**US925**

# Cyber Security Services for ABB Automation Systems Patch Management, Antivirus, and Disaster Recovery



Learn manual and automated methods for patch management, antivirus, and software backup and recovery on a variety of ABB control systems. Learn how to choose the appropriate method for the system.

**Course type and methods**
This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab.

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

**Prerequisites**
Students should have good working knowledge of Windows 7/8.1, Windows Server 2008/2012 R2, TCP/IP Networks, and Microsoft Active Directory administration and troubleshooting. Successful completion of ABB University Courses NA939 and NA940 meets these prerequisites.

**Course objectives**
Upon completion of this course the participants will be able to:
- Identify the ABB Approved Security Updates and Antivirus Definitions for ABB control systems
- Install Approved Updates manually
- Install an Automated Patch Management System
- Manually Install and Configure McAfee Antivirus
- Install a Centralized Antivirus Solution
- Design a Software Backup Strategy for an ABB Control System
- Identify ways to test backups

**Main topics**
- ABB Security Workplace Tool
- 800xA Security Update Tool
- WSUS Offline Tool
- Manual updates for other ABB systems
- Microsoft WSUS configuration
- McAfee VirusScan Enterprise configuration
- McAfee Centralized ePO configuration
- ABB Control System Backup Strategy
- Application backups
- Acronis and Dell AppAssure Products
- Microsoft Windows backup and recovery
- Malware Detection and Forensics

**Duration**
The duration is 5 days

**Course Outline**

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
|---|---|---|---|---|
| • Manual methods for Microsoft Updates<br>• Automated methods for Microsoft Updates | • Antivirus Installation and Configuration<br>• Centralized Antivirus Management | • Application Backup Strategies<br>• Disk Imaging | • Testing Backups<br>• Disaster Recovery Strategy | • Malware Detection and Forensics |

3BUS095727C