

WG/SC	MONDAY JANUARY 14, 2019	Chair	Est	Room (Cap)
	MONDAY 8:00 – 5:00			
	MONDAY 8:00 – 9:15AM			
PSCC P5	Recommended Practice for Network Communications in Substations (IEEE P1615)	Easley	20	REGAL, S. TOWER
PSCC S10	Study Group on Utility & municipality challenges on understanding cybersecurity standards	Wallace/Formea	30	IMPERIAL, S. TOWER
	MONDAY 9:30 AM – 10:45 AM			
PSCC S6	Standards for integrating Home Automation IoT to Power Utilities Communication System	Lacroix	30	REGAL, S. TOWER
	CIGRE WGs B5.66/D2.46 (Double Session 1 of 2)	Holstein	25	ROYAL B
	MONDAY 11:00 – 12:15 PM			
x H38*	Design and Implementation of Time Synchronization Distribution Systems for Substation Automation (P2030.101)	Bougie	25	REGAL, S. TOWER
PSCC S1 WG*	Revision of IEEE 1686 IED Cyber Security Capabilities	Lacroix	20	SEVILLE, S. TOWER
	CIGRE WGs B5.66/D2.46 (Double Session 2 of 2)	Holstein	25	ROYAL, B.
	MONDAY 12:15 – 1:30 PM			
	Lunch on your own			
	MONDAY 1:30 – 2:45 PM			
B2/PSCC A2 TF	(By Invitation only) Fellows Awards- (Joint with PSCC A2 TF)	Dickerson/Henville	15	REGAL, S. TOWER
x H46	Recommended Practice for Human-Machine Interfaces (HMI) used in Utility Automation Systems (PC37.13)	Black	20	IMPERIAL, S. TOWER
PSCC S2*	Serial SCADA Protection Protocol (SSPP) (IEEE P1711.1) Guide for using Secure SCADA Communications Protocol (SSCP) and Serial SCADA Protection Protocol (SSPP) (IEEE P1711)	Cenzon	20	SEVILLE, S. TOWER
	MONDAY 3:00 – 4:15 PM			
ICAP	ICAP Synchrophasor (C37.118) Conformity Assessment Steering Committee (SCASC)	Goldstein	30-40	ROYAL C
	(By Invitation only) PSRC Officer / SC Chair Coordination Meeting	Patterson	30	ROYAL B
B8	(By Invitation only) PSRC Long Range Planning WG	Mysore	20	IMPERIAL, S. TOWER
B1	(By Invitation only) Awards and Recognition Working Group	Monterrubio	20	ROYAL D
PSCC S3*	Interoperability of IPSEC Utilized within Utility Control Systems (P2030.102.1)	Bougie	30	REGAL, S. TOWER
	MONDAY 4:30 – 5:45 PM			
x K18*	PC37.108 IEEE Guide for the Protection of Secondary Network Systems	Mulawarman	25	IMPERIAL, S. TOWER
PSCC P10*	IEEE Standard for Streaming Telemetry Transport Protocol (IEEE P2664)	K. Martin	20	REGAL, S. TOWER
PSCC S5*	Extensions to Cyber Security Requirements for Substation P&C Systems (PC37.240)	Kunsmann	40	ROYAL D
	MONDAY 6:00 – 7:00 PM CASH BAR RECEPTION Location:			
PSCC	Power System Communications and Cybersecurity Committee Newcomer's Orientation	Fodero	60	REGAL, S. TOWER
PSCC A1 TF	(By Invitation only) PSCC A1 TF Awards N/A	Monterrubio	25	ROYAL D
	MONDAY 7:00 PM – ? Location:			

	WG/SC	TUESDAY JANUARY 15, 2019	Chair	Est	Room (Cap)
TUESDAY 8:00-9:15 AM					
1	B3	Power System Relaying and Control Committee Newcomer's Orientation	Yalla	15	ROYAL C
2	C36	Develop IEEE Transactions Paper Development from C2 report: Role of Protective Relaying in the Smart Grid	Apostolov	20	VALENICA, S. TOWER
3	C31	IEEE Guide for Protection System Redundancy for Power System Reliability	Ward	50	ROYAL E & F
4	H6	IEC61850 Application Testing	Sufana	25	REGAL, S. TOWER
5	I35	PC37.2 Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations	Dood	20	IMPERIAL, S. TOWER
6	J17	Revision PC37.102, Guide for AC Generator Protection (Double Session 1 of 2)	Das, M.	40	ROYAL A
7	PSCC P11	Cloud Computing uses and Requirements by Electric Power Utilities	Cease	20	SALON II, N. TOWER
8	SC&WG*	Standard's Coordination: all WG & SC Chairs with a PAR Req'd. to Attend	Lukach	20	MADRID, S. TOWER
9	ICAP	COMTRADE Conformity Assessment Program	Z. Makki	20	SEVILLE, S. TOWER
TUESDAY 9:30-10:45 AM					
1	C32	Protection Practices for Interconnecting Solar or Other Inverter Based Generation to Utility Transmission Systems	Nagpal	60	ROYAL C
2	H32	Performance Requirements for Teleprotection over Ethernet	Fodero	25	VALENICA, S. TOWER
3	D28	Revision of C37.230 Guide for Protective Relaying Appl. to Distribution Lines	Boysen	40	ROYAL E/F
5	I27	Investigation of Protective Relay Self-Monitoring Capabilities	Moxley	30	MADRID, S. TOWER
6	I32	A Survey of Protective System Test Practices	Uribe	20	SEVILLE, S. TOWER
7	J17	Revision of PC37.102, Guide for AC Generator Protection (Double Session 2 of 2)	Das, M.	40	ROYAL A
8	PSCC S9	Study Group on Utility IT-OT Cybersecurity Challenges in Roles and Terminology	Kunsmann/Smith	30	SALON VI, N. TOWER
9	PSCC P12	Analog Leased Lines End-of-Life and Migration Report	Palmer	20	SALON II, N. TOWER
10	HTF48	Education/Outreach for Synchronized Measurements	Dickerson	25	IMPERIAL, S. TOWER
11	J18	Penetration of Renewable Energy Resources and the Impact to Synchronous Generators	Fisher	20	ROYAL B
TUESDAY 11:00 AM -12:15 PM					
1	C28*	C37.242 IEEE Guide for Synchronizing, Calibration, Testing, and Installation of PMUs	Goldstein	20	VALENICA, S. TOWER
2	C30	Microgrid Protection Systems	Higginson	50	ROYAL C
3	D40	Manage the Development of Line Protection Topics	Barsch	40	ROYAL A
4	ITF42	Scope Revision and Naming of the Subcommittee	TBD	10	SEVILLE, S. TOWER
5	H27*	Standard File Format for IED Configuration Data (COMSET)	Capuzzo	20	IMPERIAL, S. TOWER
6	I4	International Standards Development [IEC Advisory] WG	Udren	15	REGAL, S. TOWER
7	I26	Mathematical Models of Instrument Transformers	Meisinger	30	ROYAL E & F
8	J16	Revision of PC37.101, Guide for Generator Ground Protection	Klingerman	35	ROYAL B
9	I33	Review of Relaying Testing Terms	A. Makki	20	MADRID, S. TOWER
10	K10	SCC21 Distributed Resources Standard Coordination	Kazmier	20	GRANADA, S. TOWER
11	PSCC S11	Task Force on Developing Cyber Services Standard Documents (e.g., syslog, SNMP)	Laughner	20	SALON II, N. TOWER
TUESDAY 12:15 - 1:30 PM - Lunch on your own					
TUESDAY 1:30 - 2:45 PM					
1	C25	Protection of Wind Electric Plants	Best	30	ROYAL B
2	C26*	Revision of IEEE C37.233, Power System Protection Testing Guide	Ware	40	ROYAL A
3	D41	Coordination of Activities that Impact Line Protection Due to Increasing Penetration of Inverter-Based Sources	Voloh	30	SEVILLE, S. TOWER
4	D37	Report on Impact of Series Compensation on Transmission Line Protection	Kockott	30	ROYAL E & F
5	H30	IEC 61850 User Feedback	Maragal	25	REGAL, S. TOWER
6	KTF25	PC37.99 IEEE Guide for the Protection of Shunt Capacitors	Kao	25	IMPERIAL, S TOWER
7	I36	Review of C37.90.2 - Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers	Pond	20	MADRID, S. TOWER
8	J12	Improved Generator Ground Fault Protection Schemes	Finney	30	VALENICA, S. TOWER
9	K22*	PC37.234 IEEE Guide for Protective Relaying Applications to Power System Buses	Bapary	50	ROYAL C
10	PSCC P9*	Revision of C37.118.2	Gharpure	35	SALON VI, N. TOWER
11	PSCC S7*	Electrical Power System Cyber Device Function Numbers, Acronyms, and Designation	Wallace	20	SALON II, N TOWER
TUESDAY 3:00 - 4:15 PM					
1	C19*	PC37.247 IEEE Standard for Phasor Data Concentrators	Gharpure	20	VALENICA, S. TOWER
2	C38*	Guide for the Design of Microgrid Protection System	Venkata	40	ROYAL C
3	D30	Tutorial on Application & Setting of Distance Elements for Transmission Line Events with Distorted Waveforms	Zimmerman	30	ROYAL B
4	H35	XML Translation for COMTRADE	Adamiak	20	SEVILLE, S. TOWER
5	H44	Monitoring and Diagnostics of IEC 61850 GOOSE and Sampled Values Based Systems	Martin, A.	25	REGAL, S. TOWER
6	I30*	Revision of C37.235 Guide for the Application of Rogowski Coils Used for Protective Relaying Purposes	Kojovic	10	MADRID, S. TOWER
7	ITF40	Review of IEEE C37.90.1 - Standard for Surge Withstand Capability (SWC) Tests for Relays and Relay Systems Associated with Electric Power Apparatus	Burnworth	20	IMPERIAL, S. TOWER
8	J19	IEEE Standard C37.106 Guide for Abnormal Frequency Protection for Power Generating Plants	Chowdhury	30	ROYAL E & F
9	KTF26	PC37.109 IEEE Guide for the Protection of Shunt Reactors	Garg	25	ROYAL A
10	PSCC P2*	PSCC P2* Electric Power Systems Communications - Distributed Network Protocol (DNP3) (IEEE 1815)	Farguharson	20	SALON II, N. TOWER
TUESDAY 4:30 - 5:45 PM					
1	C24	Modifications to Fault Study Programs for Wind Turbine Generators	Brahma	30	ROYAL A
2	D29	Tutorial on Setting Impedance-Based PSB and OOST Functions on TL	Jones	40	ROYAL C
3	H41*	Revision of IEEE 1646 Communication Delivery Time Performance Requirements	Holstein	25	VALENICA, S. TOWER
4	I29*	Revision of C37.110 Guide for the Application of Current Transformer for Protective Relaying Purposes	Valenzuela	30	ROYAL B
5	I37	Review of C37.90 - Standard for Relays and Relay Systems Associated with Electric Power Apparatus	Bolado	20	SEVILLE, S. TOWER
6	J14	Plant Protection Issues Associated with Black Starting of generators	Ruckman	30	ROYAL E & F
7	K17	GMD Geomagnetic Disturbance	Qiu	30	ROYAL D
8	PSCC P3*	Exchanging Information Between Networks implementing IEC 61850 and IEEE Std 1815 (DNP3) (IEEE 1815.1)	Farguharson	20	SALON II, N TOWER
9	C39	Testing Guide for Automatic Voltage Control Systems in Regional Power Grids	TBD	25	IMPERIAL, S. TOWER
10	PSRC/NERC	PSRC/NERC "The Way Forward for Systems with Low Short Circuit Strength" By Invitation Only	Pratap	20	REGAL, S. TOWER
TUESDAY 6:00 - 7:00 PM					
B #		(By Invitation only) PSRC Advisory Committee	Patterson	30	ROYAL A
PSCC A0 #		(By Invitation only) PSCC Administrative (A0)	Fodero	20	SALON II, N TOWER
H3*		Time tagging in Protection and Disturbance Recording IED's -Conference Paper Prep	Dickerson	15	SEVILLE, S. TOWER

	WG/SC	WEDNESDAY JANUARY 16, 2019	Chair	Est	Room (Cap)
WEDNESDAY 8:00 – 9:15 AM					
1	C33*	Support for WG-P2004 * Recommended Practice for Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls (Needs Web access)	Ouellette	20	MADRID, S. TOWER
2	D34	Coordination With IEC 60255-187-3 Functional Spec for Line Current Differential Requirements	Fischer	30	ROYAL B
3	D35	Evaluation of Transmission Line Pilot Protection Schemes	Gamble	40	ROYAL E & F
4	H40*	Recommended Practice for Databases Used in Utility Automation Systems	Bougie	25	VALENICA, S. TOWER
5	C29	Testing Out of Step Impedance Characteristics for Lines and Generators	Malson	30	GRANADA, S. TOWER
6	I31*	IEEE 1613 Standard for Environmental and Testing Requirements for Devices Installed in Transmission and Distribution Facilities	Mugalian	40	ROYAL A
7	I38	Review of IEEE C37.92 - Standard for Analog Inputs to Protective Relays From Electronic Voltage and Current Transducers	Frye	20	IMPERIAL, S. TOWER
8	J5	Application of Out-of-Step Protection Schemes for Generators	Thakur	20	SEVILLE, S. TOWER
9	K16	PC37.91 Revision of IEEE Guide for Protecting Power Transformers	English	50	ROYAL C
10	PSCC S8*	Testing Power System Cybersecurity Controls (P2658)	Wallace	30	SALON II, N. TOWER
11	HTF50	Requirements for Time Sources in Protection and Control Systems	Bougie	25	REGAL, S. TOWER
WEDNESDAY 9:30-10:45 AM					
1	C35	Paper Development for C37.246 Guide for Protection Systems of Transmission-to-Generation Interconnections	Deronja	20	MADRID, S. TOWER
2	HTF47	Impact of Digital Communications on Protection and Control	Kanabar	30	ROYAL B
3	D39	Revise C37.104, IEEE Guide for Automatic Reclosing of Circuit Breakers for AC Distribution & Transmission Lines	Patel	40	ROYAL A
4	H22	Guide for Cyber Security for Protection Related Data Files	A. Makki	20	IMPERIAL, S. TOWER
5	H45	PC37.300 Guide for Centralized Protection and Control (CPC) Systems within a Substation	R. Das	40	ROYAL C
6	J13	Modeling of Generator Controls for Coordinating Generator Relays	Gers	40	ROYAL E & F
7	K11	Open Phase Detection for Nuclear Generating Stations	Sufana	30	VALENCIA, S. TOWER
8	PSCC P8	Standard Mapping between C37.118 and IEC 61850-90-5	Hu	20	SALON VI, N. TOWER
9	HTF 49	Tutorial on the Use of Packet-Switched Communication Channels for Protection and Control	Ward	25	GRANADA, S. TOWER'
10	B10	(By Invitation Only) IBR Steering WG	Patterson		SALON II, N. TOWER
11	H11	Synchrophasor Standard Working Group*	Martin, K.	20	REGAL, S. TOWER
WEDNESDAY 11:00 AM –12:15 PM					
1	C23	Coordination of Synchrophasor Related Activities	Patel	20	MADRID, S. TOWER
2	CTF34	PES/ NERC Joint Effort to Prepare a Report on Inverter-Based Short Circuit Current Impacts	Jones	40	ROYAL A
3	D38	Impact of High SIR on Distance Relaying	Walker	40	GRAND G
4	H31	Models of Protection and Protection-Related Functions	Maragal	25	VALENCIA, S. TOWER
5	I2	Terminology Usage Review	Swanson	20	ROYAL E & F
6	ITF41	Review of IEEE C37.90.3 - IEEE Standard Electrostatic Discharge Tests for Protective Relays	Turner	25	ROYAL C
7	K24	Summary Paper for PC37.245, Guide for the Ap. of Protective Relaying for Phase Shifting Transformers	Davies	25	REGAL, S. TOWER
8	J15	Investigation of the Criteria for the Transfer of Motor Buses	Hartmann	30	ROYAL B
9	K12	P1032 Guide for Protecting Transmission Static VAR Compensators Joint w/ Subst I9 I9 & K12 need to be in the same room	Samineni	20	SEVILLE, S. TOWER
10	PSCC S4*	Secure SCADA Communications Protocol (SSCP) (P1711.2)	Mix	20	SALON II, N. TOWER
11	C21*	IEEE Guide for Engineering, Implementation and Management of System Integrity Protection Schemes (PC37.250)	Hu	20	IMPERIAL, S. TOWER
WEDNESDAY 12:15 – 1:30 PM Lunch on your own					
WEDNESDAY 1:30- 2:45					
	H	Relay Communications Subcommittee Meeting	Antonova	60	ROYAL E & F
	K	Substation Protection Subcommittee Meeting 2 hand held microphones needed	Barsch	60	ROYAL C
WEDNESDAY 3:00 – 4:15					
	D	Line Protection Subcommittee Meeting 2 hand-held microphones needed	Zimmerman	60	ROYAL E & F
	J	Rotating Machinery Subcommittee Meeting	Finney	60	ROYAL C
	PSCC P0	PSCC Protocols and Communication Architecture Subcommittee	Benou	60	ROYAL B
WEDNESDAY 4:30 – 5:45					
	C	System Protection Subcommittee Meeting	Henneberg	60	ROYAL E&F
	I	Relay Practices Subcommittee Meeting	Uribe	60	ROYAL C
	PSCC S0	Cybersecurity Subcommittee Meeting	Kunsman	60	ROYAL B

WG/SC	THURSDAY JANUARY 17, 2019	Chair	Est	Room (Cap)
	THURSDAY 8 AM – 10:00 AM			
	THURSDAY 8 AM – 12:00 PM			
PSRC	PSRC Main Committee Mtg. (raised platform for 4 + Podium)	Patterson	160	GRAND E-G
	*Two wireless microphones with mic stands in audience, one mic at podium.			
	Main Committee Presentations:	Thompson		
	Application of Out-Of-Step Protection Schemes for Generators - J5	Thakur		
	Guide for Naming Intelligent Electronic Devices (COMDEV) - H23	Makki		
PSCC MC	Power System Communications and Cybersecurity Main Committee (11:00 - 12:00 or immediately following PSRC Main Committee Mtg.)	Fodero	60	GRAND E-G
	THURSDAY 12:00 PM – 1:00 PM			
	Lunch on your own			
	THURSDAY 1:00 PM – 4:00 PM			
PSCC C0	PSCC Power Line Carrier Subcommittee	Ray	20	GRANADA, S. TOWER
	THURSDAY 1:00 PM - 5:00 PM			
IEEE-SA	P2030.12 PA System Needed	Venkata	50	ROYAL B

Power System Relaying & Control Committee

Main Committee Meeting Agenda

Garden Grove, CA

Thursday, January 17, 2019, 8:00 am - 12:00 pm

I. Call to Order/Introductions/Quorum	Russ Patterson
II. Approval of Minutes/Financial Report	Mike Thompson
III. Reports of Interest	
A. Tech. Paper Coordination/Future Meetings	Murty Yalla
B. CIGRE Report	Rich Hunt
C. IEC Report	Eric Udren
D. Standard Coordinator's Report	Don Lukach
E. PCSS/Substation Committee Report	Craig Preuss
F. NERC Report	Bob Cummings
G. Other Reports of Interest	
IV. Advisory Committee Reports	Russ Patterson
B1. Awards/Recognition	Hugo Monterrubio
V. Subcommittee Reports	
C- System Protection	Gene Henneberg
D- Line Protection	Karl Zimmerman
H- Relay Communications	Galina Antonova
I- Relaying Practices	Andre Uribe
J- Rotating Machinery	Dale Finney
K-Substation Protection	Jeff Barsch
VI. Presentations	Mike Thompson
Application of Out-Of-Step Protection Schemes for Generators - J5	Sudhir Thakur
Guide for naming intelligent electronic devices (COMDEV) – H23	Amir Makki

