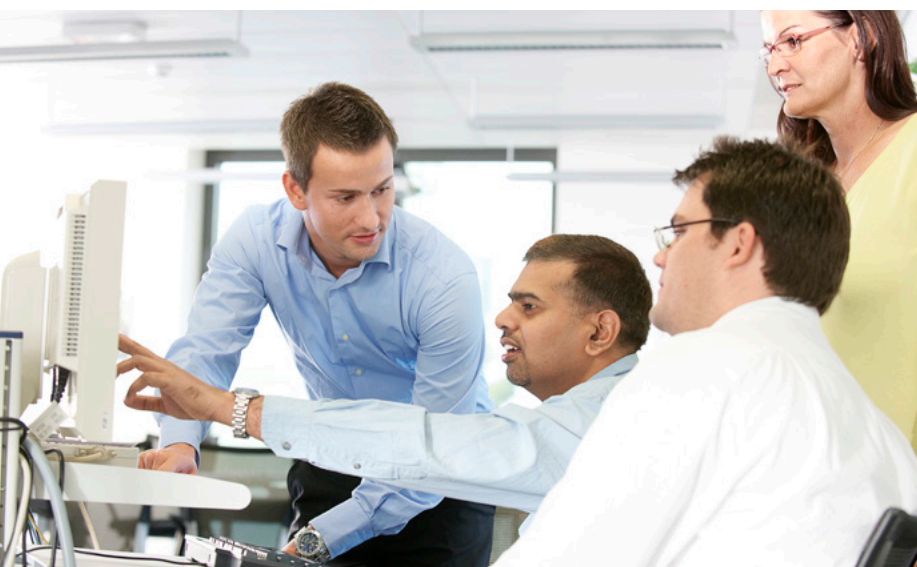ABB

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 a 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

Day 1	Day 2	Day 3	Day 4	Day 5
• Infinet Architecture and communication	• Infinet troubleshooting strategies • Infinet diagnostic sources	• Infinet diagnostic utilities • Infinet Performance	• Harmony Fingerprint	• Troubleshooting and Remediation