



## APP 3530: SEL-3530 Real-Time Automation Controller (RTAC)

APP 3530 is designed to be highly interactive and activity-based. Each section of this course will guide you through configuring a realistic communications scheme using the SEL-3530 RTAC.

### Objectives

At the conclusion of this course, students can:

- Describe the expectations of modern integrated protection and control systems.
- Describe system applications.
- Configure the web interface for reading status and alarm logs from the RTAC.
- Efficiently manage the RTAC settings and database for common integration needs.
- Identify and properly configure DNP3, SEL, and Modbus protocol application settings.
- Establish transparent communications to connected IEDs.
- Create advanced logic processing functions with the IEC 61131-3 programming language.
- Manage security and logic settings for NERC CIP requirements.
- Configure the HMI for status and control.

### Course Information

November 12–14  
8:00 a.m.–5:00 p.m.  
SCPPA Training Center, 1172 Nicole Ct, Glendora, CA 91740

### Register

[events.scppa.org/APP3530\\_11192019](https://events.scppa.org/APP3530_11192019)  
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### Agenda

#### Day 1

- Product and Automation Overview
- Initial Setup and Security
- acSELERATOR RTAC® SEL-5033 Software Overview
- RTAC DNP/IP Client/SEL-351S Server
- RTAC Modbus TCP Client/SEL-351S Server

#### Day 2

- RTAC SEL Protocol Client/SEL-351S Server
- RTAC-Tunneled Relay Engineering Access
- RTAC Time Synchronization and SOE Logging
- MIRRORRED BITS® Communications and IEC 61131-3 Introduction
- RTAC IEEE C37.118 Client/SEL-351S Server
- RTAC IEC 61131-3 User Logic

#### Day 3

- RTAC DNP/IP Server or RTAC Modbus TCP Server
- RTAC Human-Machine Interface (HMI)