

AB to S7 Migration Engineering (US-S7AB7P1A)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

4.5 Days
3 CEUs

Target Group

- Engineer
- Maintenance

Short Description

This course is for experienced AB engineers and maintenance staff who are migrating systems to Siemens SIMATIC S7 PLC family and STEP7 engineering software. Users should have Allen-Bradley PLC5 with RSLinx or RSLogix expertise.

This course agenda acknowledges the automation experience of the students and delivers must-know information for systems migration to S7. Taught by an applications engineer experienced with A-B products, software and applications, this course moves engineers, or high-level maintenance staff quickly into the power of STEP7. A variety of real-world solutions and key AB functionality is compared, contrasted, and demonstrated in this course. Multiple S7 program editors are presented demonstrating the flexibility and fully integrated features of STEP7.

Objectives

- Use the engineering tools of STEP7
- Program using the multiple address types
- Use symbolic addressing
- Create, document, test and troubleshoot an application program
- Create custom code blocks
- Structure a program that can use a program block multiple time
- Use the data access functions
- Program using the processed analog values
- Generate data blocks

Content

- SIMATIC S7 verses AB Overview
- Memory Allocation and Symbolic Addressing
- Hardware Assignments
- Structured Programming
- Program Editors / Instruction Set
- Timers and Counters
- Analog Handling
- PID Loops and Advanced Instructions
- Debug, Test and Documentation
- Project Integration

Language

English

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