

# IEEE Substations Committee Schedule for Sunday, 4/6

	Misc	Companions	Meeting Participants
7:30 AM		Continental Breakfast (Mezzanine)	
8:00 AM	Registration (Lobby)		
8:30 AM			
9:00 AM		Tutorial: Design and Installation of Cable Systems in Substations (Std 525) (Cypress)	Tutorial: Gas Insulated Substations and Lines (Monterey)
9:30 AM			
10:00 AM		Morning Break (Mezzanine)	
10:30 AM			
11:00 AM		Tutorial: Design and Installation of Cable Systems in Substations (Std 525) (Cypress)	Tutorial: Gas Insulated Substations and Lines (Monterey)
11:30 AM			
12:00 PM		Lunch Break	
12:30 PM			
1:00 PM			
1:30 PM			
2:00 PM		Tutorial: Recommended Minimum Clearances in Substations (Std 1427) (Carmel)	
2:30 PM			
3:00 PM	Afternoon Break (Mezzanine)		
3:30 PM			
4:00 PM		Tutorial: Recommended Minimum Clearances in Substations (Std 1427) (Carmel)	
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM		New Member Orientation (Cypress)	
6:30 PM			
7:00 PM		Welcome Reception (Franciscan)	
7:30 PM			
8:00 PM			
8:30 PM			
9:00 PM			
9:30 PM			
10:00 PM			
10:30 PM			

Saturday      Registration 3-7pm (Lobby)

# IEEE Substations Committee Schedule for Monday, 4/7

		Meeting Participants										
	Misc (Lobby)	Companions (Windsor)	B/Fellows (Tudor B)	C (Tudor A)	D (Carmel)	F (Cypress)	G (Chart)	I (Tudor C)	K (Monterey)			
6:30 AM												
7:00 AM	Registration	Continental Breakfast*	B0	Continental Breakfast (Mezzanine)								
7:30 AM												
8:00 AM		Main Substation Committee (Empire)										
8:30 AM												
9:00 AM												
9:30 AM		Morning Break (Mezzanine)										
10:00 AM												
10:30 AM		Main Substation Committee (Empire)										
11:00 AM												
11:30 AM		Alcatraz Island Tour and Pier 39 Shopping (Meet in Lobby at 8:00am)	Awards Luncheon (Franciscan)									
12:00 PM												
12:30 PM												
1:00 PM	Fellows Working Group											
1:30 PM												
2:00 PM	Afternoon Break (Mezzanine)		C5	D0	F0,F0b,F0c	G0,G1,G2,G3	I0	K0,K4,K5				
2:30 PM												
3:00 PM	Afternoon Break (Mezzanine)											
3:30 PM												
4:00 PM	Technical Tour (Meet in Lobby at 4:00pm)		C3		F0,F0b,F0c		G0,G1,G2,G3		I0, I2		K0,K4,K5	
4:30 PM												
5:00 PM	B0 (Renaissance)											
5:30 PM												
6:00 PM												
6:30 PM												
7:00 PM												
7:30 PM												
8:00 PM												
8:30 PM												
9:00 PM												
9:30 PM												
10:00 PM												
10:30 PM												

## **IEEE Substations Committee Schedule for Monday, 4/7**

\*The Companion Continental Breakfast will be available until 10:00am.

# IEEE Substations Committee Schedule for Tuesday, 4/8

	Misc (Lobby)	Companions (Windsor)	Meeting Participants						I (Tudor C)	K (Monterey)
			B (Tudor B)	C (Tudor A)	D (Carmel)	F (Cypress)	D (Chart)			
6:30 AM										
7:00 AM	Registration	Continental Breakfast*	B0	Continental Breakfast (Mezzanine)						
7:30 AM										
8:00 AM		Castle Winery Tour and St. Helena Shopping (Meet in Lobby at 8:00am)		C0	D9	F1	D1	I4	K3	
8:30 AM										
9:00 AM										
9:30 AM										
10:00 AM			Morning Break (Mezzanine)							
10:30 AM										
11:00 AM				C0	D9	F1	D1	I4	K3	
11:30 AM										
12:00 PM			Lunch Break							
12:30 PM										
1:00 PM										
1:30 PM										
2:00 PM				D5	F1		I5	K2,K6		
2:30 PM			C2 TF1							
3:00 PM										
3:30 PM		Afternoon Break (Mezzanine)								
4:00 PM				D5	F1		I5	K2,K6		
4:30 PM										
5:00 PM										
5:30 PM										
6:00 PM			Technical Tour (Meet in Lobby at 6:00pm)							
6:30 PM									GIS Users Group	
7:00 PM										
7:30 PM										
8:00 PM										
8:30 PM										
9:00 PM										
9:30 PM										
10:00 PM										
10:30 PM										

## **IEEE Substations Committee Schedule for Tuesday, 4/8**

\*The Companion Continental Breakfast will be available until 10:00am.

# IEEE Substations Committee Schedule for Wednesday, 4/9

	Misc	Companions (Windsor)	Meeting Participants						
			B (Tudor B)	C (Tudor A)	D (Carmel)	F (Cypress)	F (Tudor B)	I (Tudor C)	K (Monterey)
6:30 AM									
7:00 AM			B0	Continental Breakfast (Mezzanine)					
7:30 AM									
8:00 AM									
8:30 AM									
9:00 AM		Continental Breakfast	C1	D3	F1				K1
9:30 AM							I4TF		
10:00 AM			Morning Break (Mezzanine)						
10:30 AM									
11:00 AM		Victorian Homes Tour (Meet in Lobby at 10:30am)			D3	F1		I4TF	K1
11:30 AM									
12:00 PM			Lunch Break						
12:30 PM									
1:00 PM									
1:30 PM					D7	F1	F2		K1
2:00 PM								I4TF	
2:30 PM									
3:00 PM			Afternoon Break (Mezzanine)						
3:30 PM									
4:00 PM					D7	F1	F2	I4TF	K1
4:30 PM									
5:00 PM									
5:30 PM			Social Banquet and Show (Meet in Lobby at 5:30pm, Dinner starts at 6:00pm, Show starts at 8:00pm)						
6:00 PM									
6:30 PM									
7:00 PM									
7:30 PM									
8:00 PM									
8:30 PM									
9:00 PM									
9:30 PM									
10:00 PM									
10:30 PM									

# IEEE Substations Committee Schedule for Thursday, 4/10

	Misc	Companions	Meeting Participants											
			B	C	D (Carmel)	F (Cypress)	G	I	K					
6:30 AM														
7:00 AM			Continental Breakfast (Mezzanine)											
7:30 AM														
8:00 AM														
8:30 AM														
9:00 AM					D4	F3								
9:30 AM														
10:00 AM			Morning Break (Mezzanine)											
10:30 AM														
11:00 AM					D4	F3								
11:30 AM														
12:00 PM			Lunch Break											
12:30 PM														
1:00 PM					D6	F3								
1:30 PM														
2:00 PM														
2:30 PM														
3:00 PM			Afternoon Break (Mezzanine)											
3:30 PM														
4:00 PM						F3								
4:30 PM														
5:00 PM														
5:30 PM														
6:00 PM														
6:30 PM														
7:00 PM														
7:30 PM														
8:00 PM														
8:30 PM														
9:00 PM														
9:30 PM														
10:00 PM														
10:30 PM														

## IEEE Substations Committee Status 2008

Working Group	Std	Status	Description	Chair	Comments
<b>C0 Groups - SCADA, Automation</b>				<b>Mike Dood</b>	
C1	1686	PUB	Substation Intelligent electronic Devices (IEDs) Cyber Security Standards	Sam Sciacca	Revcom approval in Dec 07 - looking to publish in Mar 08
C3	C37.1	PUB	standard for SCADA and Automation Systems	Craig Preuss	Revcom approval in Dec 07 - looking to publish in early 08
C3 - TF1	1615	PUB	Recommended Practices for Network Communications in Electric Power Substations	Michael Thesing	Published in Aug 07
C5	C37.2	BAL	Standard Electrical Power System Device Function Numbers and Contact Designations	John Tengdin	Recirculation ballot in Feb 08
C6	1711	NEW	Trial Use Standard for a Cryptographic Protocol for Cyber Security of substation Serial Links	Dave Whitehead	PAR submitted - draft 1 recently reviewed
<b>D0 Groups - Transmission and Distribution</b>				<b>Ken White</b>	
D1	1427	PUB tutorial 08	Guide for Recommended Electrical Clearances & Insulation Levels in Air-Insulated Electric Power Substations	Hamid Sharifnia	Published in 07
D3	605	BAL	Guide for the Design of Substation Bus Structures	Hanna Abdallah	Currently in ballot stage
D4	1246	REV 1	Guide for Temporary Protective Grounding systems Used in Substations	Lane Garrett	PAR approved - revision underway
D5	998	REV 1	Guide for Direct lightning Stroke Shielding of Substations	Bob Nowell	PAR approved to 2011 - New revisions underway
D6	81	REV 1	Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System	Dennis Decosta	Working to complete draft
D7	80	REV 1	Guide for Safety in AC Substation Grounding	Rich Keil	New information being reviewed
D9	837	REV 2	Standard for Qualifying Permanent Connections Used in Electrical Power Substation Grounding	Dave Kelley	Revisions underway

NEW - Brand new

REV - Existing standard being improved through revision

BAL - In balloting stage

PUB - Published recently



## IEEE Substations Committee Status 2008

Working Group	Std	Status	Description	Chair	Comments
<b>F0 Groups - West Coast</b>				<b>Randy Clelland</b>	
F1	693	REV 2	Recommended Practices for Seismic Design of Substations	Eric Fujisaki	New research being reviewed - revision underway
F2	525	REV 1 tutorial 08	Guide for Design and Installation of Cable Systems in Substations	Hanna Abdallah	Std approved Mar 07; Corrigendum approved Mar 08; publishing in 08
F3	979	REV 3	Guide for Substation Fire Protection	Don Delcourt	Final draft reviews underway prior to balloting
<b>G0 Groups - Environmental</b>				<b>Dave Harris</b>	
G2	980	REV 1	Guide for Containment and Control of Oil Spills in Substations	Dave Harris	Reaffirmed Mar 17/01 PAR for Revision approved Dec 06
G3	1402	REV 2	Guide for Electric Power Substation Physical and Electronic Security	Roland Youngberg	Published 06/00 Std will be revised; PAR approved til Dec 09
<b>I0 Groups - HV Power Electronics</b>				<b>George Karady</b>	
I2	1534	REV	Thyristor-Controlled Series Capacitors	George Karady	Resurrect from being withdrawn
I4			Static Var Compensators (SVC)	Hubert Bilodeau	Survey, User lists, Tutorial preparation
I4 - TF1	1031	REV 1	Guide for the Functional Specification of Transmission Static Var Compensators	Heinz Tyll	Revision underway
I5			Voltage-Sourced Converters (VSC)	Ben Mehraban	Prepare for Tutorial on VSC
<b>K0 Groups - Gas-Insulated (GIS)</b>				<b>Arun Arora</b>	
K1	C37.122	REV 2	Standard for High Voltage Gas-Insulated Substations, rated above 52 kV	John Brunke	Discussing draft 2
K1	C37.123		Guide to Specification for GIS Electric Power Substation Equipment	John Brunke	Reaffirmation underway
K2		tutorial 08	Tutorials and Panel Sessions - GIS / GIL / SF6	Hermann Koch	Planning of future events
K3	1663	NEW 5	MV GIS	George Becker	Revision underway
K4	1712	NEW	Guide for Sulphur Hexafluoride (SF6) Gas Handling for High Voltage Equipment	Luke van der Zel	Content review underway
K5	1677	NEW 2	GIL Application Guide	Darin Penner	First draft reviewed
K6		NEW	GIS Users Guide	Venkatesh Minisandram	

NEW - Brand new

REV - Existing standard being improved through revision

BAL - In balloting stage

PUB - Published recently