

T710e-16

System 800xA User Certification – Basic Level Hardware Maintenance and Troubleshooting

Certification Goal

The goal of this assessment is to certify the students on basic level- System 800xA in Hardware Maintenance and Troubleshooting.

Upon passing the exam, the students will demonstrate a comprehensive understanding of System 800xA engineering using AC 800M and shall receive their basic level certification.

Certification Type and Methods

This is a web-based assessment, accessible through the ABB Learning Management System (LMS). The assessment includes a set of multiple choice questions covering some / all of the topics discussed in the classroom training.

Participant Profile

This assessment is targeted to first level maintenance personnel and/or service engineers.

Prerequisites

Students should know the fundamentals of working with Control Systems and have basic knowledge of Microsoft Windows 7.

Students must either have completed the T308 classroom training or have knowledge and experience associated with the content of this course.

Duration

The duration of the course is 40 minutes.



Assessment Topics

- Course introduction
- System 800xA architecture
- Operation
- AC 800M hardware
- Controller preparation
- Control Builder overview
- Plant Explorer Workplace
- Hardware troubleshooting
- Search and navigation
- Signal tracing in Function Block Diagram
- Signal tracing in Structured Text
- Signal tracing in Control Modules
- Signal tracing in Sequential Function Charts
- Signal tracing in Function Designer
- MMS Communication
- Signal tracing from 800xA Workplace

Results

Once the test is completed, the results are calculated and displayed based on the performance.

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