Overview • Review of DCU Controlware II • Review of DCU CCL • Review of DCU Data Dictionary • Review typical control logic 	<ul style="list-style-type: none"> • DCI Hardware Overview <ul style="list-style-type: none"> • Hardware and Architecture • Network Assignment Table • Licensing <ul style="list-style-type: none"> • DCU • Conductor NT • Diagnostics and Troubleshooting <ul style="list-style-type: none"> • System Level • Board Level • Loading ALD Files • Starting the DCU • Fault Response and Power Recovery 	<ul style="list-style-type: none"> • Console Overview <ul style="list-style-type: none"> • User Interface • Conductor NT Features <ul style="list-style-type: none"> • Logging in/out • Display types <ul style="list-style-type: none"> • Graphics • Trends • Summary • Group • Point • Alarm/Event/Message • Utilities • System and User Help • Quick and Context keys 	<ul style="list-style-type: none"> • Console Configuration <ul style="list-style-type: none"> • Alarm Organization • Security • Areas • Hierarchical Displays • Historical Data • Trending • Logs • Printer Assignment • Messaging • Quick and Context keys 	<ul style="list-style-type: none"> • Console Configuration <ul style="list-style-type: none"> • Graphx Display Editor • Graphics • Submodels

