

SIMOTION System Programming

General Information

Course Code: SCT-DVSMOP1A
Length: 4½ Days

Audience

This course is for SIMOTION system developers and users who are responsible for creating, commissioning, or maintaining SIMOTION based motion control systems.

Prerequisites

- SIMOTION System Course

Profile

2.9 CEUs (Continuing Education Credits)

This course enables the participant to structure, generate and put in operation complex SIMOTION control program using MCC-charts and Structured Text. Examples of different applications user programs will be generated, and ways of structuring programs will be shown. The focus lies on programming with Structured Text, Ladder and MCC.

Objectives

Upon completion of this course, the student shall be able to:

- Create programs in Structured Text, Ladder, and MCC
- Use commands for motion control within the user program
- Assign programs to execution system
- Create structures and subprograms (FC and FB)
- Use system functions
- Use function blocks of certain libraries
- Use variables and data structures
- Use tools for testing and diagnosis of the program

Topics

1. System Design Functionality
2. Programming
3. Structured Text
4. POS Axis Output CAM
5. Gear CAM
6. Libraries