Course Description
AC LVD System Integrator School (US053)

The AC Products Systems Integrator training program provides participants comprehensive training on the configuration and use of ABB AC drives with a specific focus on our Industrial Drives products. This curriculum combines both web based learning modules and instructor led classroom training to maximize benefits to participants.

These schools are held at the ABB New Berlin, Wisconsin Training Center. Schools are subject to certain limitations (i.e. pre-requisites, minimum class size, equipment availability, etc.). Access www.abb-drives.com or contact your local ABB Sales Representative for more details.

Enrollment is limited. To ensure timely processing of your enrollment, we recommend that you enroll at least 30 days prior to the class scheduled date.

Course Duration
The duration is 5 days with all students attending the 3 day “core” program. Specific Application “tracks” will be offered consecutively thereafter. An optional additional 3 day course is also offered for individuals requiring Systems Integrator training on Multi-Drives. This additional course is offered on a limited basis. Contact your local ABB Sales Representative for additional information.

Course Type
The course utilizes both web-based and instructor-led training with application exercises and hands-on lab activities to accomplish learning objectives.

Course Goals
Provide attendees the necessary information, tools, and training to be able to select, configure, and apply ABB Low Voltage Drives in areas of their application and industry expertise. In addition participants will attain understanding how best to leverage the broad range of resources and tools available from ABB.

Student Profile
This training is for authorized ABB Low Voltage Drives System Integrator personnel with specific responsibility for system design, configuration, integration, and commissioning using AC Low Voltage Drives.

Prerequisites and Recommendations
Students should have:
- An understanding of industrial applications (AC Drives)
- Basic knowledge of how to design and integrate drive systems
- Completed required web based training modules and pre-tests

Note: Prior approval from Application Engineering required before enrolling in “Crane/Hoist Application Track”

A Lap Top PC (Windows-based) should be brought to class preferably with Drives Window loaded. Additional PC Software may be provided.

Course Objectives
Upon successful completion of this course and post-course skills evaluation, students will:
- Have a general understanding of ABB’s broad Low Voltage Drives Product Offering
- Be able to design and start up systems that utilize ABB AC Industrial Drives Products
- Understand how to size peripheral components and design an AC drive system
- Be authorized for use of ABB AC Industrial Drives application software application modules they have completed training on
- Gain working knowledge of how to utilize communications capabilities of ABB AC Industrial Drives including a general knowledge base in PLC/drive communications
  - (Ethernet, DeviceNet, Profinet and other field buses)

Course Schedule
See back of page.
## Course Description
### AC LVD System Integrator School (US053)

### Course Schedule

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
</tr>
</thead>
</table>
| Doing Business with ABB | ACS800 Training, Capabilities Definition, Labs | ABB Low Voltage Drives Competitive Capabilities | System Application Software Training | Application Training Students continue the track they started the previous day & Choose one of the following:
- AC Winders
- Crane & Hoist (Approval Req’d)
- Intelligent Pump Control Software |
| Web Tools and Resources ACS55, ACS150, ACS350 Product Overview ACS550 Training and Labs ACS800 Introduction | Low Voltage Drives Application Design Considerations | Drive Communications and Software Tools Certified Start-Up Training | Application Training Students choose one of the following:
- AC Winders
- Crane & Hoist (Approval Req’d)
- Intelligent Pump Control Software |
| | | | | |

### Optional Multi-Drive Training
**Note:** (the following week)

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overview of Multi-Drives and related products Hardware Specifications, Design, Considerations</td>
<td>Multi-Drive Configuration, Set Up, Considerations, Labs</td>
<td>ABB Multi-Drive Capabilities ABB Low Voltage Drives Competitive Capabilities</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drive Communications and Software Tools Web Tools and Resources Refresher</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Doing Business with ABB Refresher</td>
</tr>
</tbody>
</table>