Course description

G192
ACSM1 solution program composer hands-on

Course type
This is a classroom course with hands-on lab activities supported by an instructor. Before this course the theory based e-learning courses G063e, G190e_a and G192e need to be studied.

Course Duration
The course duration is 1 day.

Course Goal
The goal of this course is to teach students to program, adjust, operate ABB drives with Solution program Composer.

Student Profile
This course is intended for motion control orientated electricians, technicians, and engineers who use Solution program Composer.

Prerequisites
- Basic knowledge of electronics
- Experience in using a Windows PC
- E-learning courses G063e, G192e and G190e or G190e_a.

Please refer to the accompanying figure for course names and durations.

Description
This course contains hands-on exercises with ACSM1. After first exercise student may select following exercises according to own interest. This course belongs to a learning path that may utilize blended learning. Please see the accompanying figure of possible learning paths.

Course Objectives
Upon completion of this course, students will be able to:
- Program and test ABB drives with SPC applications

Main Topics
- Solution Program Composer basic features
- Reading values with SPC
- Motor potentiometer
- Start alarm
- Parameter handling
- Speed trim
- D2D link
Day 1

08:30  Course Information
08:45  SPC presentation
09:30  Coffee break
09:45  Exercises
12:00  Lunch
12:45  Exercises
14:00  Coffee break
14:15  Exercises
16:00  End of the course
**ACSM1**

**Learning paths**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Duration</th>
<th>Course name</th>
</tr>
</thead>
<tbody>
<tr>
<td>G190e</td>
<td>3 hours</td>
<td>ACSM1 Machinery Drive Fundamentals for Service Internet course</td>
</tr>
<tr>
<td>G190</td>
<td>1 day</td>
<td>ACSM1 Machinery Drive Startup &amp; Service Hands-On Training</td>
</tr>
<tr>
<td>G195e</td>
<td>1 hour</td>
<td>Motion Control Basics Internet course</td>
</tr>
<tr>
<td>G191e</td>
<td>1 hour</td>
<td>ACSM1 Machinery Drive Motion Control Features Internet course</td>
</tr>
<tr>
<td>G192e</td>
<td>1 hour</td>
<td>ACSM1 Machinery Drive Solution Programming Internet course</td>
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</tbody>
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* The duration of the Internet courses depends on personal professional background and study pace