Course Description

AR101
OPC MOD300 - Datalink - Modbus

Course Goal
The goal of this course is to learn how to install, configure and maintain OPC servers to handle communications between a MOD 300 system and a Modbus interface.

Course Objectives
Upon completion of this course students will be able to:
- Install Windows Professional OS with the requirements for OPC connectivity software
- Install RTA boards for DCN communication
- Install and set up services for OPC for MOD300
- Configure and operate OPC client tools to visualize OPC data and monitor the status of the databases
- Configure the OPC servers to establish the communication between a DCN and a Modbus net
- Save, edit and load configurations

Student Profile
This training is targeted to application engineers, project engineers and system integrators.

Prerequisites and Recommendations
Students shall know the fundamentals of configuring and operating a Windows system.

Main Topics
- OPC basic concepts
- DCN characteristics
- Modbus connections

Course Duration
The duration is 5 days.
Course Description
AR101
OPC MOD300 - Datalink - Modbus

Course Schedule

<table>
<thead>
<tr>
<th>Dia 1</th>
<th>Dia 2</th>
<th>Dia 3</th>
<th>Dia 4</th>
<th>Dia 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Overview</td>
<td>Installation of OPC for MOD 300</td>
<td>Installation of OPC for MODbus</td>
<td>Installation of OPC Data Manager</td>
<td>Maintenance</td>
</tr>
<tr>
<td>Installation and configuration of Windows 2000 Professional SP2</td>
<td>Configuration of OPC for MOD 300</td>
<td>Configuration of OPC for Modbus</td>
<td>Configuration of OPC Data Manager</td>
<td>Troubleshooting</td>
</tr>
<tr>
<td>Introduction to OPC</td>
<td>Operation of OPC for MOD 300</td>
<td>Operation of OPC for Modbus</td>
<td>Operation of OPC Data Manager</td>
<td></td>
</tr>
<tr>
<td>Introduction to DCN rings</td>
<td>Configuration of OPC Explorer</td>
<td>Operation of OPC Explorer</td>
<td>Operation of OPC Data Manager</td>
<td></td>
</tr>
<tr>
<td>Introduction to Modbus protocol</td>
<td>Configuration of a remote client</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ABB S.A
Automation Technologies – Process Automation
José I Rucci 1051
Buenos Aires, Argentina
Phone: +54 11 4229 5500
Fax: +54 11 4229 5636
E-Mail: abb.argentina@ar.abb.com
www.abb.com/abbuniversity