ABB UNIVERSITY COURSE DESCRIPTION

US943
Advanced Harmony Diagnostics and Performance Fingerprint

Learn about the architecture of an Infi-90 system and how communication is made. Learn how to interpret Infi-90 diagnostics and troubleshoot performance issues on a Harmony system. Learn how to use data and analysis tools to create a Harmony Fingerprint report.

Course type and methods
This is an instructor led workshop with short presentations and demonstrations, extended exercises, and hands-on sessions and discussion.

Student Profile
This course is for ABB personnel who install, commission, support, and maintain Infi-90 control systems.

Prerequisites
Before attending this course, students must have:
• Successful completion of ABB University Courses M111 or M211, plus the M202.
• At least 1 year of field experience working with Infinet systems.

Course objectives
Upon completion of this course the participants will be able to:
• Explain the physical architecture of an Infi-90 system
• Explain message flow and error checking.
• Identify the cause of common problems based on symptoms.
• Obtain Infi-90 diagnostic data from various sources.
• Explain the various key performance indicators based on the diagnostic data collected.
• Collect and analyze diagnostic data and create a Infi-90 performance fingerprint report.
• Troubleshoot common Infi-90 system problems.
• Be able to create a Harmony Fingerprint report and discuss with a customer

Main topics
• Infi-90 Architecture and Communication
• Time Synchronization
• Troubleshooting Strategies and Flow
• Diagnostics Sources
• Diagnostic Utilities
• Key Performance Indicators
• Harmony Fingerprint Service
• Troubleshooting and Remediation

Duration
The duration is 5 days.
## Course Outline

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To register, contact the North America Customer Service Center or visit us online ABB Inc.
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