

## SIEMENS SOGI TRAINING

### A. Bay Level Schedule

**Created by:**

	Day 1 (Sept 18, 2020)	Day 2 (Sept 21, 2020)	Day 3 (Sept 22, 2020)	Day 4 (Sept 23, 2020)	Day 5 (Sept 24, 2020)
<b>09:00 – 10:30</b>	- Opening session - Training schedule overview	- Siprotec-5 Concept - Digi-5 installation - Introduction New Project with Training System Architecture	Digi-5_Details (Operating parameter 3) - Bay Control device Configuration (6MD8)	Digi-5_Details (Operating parameter 3) - OCR/ GFR Protection Device Configuration Parameter (7SJ8)	- Feeder Protection Device Configuration Parameter (7SA8)
<b>10:30 – 10:45</b>	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
<b>10:45 – 12:00</b>	- Bay Level Configuration - Portfolio Siemens Protection	Digi-5_Details (Operating parameter 1) - Digi-5 Windows Introduction	- Network Configuration - Masking I/O - Display Editor	- Differential Protection Device Configuration Parameter (7UT8)	- Busbar Protection Device Configuration Parameter (7SS8)
<b>12:00 – 13:00</b>	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
<b>13:00 – 14:00</b>	- Control & Protection System	Digi-5_Details (Operating parameter 2) - Creating New Project	- CFC Function and Configuration	- Digi-5 All Mode Application	- Busbar Protection Device Configuration Parameter
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## SIEMENS SOGI TRAINING

### A. Bay Level Schedule

**Created by:**

	Day 6 (Sept 25, 2020)	Day 7 (Sept 28, 2020)			
09:00 – 10:30	- Process data Analysis (SIGRA)	- Goose Application configuration from Digi-5			
10:30 – 10:45	Coffee break	Coffee break			
10:45 – 12:00	- Creating IEC 61850 Station - Introduction for System Configuration Software	- Interlocking and Inter-tripping Via IEC 61850			
12:00 – 13:00	Lunch break	Lunch break			
13:00 – 14:00	- Creating SCD, ICD, IID, Report	- Interlocking and Inter-tripping Via IEC 61850 Test			
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- **Note: Schedule will be adapted with exist device IED on site**

## SIEMENS SOGI TRAINING

### B. Station Level Schedule

**Created by:**

	Day 8 (Sept 29, 2020)	Day 9 (Sept 30, 2020)	Day 10 (Oct 01, 2020)	Day 11 (Oct 02, 2020)	Day 12 (Oct 05, 2020)
<b>09:00 – 10:30</b>	<ul style="list-style-type: none"> <li>- Opening session</li> <li>- Training schedule overview</li> <li>- <b>Substation Automation Introduction Station Level</b></li> <li>- Overall Station Level/Topology</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Networking</b></li> <li>- Basic Networking</li> <li>- Creating Network Topology</li> <li>- Assign IP Address to Device</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Station Level Software Installation</b></li> <li>- Operating System/User Administration Prepare</li> <li>- SICAM PAS Installation/Licensing</li> </ul>	<ul style="list-style-type: none"> <li>- <b>SICAM PAS Section-1: Create New Project</b></li> <li>- Creating SICAM PAS Project Structure</li> <li>- Creating &amp; Manage SICAM PAS Interfacing</li> </ul>	<ul style="list-style-type: none"> <li>- <b>SICAM PAS Section-2: Database Import</b></li> <li>- Import IEC 61850 Station Configuration Description *SCD</li> <li>- Update IEC 61850 Station Configuration Description</li> </ul>
<b>10:30 – 10:45</b>	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
<b>10:45 – 12:00</b>	<ul style="list-style-type: none"> <li>- Operating System Compatibility</li> <li>- SICAM PAS Introduction</li> <li>- SICAM SCC Introduction</li> </ul>	<ul style="list-style-type: none"> <li>- RSG2100/Ethernet Switch Setting via Hyper terminal App</li> <li>- RSG2100/Ethernet Switch Setting via Browser</li> </ul>	<ul style="list-style-type: none"> <li>- SIMATIC WinCC Installation/Licensing</li> </ul>	<ul style="list-style-type: none"> <li>- Creating SICAM PAS Project Topology</li> <li>- Archive/De-archive SICAM PAS Project</li> </ul>	<ul style="list-style-type: none"> <li>- Import IEC 61850 Configured IED Description *CID</li> <li>- Update IEC 61850 Configured IED Description *CID</li> </ul>
<b>12:00 – 13:00</b>	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
<b>13:00 – 14:00</b>	<ul style="list-style-type: none"> <li>- SIMATIC WinCC Introduction</li> <li>- Discussion</li> </ul>	<ul style="list-style-type: none"> <li>- RSG2100/Ethernet Switch Setting via Telnet</li> <li>- Discussion</li> </ul>	<ul style="list-style-type: none"> <li>- SICAM SCC Installation/Licensing</li> <li>- Discussion</li> </ul>	<ul style="list-style-type: none"> <li>- Compressing Database</li> <li>- Discussion</li> </ul>	<ul style="list-style-type: none"> <li>- Delete Unused Database/IED Database</li> <li>- Discussion</li> </ul>
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## SIEMENS SOGI TRAINING

### B. Station Level Schedule

Created by:

	Day 13 (Oct 06, 2020)	Day 14 (Oct 07, 2020)	Day 15 (Oct 08, 2020)	Day 16 (Oct 09, 2020)	Day 17 (Oct 12, 2020)
09:00 – 10:30	- SICAM PAS Section-3: Database Management - Filter Database - Mapping Database IED - Mapping Database SCC	- SICAM PAS Section-4: Database Export - SICAM SCC Interface Database Export - Redundancy	- SIMATIC WinCC Section-1: Create New Project - Create New Project	- SIMATIC WinCC Section-2: Create User Interface - Design User Interface	- SIMATIC WinCC Section-3: Manage Alarm Logging - Management Alarm Logging - Assign/Customize Alarm
10:30 – 10:45	Coffee break	Coffee break	Coffee break	Coffee break	
10:45 – 12:00	- Mapping Database SCC - Mapping Database RCC/SCADA	- SICAM SCC Data Object - Creating Logical Connection SICAM PAS Data Object with SIMATIC WinCC	- Configure New Project - User Administration	- Create Object for User Interface - Create Graphic Logic	- Create Object for Alarm - Setting Alarm Priority
12:00 – 13:00	Lunch break	Lunch break	Lunch break	Lunch break	
13:00 – 14:00	- SCADA Simulation - Discussion	- Import/Update SICAM SCC Data Export - Discussion	- Running Test New Project - Discussion	- Create Object for Control System - Discussion	- Setting Alarm Priority - Export Alarm Logging - Discussion
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## SIEMENS SOGI TRAINING

### B. Station Level Schedule

**Created by:**

	Day 18 (Oct 13, 2020)	Day 19 (Oct 14, 2020)	Day 20 (Oct 15, 2020)		
09:00 – 10:30	- SIMATIC WinCC Section-4: Manage Tag Logging - Management Tag Logging	- SIMATIC WinCC Section-5: Redundancy Project - Duplicate Project	- Manage Overall Update/Backup Project - Update IED Device - Update SICAM PAS Project - Update Database SICAM PAS with copy (redundant SICAM PAS system)		
10:30 – 10:45	Coffee break	Coffee break	Coffee break		
10:45 – 12:00	- Manage Setting Tag Logging - Create Object for Measurement Tag Logging	- Setting Project for Redundant System	- Update SICAM SCC & WinCC Project - Duplicate Project WinCC		
12:00 – 13:00	Lunch break	Lunch break	Lunch break		
13:00 – 14:00	- Export Tag Logging Data - Discussion	- Redundancy Test/Checking - Discussion	- Backup Project - Discussion - Closing Training		
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- **Note: Schedule will be adapted with practice time of the training participant on site**