

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Spring 2015 Meeting; April 12-16
Hyatt Regency San Antonio Riverwalk; San Antonio, Texas USA

NOTES: See Page 4 for a key to abbreviations.

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM</u>
Friday, April 10					
8:00 am - 6:00 pm >	IEEE/IEC HVDC Transformers	HVDC	U. Radbrandt	18 US	Blanco (Hill Country Level)
1:00 pm - 5:00 pm >	IEEE/IEC Joint Review WG Step-Voltage Regulators C57.15 / 60076-21	Dist	C. Colopy	18 US	Pecan (Hill Country Level)
Saturday, April 11					
8:00 am - 6:00 pm	IEEE/IEC HVDC Transformers	HVDC	U. Radbrandt	18 US	Chula Vista (Lobby Level)
> 8:00 am - 5:00 pm >	IEEE/IEC Joint Review WG Step-Voltage Regulators C57.15 / 60076-21	Dist	C. Colopy	18 US	Pecan (Hill Country Level)
6:00 pm until ??	<u>Early Bird Event:</u> Dinner at Casa Rio Restaurant, then fun (and pianos!) at Howl at the Moon. -- Advance registration necessary. Limited attendance. Will sell out early! See flyer for details. -- Meet in hotel lobby at 5:45 pm. We will walk together to Casa Rio (4-5 minute walk). -- Room at Casa Rio opens at 6:00 pm; dinner served at 6:30. Must arrive at Howl at the Moon <u>before 8:00 pm</u> .				
Sunday, April 12					
1:00 pm - <u>5:30 pm</u>	Meeting Registration				Los Rios Foyer (Ballroom Level)
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	D. Platts	28 US	Chula Vista (Lobby Level)
<u>2:00 pm</u> - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	20 US	Live Oak (Hill Country Level)
6:00 pm - 8:00 pm	Welcome Reception			450 Reception	Regency Ballroom (Ballroom Level)
Monday, April 13 -- Monday Breaks Sponsored by Niagara Transformer Corp. **					
7:00 am - 5:00 pm	Meeting Registration				Los Rios Foyer (Ballroom Level)
<u>7:00 am</u> - 7:50 am	Newcomers Orientation -- Breakfast Meeting; arrive early! -- Newcomers & Guests are encouraged to attend!		S. Antosz	42 CL S2 (with buffet)	Rio Grande West (Ballroom Level)
7:00 am - 7:50 am	Distribution SC Leaders Coordination -- Closed breakfast meeting, by invitation only		S. Shull	16 BD	Pecos (Hill Country Level)
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			252 RT (9/tbl)	Regency East and Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			96 RT (8/tbl)	Garden Terrace
9:15 am - 4:00 pm	<u>Spouses/Companions Tour:</u> "Cooking San Antonio Style" -- Advance registration required. Limited attendance. -- Bus departs Hyatt at 9:15 am, and returns before 4:00 pm.				
8:00 am - 9:15 am >	Opening Session -- <u>All attendees</u> are encouraged to attend -- See separate document for meeting agenda -- Attendance recorded as eligibility for Committee membership		D. Platts	250 CL S1 300 TH 550 TOTAL	Regency Center/West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	

** Contact Joe Watson (joe_watson@ieee.org) if you are interested in sponsoring a coffee-break at a future meeting.

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Monday, April 13 (continued)					
	WG Failure Analysis & Report. C57.125	Power	Ballot resolution group formed.		Meeting elsewhere.
9:30 am - 10:45 am	TF Winding Temp. Indicators	IL	P. McClure	50 MX	Pecan
9:30 am - 10:45 am	WG Submersible Transf. C57.12.24	UTNP	G. Termini	60 MX	Chula Vista
9:30 am - 10:45 am	WG External Dielectric Clearances	DiTests	E. Davis	36 CL S2 40 TH	Live Oak
9:30 am - 10:45 am	WG Tertiary/Stabilizing Windings PC57.158	PCS	E. Betancourt	36 CL S2 50 TH	Rio Grande West
9:30 am - 10:45 am	TF Consolidation of Oil Guides	IF	T. Prevost	125 CL S3 100 TH	Regency Center
9:30 am - 10:45 am	WG Revision to C57.12.10	Power	G. Hoffman	125 CL S3 100 TH	Regency West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	
11:00 am - 12:15 pm	WG Ventilated Dry Type C57.12.51	Dry	S. Som	50 MX	Pecan
11:00 am - 12:15 pm	WG PD Acoustic Detection C57.127	DiTests	D. Gross	60 MX	Chula Vista
11:00 am - 12:15 pm	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	76 MX S2	Live Oak
11:00 am - 12:15 pm	WG Installation of Power Transf. C57.93	Power	M. Lau	86 MX S2	Rio Grande West
11:00 am - 12:15 pm	WG Moisture in Insulation PC57.162	IL	T. Prevost	225 MX S3	Regency Center
11:00 am - 12:15 pm	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	225 MX S3	Regency West
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Standards Development Review			B. Bartley	200 RT (8/tbl) Regency East
	-- <u>Everyone</u> is welcome to attend. All SC/WG/TF leaders are <u>highly encouraged</u> to attend.				
	-- Doors open ~12:00 pm. Come early, get a good seat, and start eating.				
	-- Registration necessary. No paper tickets. Admission verified at the door.				
	WG Determination of Winding Temp Rise	IL	Resolving ballot comments.		Meeting elsewhere.
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	T. Holdway	50 MX	Pecan
1:45 pm - 3:00 pm	WG Secondary Network Protectors C57.12.44	UTNP	B. Wimmer	60 MX	Chula Vista
1:45 pm - 3:00 pm	WG 1-ph Padmount Dist. Transformers C57.12.38	Dist	A. Ghafourian	76 MX S2	Live Oak
1:45 pm - 3:00 pm	TBD			86 MX S2	Rio Grande West
1:45 pm - 3:00 pm	WG Tank Rupture & Mitigation PC57.156	Power	P. Zhao	225 MX S3	Regency Center
1:45 pm - 3:00 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	225 MX S3	Regency West
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Regency Foyer	
3:15 pm - 4:30 pm	WG Milli-amp Current Transf. C57.13.7	IT	H. Alton	50 MX	Pecan
3:15 pm - 4:30 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	M. Sharp	60 MX	Chula Vista
3:15 pm - 4:30 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara	76 MX S2	Live Oak
3:15 pm - 4:30 pm	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	86 MX S2	Rio Grande West
3:15 pm - 4:30 pm	WG Dielectric Freq. Response PC57.161	DiTest	A. Naderian	225 MX S3	Regency Center
3:15 pm - 4:30 pm	WG Transformer Capability with Non-sinusoidal Loads PC57.110	PCS	R. Marek	225 MX S3	Regency West
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Regency Foyer	
4:45 pm - 6:00 pm	WG Dry-Type O&M Guide C57.94	Dry	D. Stankes	50 MX	Pecan
4:45 pm - 6:00 pm	WG PD in Bushings & PT/CTs PC57.160	DiTests	T. Hochanh	60 MX	Chula Vista
> 4:45 pm - 6:00 pm	WG Step-Voltage Regulators C57.15 / 60076-21 (cont'd from Sat)	Dist	C. Colopy	76 MX S2	Live Oak
4:45 pm - 6:00 pm	WG Oil Accept & Maint. Guide C57.106	IF	B. Rasor	86 MX S2	Rio Grande West
4:45 pm - 6:00 pm	WG Life Extension C57.140	Power	P. Boman	225 MX S3	Regency Center
4:45 pm - 6:00 pm	WG PCS Revisions to C57.12.00	PCS	T. Ansari	225 MX S3	Regency West

No Technical Tours or Social Events Planned

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Tuesday, April 14 -- Tuesday Breaks Sponsored by H-J Enterprises **					
7:00 am - <u>12:00 pm</u>	Meeting Registration				Los Rios Foyer
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			252 RT (9/tbl)	Regency East and Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			96 RT (8/tbl)	Garden Terrace
<u>7:00 am</u> - 7:50 am	EL&P Delegation (end-users only please) -- Breakfast Meeting; arrive early		J. Murphy	36 CL S2 (with buffet)	Rio Grande West
9:15 am - 4:30 pm	<u>Spouses/Companions Tour: "Cruising Through History Tour"</u> -- Advance registration required. Limited attendance. -- Bus departs Hyatt at 9:15 am, and return by 4:30 pm.				
	WG Oil Reclamation Guide PC57.637	IF	Will not meet.	Resolving ballot comments.	
8:00 am - 9:15 am	TBD			30 MX	<u>Pecos</u>
8:00 am - 9:15 am	WG Req. for Instrument Transf. C57.13	IT	R. McTaggart	50 MX	Pecan
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen	60 MX	Chula Vista
8:00 am - 9:15 am	WG Std Require for Bushings C57.19.01	Bush	S. Zhang	76 MX S2	Live Oak
8:00 am - 9:15 am	WG Geomagnetic Disturbances PC57.163	Stds	J. Verner	225 MX S3	Regency Center
8:00 am - 9:15 am	WG Functional Life Tests, De-energized Tap Changers (DETC) PC57.157	Power	P. Hopkinson	225 MX S3	Regency West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	
9:30 am - 10:45 am	WG Station Service Voltage Transformers	IT	D. Wallace	50 MX	Pecan
9:30 am - 10:45 am	WG 1-Ph Submersible Transf. C57.12.23	UTNP	A. Traut	60 MX	Chula Vista
9:30 am - 10:45 am	TF for Distribution Transf. Bushings NEW!	Bush	S. Shull	76 MX S2	Live Oak
9:30 am - 10:45 am	TF Committee History	Mtgs	P. Balma	36 CL S2 50 TH	Rio Grande West
9:30 am - 10:45 am	WG Shunt Reactors C57.21	PCS	S. Som	225 MX S3	Regency Center
9:30 am - 10:45 am	WG Wind Turbine Transf. P60076-16	PCS	D. Buckmaster	225 MX S3	Regency West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	
11:00 am - 12:15 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponksi	50 MX	Pecan
11:00 am - 12:15 pm	WG Phase Shift Transf. 60076-57-1202	Power	R. Ahuja	60 MX	Chula Vista
11:00 am - 12:15 pm	WG GSU Bushings PC57.19.04	Bush	S. Digby	76 MX S2	Live Oak
11:00 am - 12:15 pm	WG Impulse Tests C57.138 (Distribution)	DiTests	A. Molden	86 MX S2	Rio Grande West
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	D. Wallach	225 MX S3	Regency Center
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	M. Miller	225 MX S3	Regency West
12:15 pm - 1:30 pm	<u>Awards Luncheon</u> -- Doors open ~12:00 pm. Come early, get a good seat, and start eating. -- Advance registration is necessary. Paper tickets are not provided. Admission verified at the door.				
	TF Fluid Terms Normalization	Stds	Will not meet.	Work is complete.	
	WG DGA During Factory Temperature Rise Tests PC57.130	IF	Will not meet.	Resolving ballot comments.	
1:45 pm - 3:00 pm	WG 3-ph Transf. Connections PC57.105	PCS	A. Bromley	50 MX	Pecan
1:45 pm - 3:00 pm	TF Tap-Changer C57.131 / 60214-1	Power	C. Colopy	60 MX	Chula Vista
1:45 pm - 3:00 pm	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	76 MX S2	Live Oak
1:45 pm - 3:00 pm	TF Through-Fault Current Duration PC57.109	PCS	V. Mehrotra	86 MX S2	Rio Grande West
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	225 MX S3	Regency Center
1:45 pm - 3:00 pm	WG DPV Grid Transformers PC57.159	PCS	H. Shertukde	225 MX S3	Regency West
3:00 pm - 3:15 pm	<i>Break (beverages and Pretzels!)</i>			Regency Foyer	

** Contact Joe Watson (joe_watson@ieee.org) if you are interested in sponsoring a coffee-break at a future meeting.

KEY

Note: A PC projector will be furnished in each meeting room. Arrive early to ensure that equipment operates/syncs correctly.

Overhead projectors are available from the hotel with advance notice.

> -- activity continued into another session / from another session

++ -- not a Transformers Committee activity TBD = "To Be Determined"

FC = flip chart; S1 = sound (special set-up)

S2 = stand mic in front only; S3 = one stand mic in front & stand mic(s) at mid-room

BD -- boardroom

US -- U-shape

RT -- multiple roundtables

CL -- classroom seating (w/head table for 2)

TH -- theater seating (w/head table for 2)

MX -- mix classroom & theater (w/head table)

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Tuesday, April 14 (continued)					
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	30 MX	<u>Pecos</u>
3:15 pm - 4:30 pm	WG Tap-Changer Applic. Guide 60214-2	Power	C. Colopy	50 MX	Pecan
3:15 pm - 4:30 pm	WG Test Data Reporting C57.12.37	Dist	T. Callsen	60 MX	Chula Vista
3:15 pm - 4:30 pm	WG Application of High-Temp Insulation Materials, IEEE P-1276	IL	M. Franchek	76 MX S2	Live Oak
3:15 pm - 4:30 pm	TF Core Gassing & Grounding	PCS	D. Buckmaster	225 MX S3	Regency Center
3:15 pm - 4:30 pm	TF Switching Transients Induced by Transf/Breaker Interaction C57.142	PCS	J. McBride	225 MX S3	Regency West
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Regency Foyer	
4:45 pm - 6:00 pm	WG Neutral Grounding Devices PC57.32	PCS	S. Kennedy	30 MX	<u>Pecos</u>
4:45 pm - 6:00 pm	TF for Cross Reference of IEEE to IEC	Stds	V. Mehrotra	50 MX	Pecan
4:45 pm - 6:00 pm	WG Tank Pressure Coordinat. C57.12.39	Dist	C. Gaytan	60 MX	Chula Vista
4:45 pm - 6:00 pm	WG Transf. Paralleling Guide PC57.153	Power	T. Jauch	76 MX S2	Live Oak
4:45 pm - 6:00 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	225 MX S3	Regency Center
4:45 pm - 6:00 pm	WG Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	P. Riffon	225 MX S3	Regency West
No Technical Tours or Social Events Planned					
Wednesday, April 15 -- Wednesday Breaks Sponsored by Dupont **					
No Meeting Registration, No Technical Tours, No Spouse/Companion Tours					
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			<u>225</u> RT (9/tbl)	Regency East and Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			<u>88</u> RT (8/tbl)	Garden Terrace
7:00 am - 7:50 am	SC Meetings Planning	Mtgs	G. Anderson	30 CL	Pecan
7:00 am - 8:30 am	IEC TC-14 Technical Advisory Group -- Breakfast Meeting; arrive early -- All interested individuals welcome	++	P. Hopkinson	60 CL S2 (with buffet)	Chula Vista
8:00 am - 9:15 am	SC Instrument Transformers	IT	R. McTaggart	30 CL S2 70 TH	Live Oak
8:00 am - 9:15 am	SC Insulation Life	IL	B. Forsyth	250 CL S3 100 TH	Regency Center/West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	
9:30 am - 10:45 am	SC Bushings	Bush	P. Zhao	100 MX S2	Live Oak
9:30 am - 10:45 am	SC Distribution Transformers	Dist	S. Shull	350 MX S3	Regency Center/West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	

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Wednesday, April 15 (continued)					
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	D. Mulkey	100 MX S2	Live Oak
11:00 am - 12:15 pm	SC Dielectric Tests	DiTests	M. Franchek	350 MX S3	Regency Center/West
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	100 MX S2	Live Oak
1:30 pm - 2:45 pm	SC Power Transformers	Power	J. Watson	350 MX S3	Regency Center/West
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Regency Foyer	
3:00 pm - 4:15 pm	SC Insulating Fluids	IF	D. Wallach	100 MX S2	Live Oak
3:00 pm - 4:15 pm	SC Performance Characteristics	PCS	E. teNyenhuis	350 MX S3	Regency Center/West
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Regency Foyer	
4:30 pm - 5:45 pm	SC Standards	Stds	B. Bartley	350 MX S3	Regency Center/West
6:00 pm - 9:00 pm	<u>Dinner Social</u> : Jack Guenther Pavilion at Briscoe Western Art Museum. -- Advance registration required. See flyer for info. -- The Pavilion is located 4-5 blocks from the Hyatt (6-7 minute walk). A small shuttle bus marked "IEEE" will provide transportation if you need, shuttling approx every 10 minutes, 5:30 to 9:30 pm. -- Doors open at 6:00 pm; cash bar 6:00 to 9:00 pm; buffet open at 7:00 pm. -- Museum open 6:00 to 9:00 pm for self-guided tours. -- Paper tickets will not be provided. Admission will be verified with registration list as you enter the Pavilion.				

Thursday, April 16

	No Meeting Registration, No Spouses/Companions Tours, No Technical Tours, No EPRI TF Meeting				
7:00 am - 8:00 am	Breakfast - Attendees <u>Your choice</u> : Either sit-down buffet in Garden Terrace (1st Floor), or continental breakfast in Regency Foyer (Ballroom Level)			150 RT (8/tbl) + high boys in Foyer	Garden Terrace & Regency Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions			150 RT (8/tbl)	Garden Terrace
8:00 am - 9:15 am	Technical Presentation #1: "Transportation of Transformers, The Hot Buttons", by Blaydon, Boman, Nunn, van den Berg, et al. ** Sponsored by Power Transformers SC. See flyer on website			250 CL S1 200 TH	Regency Center/West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	
9:30 am - 10:45 am	Technical Presentation #2: "Core Gassing & Grounding", by Buckmaster, Hopkinson, Whitehead, et al. ** Sponsored by Performance Characteristics SC. See flyer.			450 MX S1	Regency Center/West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	
> 11:00 am - 12:00 pm	Closing Session -- All attendees are encouraged to attend -- See separate document for meeting agenda		D. Platts	450 MX S1	Regency Center/West
	No Technical Tours				

Friday, April 16

No Committee Meetings

** Contact Tom Prevost (tprevost@ieee.org) if you are interested in making a technical presentation at a future meeting.

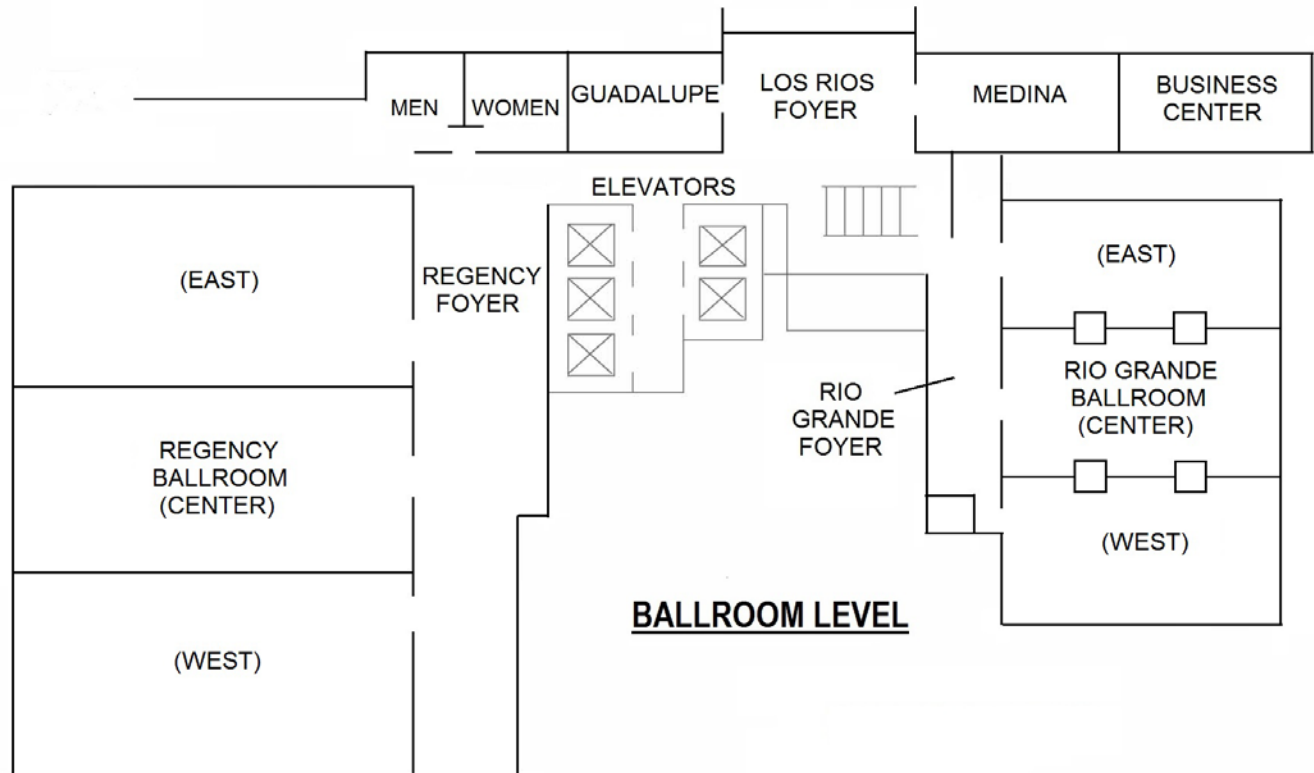
FUTURE COMMITTEE MEETINGS

Fall 2015 - November 1-5; Memphis, Tennessee

Spring 2016 - Dates TBD; Location TBD

Hyatt Regency San Antonio Riverwalk

123 Losoya Street; San Antonio, Texas 78205
(210) 222-1234



Lobby Level

Chula Vista

Chula Vista Boardroom

Hill Country Level (directly above Ballroom Level)

Pecan

Pecos

Live Oak

Blanco

Mesquite

Llano

2nd Floor - Ballroom Level (see above floorplan)

Los Rios Foyer: Meeting Registration

Regency Foyer: Breaks

Regency Ballroom East: Attendees Breakfasts & Lunches

Regency Ballroom Center & West

Rio Grande Ballroom West

1st Floor - Guest Room Level

Garden Terrace: Spouses/Companions Breakfasts