



# 8th Annual SUBNET of Things Users Group (2016) Technical Training Agenda

Day	Track	Start Time	End Time	Code	Title	Focus	Product or Solution	Level	SubSTATION Server	SubSTATION Explorer	SubSTATION Studio	PowerSYSTEM Center	Description	Job Title	Job Function
Monday	Track 1	1:30 PM	2:30 AM	201	Track 1	Foundation	Product	Beginner	✓	✓			Installing and effectively maintaining and upgrading substation software, including best practices and recommended processes.	Field Technicians and Maintenance	Substation Installation and Commissioning
Monday	Track 2	10:00 AM	11:00 AM	202	Track 2	Foundation	Product	Beginner				✓	Installing and effectively maintaining and upgrading PowerSYSTEM Center, including best practices and recommended processes.	Field Technicians and Maintenance	Substation Installation and Commissioning
Monday	Track 1	8:30 AM	9:30 AM	221	Engineering and Configuration - Introduction to SubSTATION Server 2	Automation	Product	Beginner	✓				Walk through a sample substation configuration in SubSTATION Server 2.	System Engineering	SCADA configuration
Monday	Track 1	10:00 AM	11:00 AM	222	Engineering and Configuration - Introduction to SubSTATION Explorer 2015	Automation	Product	Beginner		✓			Walk through a sample substation HMI design in SubSTATION Explorer 2015.	System Engineering	HMI design
Monday	Track 1	11:30 AM	12:30 PM	223	Engineering and Configuration - Introduction to SubSTATION Studio 2015	Automation	Product	Beginner			✓		An introduction to creating and editing configurations in SubSTATION Studio 2015.	System Engineering	SCADA configuration
Monday	Track 2	8:30 AM	9:30 AM	231	Engineering and Configuration - Introduction to PowerSYSTEM Center	CIP	Product	Beginner				✓	Walk through a sample substation managed in PowerSYSTEM Center.	System Engineering	CIP security configuration/engineering
Monday	Track 1	3:00 PM	4:00 PM	311	Engineering and Configuration - Historical Data	Assets and Analytics		Intermediate	✓				An introduction to SUBNET's new historical data storage and trending solutions, including PI and eDNA integration.	System Engineering	SCADA configuration
Thursday	Track 2	8:30 AM	9:30 AM	321	Engineering and Configuration - IEC 61850 Integrations	Automation		Intermediate	✓		✓		An introduction to IEC 61850 concepts, and how SUBNET supports multivendor integration in IEC 61850 projects.	System Engineering	SCADA configuration
Thursday	Track 1	8:30 AM	9:30 AM	331	Engineering CIP 5 Solutions part I - Controls, Personnel, and the Electronic Security Perimeter	CIP		Intermediate	✓	✓	✓	✓	A discussion on how SUBNET's product offerings help user meet the requirements of CIP sections 003, 004, and 005.	Engineering Standards	CIP security configuration/engineering
Thursday	Track 1	10:00 AM	11:00 AM	332	Engineering CIP 5 Solutions part II - Systems Security Management and Recovery Plans	CIP		Intermediate	✓	✓	✓	✓	A discussion on how SUBNET's product offerings help user meet the requirements of CIP sections 007 and 009.	Engineering Standards	CIP security configuration/engineering
Thursday	Track 1	11:30 AM	12:30 PM	333	Engineering CIP 5 Solutions part III - Configuration Change Management	CIP		Intermediate	✓	✓	✓	✓	A discussion on how SUBNET's product offerings help user meet the requirements of CIP section 010.	Engineering Standards	CIP security configuration/engineering
Thursday	Track 2	10:00 AM	11:00 AM	401	Standards and Design - Integrating SUBNET with Business Intelligence Systems	Foundation		Advanced	✓	✓	✓	✓	Explore SUBNET's external interfaces, including SQL Server Reporting Services, ODBC and OPC, and others.	Engineering Standards	Advanced design
Monday	Track 2	11:30 AM	12:30 PM	402	Advanced Design – PowerSYSTEM Center Infrastructure	Foundation		Advanced				✓	Explore the IT foundations of PowerSYSTEM Center	System Engineering	Advanced design
Thursday	Track 1	1:30 PM	2:30 AM	411	Advanced Design – Data Portals in PowerSYSTEM Center	Assets and Analytics		Advanced				✓	Using PowerSYSTEM Center to integrate external components such as SubSTATION Explorer diagrams, PI web parts, Bing maps, and so on.	System Engineering	Advanced design
Thursday	Track 1	3:00 PM	4:00 PM	412	Advanced Design – Custom Dashboards in PowerSYSTEM Center	Assets and Analytics		Advanced				✓	Bring dynamic life to your key performance indicators with custom dashboards in PowerSYSTEM Center.	System Engineering	Advanced design
Thursday	Track 2	11:30 AM	12:30 PM	421	Effective Automation Standards and Design part I – Device Templates	Automation		Advanced	✓		✓		Easily create and manipulate devices via SubSTATION Studio's template capabilities.	Engineering Standards	SCADA configuration
Thursday	Track 2	1:30 PM	2:30 AM	422	Effective Automation Standards and Design part II – Automapping	Automation		Advanced	✓		✓		Simplify substation configuration by automatically mapping data to slave/server applications with Studio's powerful automapping engine.	Engineering Standards	SCADA configuration
Thursday	Track 2	3:00 PM	4:00 PM	423	Effective Automation Standards and Design part III – HMI Stencils	Automation		Advanced	✓	✓	✓		How to use SubSTATION Explorer stencils to design, maintain, and manage your HMIs with ease.	Engineering Standards	HMI design
Monday	Track 2	3:00 PM	4:00 PM	431	Standards and Design - Workflow Automation in PowerSYSTEM Center	CIP		Advanced				✓	Leverage PowerSYSTEM Center to manage and maintain all of your SUBNET substation software products, and create a central control point for all of your total device management processes.	Engineering Standards	CIP security configuration/engineering
Monday	Track 2	1:30 PM	2:30 AM	432	Standards and Design – The PowerSYSTEM Center Security Model	CIP		Advanced				✓	A deep dive into PowerSYSTEM Center's flexible and powerful security model.	Engineering Standards	CIP security configuration/engineering