

POWER SYSTEM RELAYING COMMITTEE

8.22.18

WORKING GROUP STATUS REPORT

Source: Updated after the May 2018 meeting

#	Output	Title	IEEE #	Chair	Vice Chair	T	N	E	#	E	Y	H	Next Mtg. Room			
													# mtgs	seats	(CP/OH)	
C		Systems Protection Subcommittee		Henneberg	Friend											
C19	Guide	Standard for Phasor Data Concentrators for Power Systems	PC37.247	Gharpure	Kanabar	12	x	x	2.46	x	x			1	25	CP
C21	Guide	Guide for Engineering, Implementation and Management of Systems Integrity Protection Schemes (SIPS)	PC37.250	Hu	Henneberg	14	x	x	0.62					1	20	CP
C23	Ongoing	Coordination of Synchrophasor Related Activities		Patel	Goldstein	13	x		na					1	25	CP
C24	Report	Modification of Commercial Fault Calculation Programs for Wind Turbine Generators		Brahma	Farantatos	14	x	x	2.0					1	30	CP
C25	Report	Protection of Wind Electric Plants		Best	Houser	14	x	x	4.2					1	30	CP
C26	Guide	C37.233, Power System Protection Testing Guide	C37.233	Ware	Black	15	x	x	2.19					1	40	CP
C28	Guide	C37.242 Guide to the Synchronizing, Calibration, Testing, Installation and Testing of PMUs for Power System Protection and Control	C37.242	Goldstein	Kirkham	15	x	x	20180508					1	20	CP
C29	Report	Power System Testing Methods for Power Swing Blocking and Out-of-Step Tripping		Malson	Kockott	16	x	x	0.6					1	30	CP
C30	Report	Microgrid Protection Systems		Higginson	Friend	16	x	x	5					1	50	CP
C31	Guide	Guide for Protection System Redundancy for Power System Reliability	C37.120	Ward	Deronja	17	x	x	2.4					1	50	CP
C32	Report	Protection Practices for Interconnecting Solar or Other Inverter Based Generation to Utility Transmission Systems.		Nagpal	TBD	17	x	x	1.03					1	60	CP
CTF33	87233	Support for WG-P2004 "Recommended Practice for Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls"		Steurer	Lauss	17	x	x	1					1	20	CP
CTF34	Report	Inverter-Based Short Circuit Current Impacts		Jones	Kobet	17	x	x	4.0					1	50	CP
C35	Paper	IEEE Transactions Paper Development for C37.246 Guide for Protection Systems of Transmission-to-Generation Interconnections		Deronja	Houser	18	x	x	1					1	20	CP
C36	Paper	IEEE Transactions Paper Development from C2 report: Role of Protective Relaying in the Smart Grid		Apostolov	Kazimier	18	x							1	20	CP
CTF37	Paper	Develop IEEE Transactions Paper from C20 report on the Impact of HVDC Transmission on Protective Relays.		Tualla	TBD	18								1	20	CP
C38	Guide	Guide for the Design of Microgrid Protection Systems	P2030.12	Venkata	Higginson	18								1	40	CP
D		Line Protection Subcommittee		Zimmerman	Mackie										60	CP
D28	Guide	(PC37.230) Guide for Protective Relaying Application to Distribution Lines	C37.230	Boysen	Patti	13	x	x	2					1	40	CP
D29	Tutorial	Tutorial on Setting Impedance-Based Power Swing Blocking and Out-of-Step Tripping Functions on Transmission Lines	-	Jones	Fischer	14	x	x	1					1	40	CP
D30	Tutorial	Tutorial on Application and Setting of Ground Distance Elements on Transmission Lines	-	Zimmerman	Warren	14	x	x	2					1	30	CP
D34		Coordinate with IEC 60255-187-3 Functional Specification for Line Current Differential Requirements		Fischer	Mooney	15	x							1	30	CP
D35	Report	Evaluation of Transmission Line Pilot Protection Schemes		Gamble	Guilczynski	16	x	x	4.0					1	40	CP
D37	Report	Impact of Series Compensation on Transmission Lines		Kockott	Polanco	17	x	x	1					1	30	CP
D38	Report	Impact of High SIR on Distance Relaying		Walker	Ryan	17	x		0					1	40	CP
D39	Guide	Revise C37.104, IEEE Guide for Automatic Reclosing of Line Circuit Breakers for AC Distribution and Transmission Lines	C37.104	Patel	Armstrong	17			0					1	40	CP
D40		Future Plan for Transmission Line Guide		Barsch	Lukach	17			0					1	40	CP
H		Relaying Communications Subcommittee		Antonova	Martin										75	CP
H3	Standard	Time Tagging for Intelligent Electronic Devices (COMTAG)	C37.237	Dickerson	Hackett	06	x	x	1	x	x	x		1	4	CP
H6	Report	IEC 61850 Application Testing		Sufana	Vandiver	99	x	x	6.1	x				1	25	CP
H11	Standard	IEC/IEEE 60255-118-1, Synchrophasor for Power Systems- Measurements	60255-118-	K. Martin	Goldstein	06	x	x	7	x	x	x		1	20	CP

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#	Output	Title	IEEE #	Chair	Vice Chair	T	N	E	#	E	Y	H	#	seats	(CP/ OH)				
H17	Report	Establishing Links between COMTRADE, IEC 61850, and CIM		Brunner	Apostolov	10	x	x	7				Suspended						
H22	Guide	Guide for Categorizing Security Needs for Protection Related Data Files (Joint Working Group Susbt. Committee C19 & PSRC H22)	PC37.249	Makki	Calix	12	x	x	10				1	20	CP				
H23	Guide	Guide for Naming Intelligent Electronic Devices (COMDEV)	PC37.248	Cornelison	Allen	12	x	x	7.1	x	x	x							
H27	Standard	Standard for Common Protection and Control Settings or Configuration Data Format (COMSET)	PC37.251	Capuzzo	Vandiver	13	x	x	0.3				1	20	CP				
H30	Report	IEC 61850 User Feedback		Maragal	Martin	15	x	x	0.7				1	25	CP				
H31	Report	Common Protection & Control Parameters for COMSET		Maragal	Apostolov	15	x	x	0.5				1	25	CP				
H32	Report	Performance Requirements for Ethernet Circuits Applied to Teleprotection		Fodero	McCannon	15	x	x	8	x			1	25	CP				
H35	Report	XML Translation for COMTRADE		Adamiak		15	x	x	7				1	20	CP				
H38	Guide	Design and Implementation of Time Synchronization Distribution Systems for Substation Automation	P2030.101	Bougie			x	x	11.6	x	x	x	1	25	CP				
H40	Guide	Databases Used in SAS	PC37.1.2	Bougie		17	x	x	1.3				1	25	CP				
H41	Standard	Revision of IEEE 1646 Communication Delivery Time Performance Requirements	1646	Holstein	Cease	17	x	x					1	25	CP				
H44	Guide	Enhancing GOOSE I/O Monitoring	PC2030.10	Martin	Yang	17	x	x					1	30	CP				
H45	Guide	Guide for Centralized Protection and Control Systems (CPC) within a Substation		Das	Kanabar	17	x						1	50	CP				
HTF46	TBD	Recommended Practice for Human-Machine Interfaces (HMI) used in Utility Automation Systems		Preuss	Black	17	x		1.3.1				1	20	CP				
HTF47	TBD	Impact of Digital Communications on Protection and Control		Kanabar	TBD	18	x						1	30	CP				
I		Relaying Practices Subcommittee		Mugalian	Uribe								60	CP					
I2	On Going	Terminology Review Working Group		Swanson	Friend	on-going							1	20	CP				
I4	On Going	IEC Advisory Working Group		Udren	Gosalia	on-going							1	15	CP				
I26	Report	Review and Expand Transaction Paper on Mathematical Models of Current, Voltage and Coupling Capacitive Voltage Transformers		Meisinger	Turner	13	x	x	1.1				1	30	CP				
I27	Report	Investigation of Protective Relay Self-Monitoring Capabilities		Moxley	Dalton	14	x	x	6.0	x			1	30	CP				
I29	Guide	Revision of Guide for the Application of Current Transformers for Protective Relaying Purposes	C37.110	Valenzuela	Higginson	14	x	x	1.1				1	30	CP				
I30	Guide	Revision of Guide for the Application of Rogowski Coils Used for Protective Relaying Purposes	C37.235	Kojovic	Frye	14	x	x	5.0				1	10	CP				
I31	Standard	Standard for Environmental and Testing Requirements for Devices Installed in Transmission and Distribution Facilities	1613/1613	Mugalian	Preuss/Ramie	15	x	x	0.31				1	40	CP				
I32	Review	A Survey of Protective System Test Practices		Uribe	Torres	15	x	x	3.1				1	20	CP				
I33	Review	Review of Relaying Testing Terms		Gosalia	Monterrubio	15	x	x	1.7				1	20	CP				
I35	Standard	Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations	PC37.2	Dood	LaCroix	17			0.2				1	20	CP				
I36	Standard	Review of - Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers	C37.90.2	Pond	Burnworth	17			1.0				1	20	CP				
I37	Standard	Review of - Standard for Relays and Relay Systems Associated with Electric Power Apparatus	C37.90	Bolado	Ramirez	18	x		1.0				1	20	CP				
I38	Standard	Review of - Standard for Analog Inputs to Protective Relays From Electronic Voltage and Current Transducers	C37.92	Frye	Udren	18							1	20	CP				
ITF39	Standard	Draft Standard for Input and Output Requirements and Testing Methodology for Intelligent Electronic Devices (IEDs)	PC37.1.1	Preuss	Tempone	17			3.0				1	25	CP				
ITF40	Standard	Review of IEEE C37.90.1 - Standard for Surge Withstand Capability (SWC) Tests for Relays and Relay Systems Associated with Electric Power Apparatus	C37.90.1	Burnworth	A.Makki	18							1	20	CP				
ITF41	Standard	Review of IEEE C37.90.3- IEEE Standard Electrostatic Discharge Tests for Protective Relays	C37.90.3	Turner	Schroeder	18							1	25	cp				
J		Rotating Machinery Subcommittee		Finney	Kobet								40	CP					
J5	Report	Application of Out-Of-Step Protection Schemes for Generators		Thakur	M. Das	11	X	X	14	X			1	30	CP				
J12	Report	Improved Generator Ground Fault Protection Schemes		Finney	M.Das	12	X	X	8				1	35	CP				
J13	Report	Modeling of Generator Controls for Coordinating Generator Relays		Gers	Tatro	13	X	X	3				1	40	CP				
J14	Report	Plant Protection Issues Associated with Black Starting of Generators		Ruckman	Bukhala	12	X	X	3				1	25	CP				

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#	Output	Title	IEEE #	Chair	Vice Chair	T	N	E	#	E	Y	H	#	seats	(CP/OH)
J15	Report	Investigation of the Criteria for the Transfer of Motor Buses		Hartmann	Valenzuela	14	X	X	NA				1	30	CP
J16	Guide	Revision of Guide for Generator Ground Protection	C37.101	Klingerman	Thakur	17		X	NA				1	35	CP
J17	Guide	Revision of Guide for AC Generator Protection	PC37.102	M. Das	Kobet	17		X	0				1	40	CP
J18	Report	Impact of Inverter Based Sources on Rotating Machines		Fischer	Jensen	16	X		NA				1	30	CP
JTF1	Guide	IEEE Std. C37.106 Guide for Abnormal Frequency Protection for Power Generating Units		Chowdhury	TBD	18							1	20	CP
JTF2		Protection Issues Related to Subsynchronous System Oscillation		Fischer	TBD	18									
K		Substation Protection Subcommittee		Lukach	Pickett									50	CP
K1	Guide	PC37.245, Guide for the Application of Protective Relaying for Phase Shifting Transformers	C37.245	Sevov	Davies	11	x	x	8.2a	X			1	30	CP
K10	SC Input	SCC21 Distributed Resources Standard Coordination	SCC21	Kazimier	Siira	99	x		na				1	20	CP
K11	Paper	Open Phase Detection for Nuclear Generating Stations		Sufana	Urbina	13	x	x	6.7				1	30	CP
K12	Guide	P1032 Guide for Protecting Transmission Static VAR Compensators Joint w/Subst.I9		Samineni	Best	13	x	x	17.3				1	20	CP
K16	Guide	PC37.91 Revision of IEEE Guide for Protecting Power Transformers	C37.91	English	Conrad	13	x	x	11				1	50	CP
K17	Paper	Geomagnetic Disturbance (GMD)		Qiu	Polanco	14	x	x	5.2				1	25	CP
K18	Guide	PC37.108 Guide for the Protection of Secondary Network Systems	C37.108	Mulawarman	Pavavicharn	14	x	x	2.12				1	20	CP
K19	IEC Input	Advisory to IEC 60255-187-1 Functional Requirement for Restrained and Unrestrained Differential Protection of Motors, Generators and Transformers		Brunello	Bapary	15	x		na				1	20	CP
K21	Guide	IEEE Std C37.112 Standard Inverse-Time Characteristic Equations for Overcurrent Relays	C37.112	Crellin	Thompson	16	x		2.0	x	X		1	20	CP
K22	Guide	PC37.234 IEEE Guide for Protective Relaying Applications to Power System Buses	C37.234	Bapary	Thompson	16	x		2a				1	50	CP