

T710e-12

System 800xA User Certification – Basic Level HI Safety Engineering

Certification Goal

The goal of this assessment is to certify the students on basic level- System 800xA in HI Safety Engineering.

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 system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

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 T309 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
- Functional safety introduction
- Safety standards
- SIL levels
- AC 800M HI hardware
- Hardware configuration
- Controller settings
- SIL marked applications for:
Emergency Shutdowns / Burners
- Access management
(modify parameters, download applications etc.)
- Communication between SIL applications
- Fire & Gas application and Partial Stroke testing
- Maintenance and troubleshooting
- Redundancy

Results

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

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