

Channel	WG/SC	MONDAY, SEPTEMBER 21, 2020 (All times are in Central Daylight Time, CDT)	Chair	Est, CLS	Meeting URL (TBD)
		<b>MONDAY 8:00 AM – 9:00 AM</b>			
B	B3	Power System Relaying and Control Committee Newcomer's Orientation	Yalla	20	B3 URL
C	C39	Testing Guide for Automatic Voltage Control Systems in Regional Power Grids	Teng	20	C39 URL
J	J17*	Revision of PC37.102, Guide for AC Generator Protection <b>(Double Session 1 of 2)</b>	Das, M.	40	J17 URL
PSCC1	PSCC	Power System Communications and Cybersecurity Committee Newcomer's Orientation	Fodero	60	PSCC URL
PSCC2	PSCC P5*	Revision of IEEE P1615	Easley	20	P5 URL
		<b>MONDAY 9:10 AM – 10:10 AM</b>			
B	B8	<b>(By Invitation only)</b> PSRC Long Range Planning WG	Mysore	20, CLS	N/A
I	I4	International Standards Development (IEC Advisory WG)	Udren	15	I4 URL
J	J17*	Revision of PC37.102, Guide for AC Generator Protection <b>(Double Session 2 of 2)</b>	Das, M.	40	J17 URL
PSCC1	PSCC C1*	Revision of Guide for PLC Applications	Bell		C1 URL
PSCC2	PSCC S9	Study Group on Utility IT-OT Cybersecurity Challenges in Roles and Terminology	Laughner	30	S9 URL
		<b>MONDAY 10:20 AM – 11:20 AM</b>			
C	C28*	C37.242 IEEE Guide for Synchronizing, Calibration, Testing, and Installation of PMUs	Goldstein	30	C28 URL
H	H27*	Standard File Format for IED Configuration Data (COMSET)	Capuozzo	20	H27 URL
I	I26	Mathematical Models of Instrument Transformers	Meisinger	30	I26 URL
J	J16*	Revision of PC37.101, Guide for Generator Ground Protection	Carlson	35	J16 URL
PSCC1	PSCC S1*	Revision of IEEE 1686 IED Cyber Security Capabilities	Lacroix	30	S1 URL
		<b>MONDAY 11:30 AM – 12:30 PM</b>			
C	C26*	Revision of IEEE C37.233, Power System Protection Testing Guide	Ware	40	C26 URL
I	I33	Review of Relaying Testing Terms	Cooper	20	I33 URL
K	K10	SCC21 Distributed Resources Standard Coordination	Kazimier	20	K10 URL
PSCC1	PSCC S3*	P2030.102.1 Standard for Interoperability of IPSEC Utilized within Utility Control Systems	Bougie	25	S3 URL
PSCC2	PSCC P14*	Guide, C37.236 Protective Relay Applications Over Digital Communication Channels	Dahlin	20	P14 URL
		<b>MONDAY 12:30 PM – 1:10 PM Lunch Break</b>			
		<b>MONDAY 1:10 PM – 2:10 PM</b>			
B	B2/PSCC A2TF	<b>(By Invitation only)</b> Fellows Awards- (Joint with PSCC A2 TF)	Dickerson	15, CLS	N/A
C	C25	Protection of Wind Electric Plants	Best	30	C25 URL
D	D37	Report on Impact of Series Compensation on Transmission Line Protection	Kockott	30	D37 URL
H	H30	IEC 61850 User Feedback	Maragal	30	H30 URL
J	J12	Improved Generator Ground Fault Protection Schemes	Finney	30	J12 URL
PSCC1	PSCC S11	Task Force on Developing Cyber Services Standard Documents (e.g., syslog, SNMP)	Laughner	20	S11 URL
		<b>MONDAY 2:20 PM – 3:20 PM</b>			
B	B1	<b>(By Invitation only)</b> Awards and Recognition Working Group	Monterrubio	20, CLS	N/A
C	C24	Modifications to Fault Study Programs for Wind Turbine Generators	Brahma	30	C24 URL
D	D29	Tutorial on Setting Impedance-Based PSB and OOST Functions on TL	Jones	40	D29 URL
I	I29*	Revision of C37.110 Guide for the Application of Current Transformer for Protective Relaying Purposes	Valenzuela	30	I29 URL
K	K22*	PC37.234 IEEE Guide for Protective Relaying Applications to Power System Buses	Bapary	30	K22 URL
PSCC1	PSCC S10	Study Group on Utility & Municipality Challenges on Understanding Cybersecurity Standards	Pack/Mark	30	S10 URL
		<b>MONDAY 3:30 PM – 4:30 PM</b>			
B	B	<b>(By Invitation only)</b> PSRC Officer / SC Chair Coordination Meeting	Patterson	30, CLS	N/A
PSCC1	PSCC P16	P1854 Review by PSCC for Communications and Cyber Security Requirement	Preuss	20	P16 URL
		<b>MONDAY 4:40 PM – 5:40 PM</b>			
B	B	<b>(By Invitation only)</b> PSRC Advisory Committee	Patterson	30, CLS	N/A
PSCC1	PSCC P9*	Revision of C37.118.2 Synchrophasor Data Transfer for Power Systems	Gharpure	25	P9 URL

Channel	WG/SC	TUESDAY, SEPTEMBER 22, 2020 (All times are in Central Daylight Time, CDT)	Chair	Est, CLS	Meeting URL (TBD)
		<b>TUESDAY 8:00 AM – 9:00 AM</b>			
C	C29	Testing Out of Step Impedance Characteristics for Lines and Generators	Jones	30	C29 URL
D	D35	Evaluation of Transmission Line Pilot Protection Schemes	Gamble	40	D35 URL
H	H40*	Databases Used in Utility Automation Systems	Laughner	20	H40 URL
I	I31*	IEEE 1613 Standard for Environmental and Testing Requirements for Devices with Communications Functions Used with Electric Power Apparatus	Mugalian	20	I31 URL
J	J13	Modeling of Generator Controls for Coordinating Generator Relays	Gers	40	J13 URL
		<b>TUESDAY 9:10 AM – 10:10 AM</b>			
C	CTF41	Investigate Measurement Performance Requirements for PMUs in Distribution System Applications	Martin	20	CTF41 URL
D	D39*	Revise C37.104, IEEE Guide for Automatic Reclosing of Circuit Breakers for AC Distribution & Transmission Lines	Patel	40	D39 URL
J	J18	Penetration of Renewable Energy Resources and the Impact to Synchronous Generators	Fisher	20	J18 URL
PSCC1	PSCC P12	Analog Leased Line End of Life and Migration	Benou	20	P12 URL
		<b>TUESDAY 10:20 AM – 11:20 AM</b>			
D	D38	Impact of High SIR on Distance Relaying	Walker	50	D38 URL
I	I41*	IEEE C37.90.3 IEEE Standard Electrostatic Discharge Tests for Protective Relays (Revision of IEEE C37.90.3-2001)	Turner	25	I41 URL
J	J15	Investigation of the Criteria for the Transfer of Motor Buses <b>(Double session 1 of 2)</b>	Hartmann	30	J15 URL
PSCC1	PSCC P11	Report on Cloud Computing Uses and Requirements by Electric Power Utilities	Cease	25	P11 URL
		<b>TUESDAY 11:30 AM – 12:30 PM</b>			
D	D28	Revision of C37.230 Guide for Protective Relaying Appl. to Distribution Lines	Boysen	30	D28 URL
H	H31	Common Protection & Control Parameters for COMSET	Maragal	35	H31 URL
I	ITF44	Skills Required to Program, Commission Test, and Maintain Systems with IEC 61850	Knapek	20	ITF44 URL
J	J15	Investigation of the Criteria for the Transfer of Motor Buses <b>(Double session 2 of 2)</b>	Hartmann	30	J15 URL
K	K27	Guide for the Protective Relaying of Utility-Consumer Interconnections	Elkin	20	K27 URL
PSCC1	PSCC S13	Review of 1547.3 Guide for Cybersecurity of DER's Interface with Electric Power Systems	A. Johnson	30	S13 URL
		<b>TUESDAY 12:30 PM – 1:10 PM Lunch Break</b>			
		<b>TUESDAY 1:10 PM – 2:10 PM</b>			
C	CTF42	Summary of C37.250 Guide for Engineering, Implementation and Management of System Integrity Protection Schemes	Hu	20	CTF42 URL
D	D42	Revise C37.113 (Transmission Line Guide)	Barsch	40	D42 URL
H	H41*	Revision of IEEE 1646 Communication Delivery Time Performance Requirements	Holstein	15	H41 URL
J	JTF1	Investigate the Need for a Gen.Cond. Monitoring WG	Turner	30	JTF1 URL
PSCC1	PSCC S15	Study Group for Security of IEC 61850 GOOSE and Sampled Measured Values	Preuss		S15 URL
		<b>TUESDAY 2:20 PM – 3:20 PM</b>			
C	C40	Summary C37.247 Standard for Phasor Data Concentrators	Gharpure	10	C40 URL
D	DTF45	Reduction of Forest Fire	TBA	40	DTF45 URL
H	H49	Application considerations for the Use of Packet-Switched Communication Channels for Pilot Protection and Teleprotection Schemes	Stoedter	20	H49 URL
I	I43	Investigate Response to USA Executive Order Regarding EMP Protection	Tempone	40	I43 URL
J	JTF2	Investigate the Need for a Disturbance Recording WG	Tierney	30	JTF2 URL
PSCC1	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	S2 URL
		<b>TUESDAY 3:30 PM – 4:30 PM</b>			
C	C38*	P2030.12 Guide for the Design of Microgrid Protection System <b>(Double Session 1 of 2)</b>	Venkata (Higginson)	60	C38 URL
H	H44	Monitoring and Diagnostics of IEC 61850 GOOSE and Sampled Values Based Systems	Martin, A.	30	H44 URL
I	I30*	Revision of C37.235 Guide for the Application of Rogowski Coils Used for Protective Relaying Purposes	Frye	15	I30 URL
J	J19*	IEEE Standard C37.106 Guide for Abnormal Frequency Protection for Power Generating Plants	Chowdhury	30	J19 URL
K	K26*	PC37.109 IEEE Guide for the Protection of Shunt Reactors	Garg	35	K26 URL
PSCC1	PSCC S5*	Revision of IEEE C37.240 Cyber Security Requirements for Power System Automation, Protection and Control Systems	Kunsman	40	S5 URL
		<b>TUESDAY 4:40 PM – 5:40 PM</b>			
B	PSRC/NERC	<b>(By Invitation Only)</b> PSRC/NERC "The Way Forward for Systems with Low Short Circuit Strength"	Pratap	20, CLS	N/A
C	C38*	P2030.12 Guide for the Design of Microgrid Protection System <b>(Double Session 2 of 2)</b>	Venkata (Higginson)	60	C38 URL
D	D34	Coordination With IEC 60255-187-3 Functional Spec for Line Current Differential Requirements	Fischer	n/a	D34 URL
H	H47	Impact of IEC 61850 sampled values, GOOSE and PTP time synchronization on protection and control applications using process bus	Kanabar	30	H47 URL
K	K28	Effect of GMD on Protection	Qui	20	K28 URL

Channel	WG/SC	WEDNESDAY, SEPTEMBER 23, 2020 (All times are in Central Daylight Time, CDT)	Chair	Est, CLS	Meeting URL (TBD)
		<b>WEDNESDAY 8:00 AM – 9:00 AM</b>			
C	C33*	Support for WG-P2004 " Recommended Practice for Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls	Ouellette	25	C33 URL
D	DTF 43	Update PSRC Report "Effect of DA on Protective Relaying"	B. Mackie	20	DTF43 URL
I	I38*	Review of IEEE C37.92 - Standard for Analog Inputs to Protective Relays From Electronic Voltage and Current Transducers	Chowdhury	20	I38 URL
K	K16*	PC37.91 Revision of IEEE Guide for Protecting Power Transformers	English	50	K16 URL
PSCC1	PSCC P10*	IEEE Standard for Streaming Telemetry Transport Protocol (IEEE P2664)	K. Martin	25	P10 URL
		<b>WEDNESDAY 9:10 AM – 10:10 AM</b>			
C	CTF34	PES/ NERC Joint Effort to Prepare a Report on Inverter-Based Short Circuit Current Impacts	Jones	40	CTF34 URL
H	H45	PC37.300 Guide for Centralized Protection and Control (CPC) Systems within a Substation	R. Das	40	H45 URL
I	I37*	Review of C37.90 - Standard for Relays and Relay Systems Associated with Electric Power Apparatus	Ramirez	20	I37 URL
PSCC1	PSCC S8*	P2658 Guide for Cybersecurity Testing in Electric Power Systems	Wallace	40	S8 URL
		<b>WEDNESDAY 10:20 AM – 11:20 AM</b>			
C	CTF43	Investigate interest in the use of Artificial Intelligence and Machine Learning for Protection and Control Applications	Hu	30	CTF43 URL
D	D44	Investigate Need to Revise C37.114 (Fault Location Guide)	Billaut	40	D44 URL
I	ITF45	Grounding and Bonding Issues Associated with Substation Wiring Practices and Instrumentation	Zvorych	20	ITF45 URL
J	J21	Motor Protection Tutorial	Barner	30	J21 URL
K	K12 & I9	P1032 Guide for Protecting Transmission Static VAR Compensators Joint w/ Subst I9	Samineni	20	K12 & I9 URL
		<b>WEDNESDAY 11:30 AM – 12:30 PM</b>			
H	H50	Requirements for Time Sources in Protection & Control Systems	Ouelette	25	H50 URL
I	I36*	Review of C37.90.2 - Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers	Lockhart	20	I36 URL
J	J20	Investigate Need for Paper on Generator Synchronizing Systems	Espinosa	30	J20 URL
PSCC1	CIGRE D2.50	Electric Power Utilities Cybersecurity for Contingency Operations	Holstein	25	CIGRE D2.50 URL
PSCC2	PSCC S7*	Electrical Power System Cyber Device Function Numbers, Acronyms, and Designation	Wallace	20	S7 URL
		<b>WEDNESDAY 12:30 PM – 1:10 PM Lunch Break</b>			
		<b>WEDNESDAY 1:10 PM – 2:10 PM</b>			
C	C36	Develop IEEE Transactions Paper Development from C2 report: Role of Protective Relaying in the Smart Grid	Kazimier	20	C36 URL
H	H46	Recommended Practice for Human-Machine Interfaces (HMI) used in Utility Automation Systems (PC37.13)	Black	25	H46 URL
I	I40*	IEEE C37.90.1- Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus - Surge Withstand Capability (SWC) and Electrical Fast Transient (EFT) Requirements and Tests (Rev of C37.90.1-2012)	Whitaker	20	I40 URL
J	J14	Plant Protection Issues Associated with Black Starting of Gens	Ruckman	20	J14 URL
		<b>WEDNESDAY 2:20 PM – 3:20 PM</b>			
C	C23	Coordination of Synchrophasor Related Activities	Goldstein	20	C23 URL
D	D30	Tutorial on Application & Setting of Distance Elements for Transmission Line Events with Distorted Waveforms	Zimmerman	30	D30 URL
I	I35*	PC37.2 Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations	Dood	20	I35 URL
K	K25*	PC37.99 IEEE Guide for the Protection of Shunt Capacitors	Kao	30	K25 URL
PSCC1	PSCC P18*	Revision of IEEE 2030 (Joint Sponsorship)	A. Johnson	15	P18 URL
		<b>WEDNESDAY 3:30 PM – 4:30 PM</b>			
B	B10	<b>(By Invitation Only)</b> IBR Steering WG	Patterson	15, CLS	N/A
C	C31*	IEEE Guide for Protection System Redundancy for Power System Reliability (PC37.120)	Ward	30	C31 URL
H	HTF51*	IEEE C37.239 (COMFEDE) Reaffirmation	Adamiak	20	HTF51 URL
K	K18*	PC37.108 IEEE Guide for the Protection of Secondary Network Systems	Mulawarman	25	K18 URL
PSCC1	ICAP	ICAP Synchrophasor (C37.118) Conformity Assessment Steering Committee (SCASC)	Goldstein	40	ICAP URL
PSCC2	PSCC P19	Study Group for Universal Utility Data Exchange (IUDEX) (From PNNL)	S. Mix		P19 URL
		<b>WEDNESDAY 4:40 PM – 5:40 PM</b>			
H	H6	IEC 61850 Application Testing	Sufana	30	H6 URL
I	I2	Terminology Usage Review	Swanson	20	I2 URL
PSCC1	PSCC P8TF	Recommended Mapping Approach between IEEE C37.118.2 and IEC 61850	Hu		P8TF URL
PSCC2	PSCC S16	Study Group for Application of IDS and IPS to Electric Power Systems	Doak		S16 URL

Channel	WG/SC	THURSDAY, SEPTEMBER 24, 2020 (All times are in Central Daylight Time, CDT)	Chair	Est, CLS	Meeting URL (TBD)
		<b>THURSDAY 8:00 AM – 09:00 AM</b>			
H	H	Relay Communications Subcommittee Meeting	Antonova	75	H URL
J	J	Rotating Machinery Subcommittee Meeting	Finney	60	J URL
		<b>THURSDAY 9:10 AM – 10:10 AM</b>			
C	C	System Protection Subcommittee Meeting	Friend	60	C URL
PSCC1	PSCC S0	Cybersecurity Subcommittee Meeting	Kunsman	40	S0 URL
		<b>THURSDAY 10:20 AM – 11:20 AM</b>			
D	D	Line Protection Subcommittee Meeting	Mackie	75	D URL
I	I	Relay Practices Subcommittee Meeting	Niemira	60	I URL
PSCC1	PSCC C0	PSCC Power Line Carrier Subcommittee	Palmer	20	C0 URL
		<b>THURSDAY 11:30 AM – 12:30 PM</b>			
K	K	Substation Protection Subcommittee Meeting	Barsch	50	K URL
PSCC1	PSCC P0	PSCC Protocols and Communication Architecture Subcommittee	Vandiver	40	P0 URL
		<b>THURSDAY 12:30 PM – 1:10 PM Lunch Break</b>			
		<b>THURSDAY 1:10 PM – 5:00 PM</b>			
B	PSRC MC	Power System Relaying and Control (PSRC) Main Committee Meeting	Patterson	160	PSRC MC URL
		<b>Main Committee Presentations:</b>	Thompson		
	1	How to use PSRC CT Saturation Calculator Spreadsheet with Example CT and System Data	Turner		
	2	WG K11: Methods for Detecting and Analyzing an Open Phase Condition of a Power Circuit to a Nuclear Plant Station Service or Startup Transformer	Sufana		
	3				
		<b>FRIDAY, SEPTEMBER 25, 2020 (All times are in Central Daylight Time, CDT)</b>			
		<b>FRIDAY 2:00 PM – 3:00 PM</b>			
PSCC1	PSCC MC	Power System Communications and Cybersecurity (PSCC) Main Committee Meeting	Fodero	60	PSCC MC URL

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**Power System Relaying & Control Committee**

**Main Committee Virtual Meeting Agenda**

**Thursday , September 24, 2020 01:10 PM - 05:00 PM (CDT)**

<b>I. Call to Order/Introductions/Quorum</b>	<b>Russ Patterson</b>
<b>II. Approval of Minutes/Financial Report</b>	<b>Mike Thompson</b>
<b>III. Reports of Interest</b>	
<b>A. Tech. Paper Coordination/Future Meetings</b>	<b>Murty Yalla</b>
<b>B. CIGRE Report</b>	<b>Rich Hunt</b>
<b>C. IEC Report</b>	<b>Eric Udren</b>
<b>D. Standard Coordinator's Report</b>	<b>Don Lukach</b>
<b>E. PSCC/Substation Committee Report</b>	<b>James Formea</b>
<b>F. NERC Report</b>	<b>Rich Bauer</b>
<b>G. Other Reports of Interest</b>	<b>Russ Patterson</b>
<b>IV. Advisory Committee Reports</b>	
<b>B1. Awards/Recognition</b>	<b>Hugo Monterrubio</b>
<b>V. Subcommittee Reports</b>	
<b>C- System Protection</b>	<b>Fred Friend</b>
<b>D- Line Protection</b>	<b>Bruce Mackie</b>
<b>H- Relay Communications</b>	<b>Galina Antonova</b>
<b>I- Relaying Practices</b>	<b>Jim Niemira</b>
<b>J- Rotating Machinery</b>	<b>Dale Finney</b>
<b>K-Substation Protection</b>	<b>Jeff Barsch</b>
<b>VI. Presentations</b>	<b>Mike Thompson</b>
1 <b>How to use PSRC CT Saturation Calculator Spreadsheet with Example CT and System Data</b>	<b>Steve Turner</b>
2 <b>WG K11: Methods for Detecting and Analyzing an Open Phase Condition of a Power Circuit to a Nuclear Plant Station Service or Startup Transformer</b>	<b>Charlie Sufana</b>
3	