

**PSRC September 13 – 16, 2010  
Berkeley, CA  
Meeting Agenda**

WG /SC	TITLE	CHAIR	Att.	CAP	A/V	Room
<b>MONDAY 6/13/2010</b>						
<b>Monday 8:30 – 12 Noon</b>						
PSCC	PSCC Power Line Carrier	Ray	20	29	CP	Berkeley
<b>Monday 11:00 AM – 1:00 PM</b>						
	PSRC Officer / SC Chair Coordination Meeting	Sanders	15	24		Amador
<b>10:30 AM – 5:30 PM CONFERENCE REGISTRATION</b>						
<b>1:30 – 2:45 PM (all mtg. rooms arranged hollow square)</b>						
sc&wg	Standard's Coordination: all WG & SC Chairs with a PAR Required to Attend	Gilbert	40	48	CP	California
B2	Fellows Awards ( Same Meeting as B8)	Henville	15	24	#BIO	Amador
B5	Bibliography and Publicity	Sidhu		24		El Dorado
B8	PSRC Long Range Planning WG (8:45 – 9:15)	Henville	10	24	#BIO	Amador
B3	NEWCOMER'S ORIENTATION	Pettigrew/ Swanson	20	29	CP	Berkeley
B	WG Chair Training	Hunt	50	90	CP	Quarter Deck
				45		Mariposa
<b>Monday 3:00 PM – 4:15 PM</b>						
Sub C2*	Std 1613 Adding Shock and Vibration Requirements	Tengdin	30	45	CP	Mariposa
C14	Use of Synchrophasor Measurements in Protection Applications	O'Brien	50	90	CP	Quarter Deck
ITF5*	Reaffirmation of C37.92 Analog Inputs to Protect relays from Electronic Voltage and Current transients	Beresh	30	29	CP	Berkeley
J10*	PC37.96 Guide for AC Motor Protection	Kumar	25	48	CP	California
I3	Relay Functional Type Testing	Jodice	20	24	CP	El Dorado
H10	Naming Installed Intelligent Electronic Devices (IEDs)	Cornelison	20	21	CP	Santa Barbara
H8	Application of COMTRADE for Exchange of Sychrophasor Data	Allen		21		Sacramento
H2	Protective relay Applications using Smart Grid Communication Infrastructure	Simon	30	21	CP	LaJolla
<b>Monday 3:00 – 3:30 PM</b>						
Sub C11*	Std 1379 Recommended Practice for RTU to Substation IED Communications	Smith	30	24	CP	Amador
<b>Monday 3:45 – 4:15 PM</b>						
Sub C12*	Std 1815 DNP3	Smith		24		Amador
<b>Monday 4:30 – 5:45 PM</b>						
I2	Terminology Usage Review	Swanson	25	45	CP	Mariposa
ITF10 *	Reaffirmation of C37.90 Standard for Relays and Relay Systems Associated with Electrical Power Apparatus	Ranieri	20	24	CP	El Dorado
D9*	Revision of C37.113 Guide for Protective Relay Applications to Transmission Lines	Sachdev	30	29	CP	Berkeley
#	Initiative Standards Meeting	Sanders	30	24	CP	Amador
D2	Revision of C37.104 Transmission and Distribution Reclosing Guide	Kobet	45	48	CP	California
H15	Coupling Redundancy For Protection Systems Using Power Line Carrier	Ray	20	21	CP	Santa Barbara
KTF1	Investigate update of PSRC paper "Protection of Phase Angle Regulating Transformers"	Chaudhary	20	21	CP	Sacramento
JTF7	Considerations for "Aurora" Protection	Reichard	25	21	CP	LaJolla
D26*	Revision of C37.114 Fault Location Guide	Mooney	30	90		Quarter Deck

	<b>Monday 6:00 – 7:00 PM Reception</b>					<b>Treasure/Yerba</b>
	<b>Monday 7:00 PM Dinner</b>					<b>Treasure/Yerba</b>

\* Indicates Standards Development Activity # By Invitation Only

Tuesday September 14, 2010						
8:00-10:30AM SPOUSE BREAKFAST						
WG /SC	TITLE	CHAIR	Att.	CAP	A/V	Room
<b>TUESDAY 8:00 – 9:15 AM</b>						
K4*	Revision of C37.95- Relaying of utility-consumer interconnections	Nagpal	20	21	CP	LaJolla
H6	Ethernet LANs in Substation Protection and Control	Burger	35	48	CP	California
D25	Distance Element Response to Distorted Waveforms	Zimmerman	30	29	CP	Berkeley
K8*	Revision of C37.99, IEEE Guide For The Protection Of Shunt Cap. Banks	Mysore	25	24	CP	Amador
I17	Trends in Relay Performance	Garcia	15	24	CP	El Dorado
I16	Harmonizing of CT standards in PSRC	Moskos	15	21	CP	Santa Barbara
I20*	Revision of C37.90.1 - IEEE Standard for Surge Withstand Capability (SWC) Tests for Relays and Relay Systems Associated with Electric Power Apparatus	T. Beckwith	20	21	CP	Sacramento
H17-1	Establishing links between COMTRADE, IEC 61850 and CIM	Brunner	40	90	CP	Quarter Deck
J6	Protection Issues related to Pumped Storage Generation	Uchiyama	30	45	CP	Mariposa
<b>TUESDAY 9:30 – 10:45 AM</b>						
H4*-1	Rev. of C37.111 - COMTRADE Standard	Das	35	48	CP	California
D3	Considerations for Choice of Polarizing Methods for Transmission Line Directional Protection	Kao	25	29	CP	Berkeley
C2	The Role of Protective Relaying in the Smart Grid	Apostolov	50	45	CP	Mariposa
I18	Anomaly checks on relay settings	McLaren	25	24	CP	Amador
C11*	Guide for Power System Protection Testing (C37.233)	Madani	30	24	CP	El Dorado
I4	IEC Standards Advisory	Udren	15	21	CP	Santa Barbara
I10*	Revision of C37.98-Standard for Seismic Testing of Relays	Nemier	20	21	CP	Sacramento
H17-2	Establishing links between COMTRADE, IEC 61850 and CIM	Brunner	40	90	CP	Quarter Deck
CTF3	Coordination with Power system Dynamic Performance Committee	Henville	15	21	CP	LaJolla
<b>TUESDAY 11:00 – 12:15 PM</b>						
J3	Power Plant and Transmission System Protection Coordination	Gardell	50	90	CP	Quarter Deck
H3	Timetagging in Protection and Disturbance Recording IED's	Dickerson	25	21	CP	LaJolla
D27*	Guide for Application of Line Current Differential Protection	Holbach	30	29	CP	Berkeley
K10	SCC21 Distributed Resources Standard Coordination	Johnson	20	24		Amador
H19*	Synchrophasor Data Transfer for Power Systems C37.118.2	K. Martin	30	45	CP	Mariposa
ITF3*	Reaffirmation of C37.103 Guide for Differential and Polarizing Relay Circuit Testing		20	21	CP	Santa Barbara
Sub C3	C37.2 New Updates	Tengdin	20	21	CP	Sacramento
H4*-2	Rev. of C37.111 - COMTRADE Standard	Das	35	45	CP	California
				24		El Dorado
<b>Lunch on your own</b>						

\* Indicates Standards Development Activity

WG /SC	TITLE	CHAIR	Att	CAP	A/V	Room
<b>TUESDAY 1:30 – 2:45 PM</b>						
C16	Relay Scheme Design Using Microprocessor Relays	Lascu	40	48	CP	California
I-11*	Guide for Application of Optical Instrument Transformers for Protective Relaying	Gilleland	30	29	CP	Berkeley
H11-1*	C37.118 Power Systems Synchronphasors Standard	Martin	40	90	CP	Quarter Deck
D22	Performance Testing of Transmission Line Relays for Freq. Response	Wiedman	25	24	CP	Amador
H14*	Revision of C37.115 Message Communications between IEDs	Tengdin	20	24	CP	El Dorado
J9-1	Motor Bus Transfer Issues and Applications Investigation	Gardell	25	21	CP	Santa Barbara
H5	Common Format for IED Configuration Data	Holbach	20	21	CP	Sacramento
D21-1	Investigate supporting IEC STD for Distance Relay Characteristics	Apostolov	30	45	CP	Mariposa
				24		LaJolla
<b>TUESDAY 3:00 – 4:15 PM</b>						
D21-2	Investigate supporting IEC STD for Distance Relay Characteristics	Apostolov	30	45	CP	Mariposa
H16*	Common Format for IED Event Data (PC37.239)	Adamiak	25	24	CP	El Dorado
D11	Effect of Distribution Automation on Relaying	Friend	30	29	CP	Berkeley
H11-2*	C37.118 Power Systems Synchronphasors Standard	Martin	40	90	CP	Quarter Deck
ITF1	Relay Service Letter Database	Jodice	15	24	CP	Amador
H9	Understanding comm. technology for protection Systems	Midence	35	48	CP	California
J9-2	Motor Bus Transfer Issues and Applications Investigation	Gardell	24	21	CP	Santa Barbara
K6	Sudden Pressure Protection for Transformers	Crellin	20	21	CP	LaJolla
				21		Sacramento
<b>TUESDAY 4:30 – 5:45 PM</b>						
I6	Practical aspects of Rogowski coil applications to relaying	Kojovic	20	21	CP	Sacramento
KTF3	Reducing Outages Through Improved Protection And Autorestation IN Transmission Substations	Pickett	20	24	CP	Amador
C17	Fault Current Contribution from Wind Farm Plants	Miller	40	90	CP	Quarter Deck
C13	Undervoltage Load Shedding	Begovic	15	24	CP	El Dorado
H1*	A guide for the application of digital teleprotection (PC37.xxx)	Benou	25	21	CP	Santa Barbara
D24	Transmission Line Applications of Direct. Ground OC Relays	Lukach	30	48	CP	California
				29	CP	Berkeley
D21-3	Investigate supporting IEC STD for Distance Relay Characteristics	Apostolov	30	45	CP	Mariposa
				24		LaJolla
<b>Tuesday 6:00 – 7:00 PM</b>						
	Advisory Committee	Sanders		48		California
	Awards and Recognition	Bolado		29		Berkeley

<b>WEDNESDAY SEPTEMBER 15, 2010</b>				cap		
<b>8:00-10:30AM SPOUSE BREAKFAST</b>						<b>Bay Grille</b>
<b>WEDNESDAY 8:00 – 9:15 AM</b>						
J8-1	Generator Tutorial Revision	Thompson	30	48	CP	<b>California</b>
D6	Transmission Line Model Parameter Validation	Seegers	25	24	CP	<b>Amador</b>
HTF3	IEEE/IEC Joint task force for C37.118/ & IEC1850	Martin	30	29	CP	<b>Berkeley</b>
KTF2	Investigate CT Column Flashover Protection Security	Fontana	20	24	CP	<b>El Dorado</b>
I5	Schematic Representation of Power System Relaying	Donahoe	40	45	CP	<b>Mariposa</b>
I9*	Standard for Qualifying Class 1E Relays and Auxiliaries for nuclear Plants(PC37.105)	Usman	20	21	CP	<b>Sacramento</b>
C5-1	Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units	Hackett	20	21	CP	<b>LaJolla</b>
H13*/C10-1	Understanding Requirements and Applications of the Substation Cyber Security Standards (PC37.xxx)	Kunsmann	50	90	CP	<b>Quarter Deck</b>
				24		<b>Santa Barbara</b>
<b>WEDNESDAY 9:30 – 10:45 AM</b>						
J8 -2	Generator Tutorial Revision	Thompson	30	48	CP	<b>California</b>
			30	24	CP	<b>Amador</b>
H12	Configuring Ethernet LAN infrastructure	Udren	30	29	CP	<b>Berkeley</b>
D9	Revision of C37.113 Guide for Protective Relay Applications to Transmission Lines	Sachdev	30	24	CP	<b>El Dorado</b>
I8*	Revision of Guide for Grounding of Instrument Transformers (C57.13.3)	Mugalian	30	21	CP	<b>Santa Barbara</b>
H7/C7-1*	IEEE 1588 Profile for Power System Applications	Antonova	50	45	CP	<b>Mariposa</b>
H13*/C10-2	Understanding Requirements and Applications of the Substation Cyber Security Standards (PC37.xxx)	Kunsmann	50	90	CP	<b>Quarter Deck</b>
C5-2	Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units	Hackett	20	24	CP	<b>LaJolla</b>
				24		<b>Sacramento</b>
<b>WEDNESDAY 11:00 – 12:15 PM</b>						
C15	Testing and Design of SIPS	Sykes	30	48	CP	<b>California</b>
I8*	Revision of Guide for Grounding Instrument Transformers	Mugalian	15	24	CP	<b>Amador</b>
H7/C7-2*	IEEE 1588 Profile for Power System Applications	Antonova	30	45	CP	<b>Mariposa</b>
JTF4	Gen Protection Issues – Stability and Dynamic Control of Power Systems	Stephan	30	90	CP	<b>Quarter Deck</b>
H18	Cyber Security for Protection Related Data Files	Makki	20	24	CP	<b>Amador</b>
Sub C4	SOE Requirements for Substation IED's	LaCroix	30	29	CP	<b>Berkeley</b>
				21		<b>LaJolla</b>
				21		<b>Sacramento</b>
				21		<b>Santa Barbara</b>
<b>Lunch on your own</b>						
WG /SC	<b>TITLE</b>	<b>CHAIR</b>				
<b>Wednesday 1:30 - 2:45 PM</b>						
<b>D</b>	<b>Line Protection</b>	McDonald	50	90		<b>Quarter Deck</b>
<b>H</b>	<b>Relay Communications</b>	Skendzik	50	48		<b>California</b>
<b>CO</b>	<b>Substation Committee</b>	Pruess	30	45		<b>Mariposa</b>
<b>Wednesday 3:00 – 4:15 PM</b>						
<b>K</b>	<b>Substation Protection</b>	Mysore	50	90		<b>Quarter Deck</b>
<b>I</b>	<b>Relay Practices</b>	Beresh	50	48		<b>California</b>
<b>Wednesday 4:30 – 5:45 PM</b>						
<b>J</b>	<b>Rotating Machinery</b>	Stephan	30	90		<b>California</b>
<b>C</b>	<b>System Protection</b>	Hunt	40	48		<b>Quarter Deck</b>

<b>Thursday September 16</b>			
7:00 – 8:00 AM	Continental Breakfast		
8:00 – 11:00 AM	Main Committee Meeting	Sanders	Angel/ Belvedere

\* Indicates Standards Development Activity

**Power System Relaying Committee  
Main Committee Meeting Agenda**

**Sept. 16, 2010  
Berkeley, CA  
8:00 – 11:00 AM**

- |  |                         |
|--|-------------------------|
| <b>I. Call to order / Introductions</b>                                | <b>Miriam Sanders</b>   |
| <b>II. Approval of Minutes/Financial Report</b>                        | <b>Roger Hedding</b>    |
| <b>III. Reports of Interest</b>  | <b>Miriam Sanders</b>   |
| <b>A. Technical Paper Coordinator's Report/Future Meetings</b>         | <b>Bob Pettigrew</b>    |
| <b>B. PES Report- points of interest</b>                               |                         |
| <b>C. CIGRE Report</b>   | <b>M. Adamiak</b>       |
| <b>D. UCA Report</b>   | <b>John Burger</b>      |
| <b>E. IAS Power System Protection Committee</b>                        | <b>Chuck Mozina</b>     |
| <b>F. IEC Report</b>   | <b>Eric Udren</b>       |
| <b>G. Standard Coordinator's Report</b>                                | <b>Jeff Gilbert</b>     |
| <b>H. Substation Committee Report</b>                                  | <b>Craig Pruess</b>     |
| <b>I. NERC Report</b>  | <b>Eric Allen</b>       |
| <b>J. Other Reports of Interest</b>                                    |                         |
| <b>IV. Advisory Committee Reports</b>                                  | <b>Miriam Sanders</b>   |
| <b>B1. Awards/ Recognition</b>   | <b>Oscar Bolado</b>     |
| <b>V. Subcommittee Reports</b>   | <b>Miriam Sanders</b>   |
| <b>C- System Protection</b>  | <b>Rich Hunt</b>        |
| <b>I - Relaying Practices</b>  | <b>Bob Beresh</b>       |
| <b>K - Substation Protection</b>                                       | <b>Pratap Mysore</b>    |
| <b>H - Relaying Communications</b>                                     | <b>Veselin Skendzik</b> |
| <b>D - Line Protection</b>   | <b>Mike McDonald</b>    |
| <b>J - Rotating Machinery</b>  | <b>Kevin Stephan</b>    |
| <b>VI. Presentations</b>   | <b>Roger Hedding</b>    |
| <b>Guide for Power System Protection Testing C11</b>                   | <b>Vahid Madani</b>     |
| <b>Processes, Issues, Trends, and Quality Control in Relay Systems</b> | <b>Steve Kunsman</b>    |
| <b>VII. Adjourn</b>  | <b>Miriam Sanders</b>   |