



INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2015 Meeting, Clearwater Beach, FL

FINAL AGENDA – 03/30/15

Administrative Activities

SATURDAY, APRIL 11, 2015			
TIME	ACTIVITY	CHAIRS	ROOM
12:00 - 2:00 PM	Pre-Con Meeting with Hotel (Champion, Frentzas, Bascom, Smith, Arnold, Hiivala, Wentzel, Hotel)	Champion / Frentzas	Palm Boardroom
2:00 - 5:00 PM	ExCom¹ Meeting - Executive Session (Champion, Frentzas, Bascom, Smith, Arnold, Hiivala, and Wentzel)	Champion / Frentzas	Palm Boardroom
SUNDAY, APRIL 12, 2015			
9:00 – 11:00AM	Treasurer's Meeting - (Frentzas, Smith, Bascom, Arnold)	Frentzas	Palm Boardroom
12:00 - 3:45PM	AdCom² Opening Meeting - (Champion, Frentzas, Smith, Bascom, Arnold, Hiivala, Fenger, Walton, Bader, Mueller, Szyszko, Geene, DePriest, Maldonado, Fenger, Cherukupalli, Smalley, Gulski, Mosier, Petzold, Tirinzoni, Merando, Madden, von Herrmann, Orton, Wen, Wentzel)	Champion / Frentzas	Salon A/B
4:00 – 5:00PM	Advisory Committee Meeting - (Smalley, Madden, Smith, Champion, Frentzas, Bascom, Orton, past ICC Chairs)	Smalley / Madden	Salon A/B
MONDAY, APRIL 13 2015			
7:00 – 7:45AM	All Chairs Meeting - (Subcommittee, Working Group, Discussion Group, Transnational, Education, and Standards: Chairs and Vice-Chairs)	Champion / Frentzas	Salon A/B/C/D
7:45 – 8:00AM	All Chairs Mtg. – Sub A Breakout	Walton / Wen	Tarpon
	All Chairs Mtg. – Sub B Breakout	Bader / Szyszko	Dolphin
	All Chairs Mtg. – Sub C Breakout	Geene / Mueller	Coral
	All Chairs Mtg. – Sub D Breakout	Maldonado / Depriest	Marlin
	All Chairs Mtg. – Sub F Breakout	Fenger / Cherukupalli	Executive Conference Room/Mandalay
	All Chairs Mtg. – Sub G Breakout	Petzold / Gulski	Mangrove
TUESDAY, APRIL 14, 2015			
7:00 – 7:45AM	Training Session – Open to All ICC Attendees	Hiivala	Salon A/B/C/D (Training on Roberts Rules of Order)
WEDNESDAY, APRIL 15, 2015			
7:00 – 7:45AM	Training Session – Open to All ICC Attendees	Hiivala	Salon A/B/C/D (Training on IEEE Policies and Procedures for Working / Discussion Groups)
12:00 PM – 2:00 PM	AdCom Wrap-Up Meeting - (Champion, Frentzas, Bascom, Smith, Arnold, Hiivala, Fenger, Walton, Bader, Mueller, Szyszko, Geene, DePriest, Maldonado, Fenger, Cherukupalli, Smalley, Gulski, Mosier, Petzold, Tirinzoni, Merando, Madden, von Herrmann, Orton, Wen, Wentzel)	Champion / Frentzas	Executive Conference Room/ Mandalay

¹ ExCom is the Executive Committee.

² AdCom is the Administrative Committee.

ICC Office – Agave Office Suite



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ICC MEETING SCHEDULE

SUNDAY, APRIL 12, 2015			
TIME	ACTIVITY	CHAIRS	ROOM
12:30 – 4:00PM	Registration (On-Site Registration & Registration Package Pickup)	Arnold / B. Taylor	Executive Conference Room Foyer
4:00 – 4:30PM	Insulated Conductors Committee ORIENTATION Are you new? Come and learn about the ICC, meet some new people, and maybe get some ICC SWAG.	J. Smith	Executive Conference Room/ Mandalay
4:00 – 5:00PM	Social for ICC Women Engineers Network with other women engaged in the engineer profession. This is the second organizing meeting to determine the level of interest within the group.	Mosier / Flenniken	Citrus
12:30 – 5:00PM	Table Top Displays		Grand Ballroom Foyer
5:00 – 7:00PM	RECEPTION – All Attendees		Sandpiper and Flamingo Decks Rain Backup: Salon F/G

Please note that only those meetings listed on this schedule are sponsored or co-sponsored by ICC.



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MONDAY, APRIL 13, 2015 - AM SESSIONS					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM - 12:00 PM		Registration	Arnold	Executive Conference Room Foyer	On-Site Registration & Registration Package Pickup
7:00 AM - 8:00 AM		All Chairs Meeting (For Subcommittee, WG, DG, Education, Communications, and Standards Chairs & Vice-Chairs)	Champion / Frentzas	Salon A/B/C/D	ICC Meeting, Subcommittee, WG/DG Operational Announcements
7:00 AM - 8:00 AM		Presentation Pre-load and Test All Presenters MUST Pre-load	T. Richardson	Salon E/F/G	Subcommittee presentation loadings on ICC Computer
7:30 AM - 5:30 PM		Table Top Displays		Grand Ballroom Foyer	Product/Services Exhibitions
8:00 AM - 9:00 AM		OPENING SESSION All Attendees	Champion/ Frentzas	Salon E/F/G	ICC Meeting Announcements, IEEE, PES & ICC Awards, Speaker Presentation
9:15 AM - 12:30 PM	A	CABLE CONSTRUCTION & DESIGN	Walton / Wen	Salon E/F	Technical Presentations
BREAKOUT WG/DG MEETINGS <small>*(see notes on next page)</small>					
9:15 AM - 10:15 AM	B01D	Revision of IEEE 48 - Cable Termination Standard	Taylor/Norris	Mangrove	Discussion on changes that need to be made to the standard.
	B19D	Cable Prep Techniques for Installing Accessories (1816)	Crotty / Smalley	Executive/Mandalay	Continue discussion on what information should be in the next revision.
	C13D	Installation of Cables Using Trenchless Techniques	Goyette / Williams	Waters Edge A	Presentation on HDD Case Study for Woodbridge Energy Center.
	D19W	Determining Performance of Fire Resistive Cables in Nuclear Facilities (1844)	G. Taylor / Shoshani	Waters Edge B	Finalize draft standard and prepare to submit for balloting.
	F10D	Diagnostic Testing for Cable Joints & Terminations	Jiang / Hayden	Waters Edge C	Presentations and discussion on diagnostic testing of cable accessories.
10:30 AM - 12:30 PM	B05D	Connection of Cables to GIS (1300)	Frentzas / Whiteside	Mangrove	Discussions and update/presentation on current CIGRE work.
	B21D	Application Guide for Cable Joints (new)	McLaughlin / Campbell	Executive/Mandalay	Continue to review/edit content for a proposed guide.
	C01D	Ampacity Topics (835)	Purnhagen / Goyette	Waters Edge A	Superposition theory presentation & discussion of impacts of steel casings on ratings.
	D15D / D05D	Flame Propagation Testing (1202) / Station Cable Installation Criteria (1185)	C. Hills / G. Taylor / Merando / Graham	Waters Edge B	PAR submittal update and work on framework of new standard. / Discuss revision/update to 1185 (expires in 2020).
	F05W	Damped AC Voltage Testing	Gulski/Patterson	Waters Edge C	Discussion on the guide document for DAC voltage testing.



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ICC MEETING SCHEDULE

MONDAY, APRIL 13, 2015 - PM SESSIONS					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:30 PM - 2:00 PM	NETWORKING LUNCHEON <i>(Must Register for This)</i>		Orton / Boone	Salon A/B/C/D	Individual Professional Networking; Invitational Presentations
2:00 PM - 5:30 PM	B	CABLE ACCESSORIES	Bader / Szyszko	Salon E/F	Technical Presentations
BREAKOUT WG/DG MEETINGS*					
2:00 PM - 3:15 PM	A07W	Selecting/Testing Jackets for Underground Cables (532)	Caronia / Joseph	Mangrove	Review and discuss progress on writing sections.
	C34D	Mitigating Manhole Explosions	Black / Vacant	Executive/Mandalay	Finalization of White Paper.
	C Ad Hoc	HVDC Cable Systems	Lindsay / Vacant	Waters Edge A	Presentations and discussion on two HVDC transmission projects.
	D22D	Cables For Hazardous Locations in Petrochemical Plants	Laudicina / Bayer	Waters Edge B	Develop and submit the PAR. Begin work on writing the standard.
	G10D	International Organizations	Zenger / Orton	Waters Edge C	Update on Cigre SC B1; update on IEC activities; update on Cigre Tutorials; NEW WG Service Reliability; WG updates.
3:30 PM - 5:30 PM	A10D	Conductors	Joy / Luke	Mangrove	Discussion on UG cable resistance & current heating of the transmission and MV systems.
	C30W	Life Extension of Power Cables in the Field (1879)	Bernstein / Piteo	Executive/Mandalay	Review Cable Rejuvenation Draft Guide sections.
	C31D	HPFF/HPGF Pipe Type Cable Systems	Mueller / Koonce	Waters Edge A	Presentations on pipe-type repairs and PD testing.
	D20D	Submergence Testing of Nuclear Facilities Cables	Depriest / Fleming	Waters Edge B	Start development of a Cable Guide for Nuclear Power Plants.
	F04W	Partial Discharge Testing in the Field (400.3)	Levine / Walton	Waters Edge C	Work on new draft of sections 6 and 7 of 400.3

General Meeting Notes – Monday, 04/13/2015

* Breakout Working Group (WG) and Discussion Group (DG) meetings are held concurrent with Subcommittee Sessions, in different rooms as noted. Groups ending with a “W” (e.g. D11W) are working groups, with an active PAR working to complete a standard or guide. Groups ending with a “D” (e.g. B17D) are discussion groups, discussing various things related to their title. Attendees are welcome to attend all general session, subcommittee, discussion group, and working group meetings.	
1 - Guest/Spouse Breakfast, 8:00 – 9:30AM: Citrus	4 - Breaks 10:00 – 10:30 AM, 3:00 – 3:30PM, Room: Grand Ballroom Foyer
2 - Guest/Spouse Meeting Space (Hospitality), 9:30AM – 5:30PM: Room: Citrus	5 - See Bulletin Boards at Registration Area for Specifics
3 - ICC Attendee Breakfast, 7:00 – 8:00AM, Room: Grand Ballroom Foyer	



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FINAL AGENDA – 03/30/15

ICC MEETING SCHEDULE

TUESDAY, APRIL 14, 2015 - AM SESSIONS					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM - 11:00 AM		Registration	Arnold	Executive Conference Room Foyer	On-Site Registration
7:00 AM – 8:00 AM		Presentation Pre-load and Test All Presenters MUST Pre-load	T. Richardson	Salon E/F	Subcommittee presentation loadings on ICC Computer
7:00 AM - 8:00 AM		Training Session (General Membership) (Open to all who want to know more about ICC Operations and the Conduct of Business – <i>Advance Registration Req.</i>)	Hiivala	Salon A/B/C/D	Training on Roberts Rules of Order for Working and Discussion Groups.
7:30 AM - 5:30 PM		Table Top Displays		Grand Ballroom Foyer	Product/Services Exhibitions
8:00 AM – 12:00 PM	D	GENERATING STATION AND INDUSTRIAL CABLES	Maldonado / Depriest	Salon E/F	Technical Presentations
BREAKOUT WG/DG MEETINGS					
8:00 AM - 10:00 AM	A20D	Low Voltage Cable Systems Rated ≤ 600V	Flenniken / Brigandi	Mangrove	Two presentations are planned, a call to fill the Vice Chair position, & general discussion on topics for LV cable guide
	B02D	Cable Joint Standard (404)	Madden / Jovanovic	Executive/Mandalay	Last meeting under B02D. Review first draft outlines for the two new discussion groups.
	B17W	Guide for Faulted Circuit Indicators (1610)	Angerer / Reed-Harmel	Waters Edge A	Continue to clean up P1610 to prepare for ballot.
	C05W	Guide to the Use of Gas-in-Fluid Analysis for Electric Power Cable Systems (1406)	Purnhagen / Johnson	Waters Edge B	Continue to review comments & edit the DGA guide with goal to complete by the next mtg.
	C11D	Submarine Cables (1120)	Orton / Campilii	Waters Edge C	Presentations on submarine cable installations and operational issues.
10:15 AM - 12:00 PM	A14D	Power Cable Standards	Smalley / Richardson	Mangrove	Updates from IEC, ICEA, AEIC and UL.
	B09D	Guide for Cable Cleaning Solvents (1493)	Lauxman / Fosse	Executive/Mandalay	Final discussion of guide 1493 PAR.
	C02D	Guide for Bonding High Voltage Cable Sheaths (575)	Buckweitz / Champion	Waters Edge A	Review present standard and discuss additions to next version of document.
	C29D	Induced Voltage Work Procedures (1727)	Argaut / Uddin	Waters Edge B	Discussion on future additions & changes, community acceptance, & induced voltages.
	F06D	DC Field Testing of Extruded Cable Systems	Larzelere / Vacant	Waters Edge C	Discussion of Interested Parties to determine if work should proceed to initiate a PAR and activate the group.

General Meeting Notes – Tuesday, 04/14/2015

1-Guest/Spouse Breakfast, 8:00 – 9:30AM, Room: Citrus	4-ICC Attendee Breaks 9:45 – 10:15AM, 3:00 – 3:30PM, Room: Grand Ballroom Foyer
2-Guest/Spouse Meeting Space (Hospitality), 9:30AM – 5:30PM, Room: Citrus	5-See Bulletin Boards at Registration Area for Specifics
3-Attendee Breakfast, 7:00 – 8:00AM, Room: Grand Ballroom Foyer	



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TUESDAY, APRIL 14, 2015 - PM SESSIONS					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:15 PM - 2:00PM	G	TRANSNATIONAL LUNCHEON <i>(Must Register for This)</i>	Petzold / Gulski	Salon A/B/C/D	International Meetings Announcements and Technical
2:00 PM - 5:30 PM	C	CABLE SYSTEMS	Geene / Mueller	Salon E/F	Technical Presentations
BREAKOUT WG/DG MEETINGS					
2:00 PM - 3:15 PM	A16D	Characteristics of EPR Cables	Hayes / Fleming	Mangrove	MLG&W presentation on UG cable evaluation program using AC & impulse breakdown data for 24 year old field aged cables.
	A19D	Covered Conductors	Campbell / Nuckles	Executive/Mandalay	Develop PAR and discuss topics for a proposed covered conductor guide.
	B10D	Guide for Cable Terminations (1637)	B. Taylor / Jibril	Waters Edge A	Review of newly written sections of the document and finalizing of the outline.
	D01D / D03D	Shipboard Cable Systems / Select/Specify Petro-Chem Cables (1242)	Savage / Maldonado / Bow	Waters Edge B	Final review of 45.8 before balloting. / Final review of 1242 before balloting.
	F11W	Constant Voltage AC Field Testing of Cable Systems	Fenger / Denmon	Waters Edge C	Presentations on test experiences. Discussion of document structure.
3:30 PM - 5:30 PM	A08D	Tests for Compatibility of Cable Pulling Lubricants with Wire & Cable (1210)	McAuliffe / Vacant	Mangrove	Begin work on revisions of IEEE STD 1210.
	B16W	Separable Insulated Connectors (386)	Wall / Hughes	Executive/Mandalay	Review the latest draft revision of IEEE 386.
	E Ad Hoc	Impact of New Technologies & Economic Issues on ICC and Our Industry	Champion/Frentzas	Waters Edge A	The discussion will concentrate on latest industry news and how ICC needs to adjust to industry changes.
	D18W	Installation Guide for Fire-Rated Circuit Integrity Cables in Petro & Chem Industries (1810)	Shoshani / Bayer	Waters Edge B	Review draft for armor as a ground, splices, ampacity, voltage drop and resistance.
	F07D	Guide on Neutral Corrosion in MV Underground Cables (1617)	Buchholz / Vacant	Waters Edge C	Draft title, scope and objectives for a new guide on shield/neutral corrosion in jacketed and unjacketed cables. Discuss this issue.

General Meeting Notes – Tuesday, 04/14/2015

1-Guest/Spouse Breakfast, 8:00 – 9:30AM, Room: Citrus	4-ICC Attendee Breaks 9:45 – 10:15AM, 3:00 – 3:30PM, Room: Grand Ballroom Foyer
2-Guest/Spouse Meeting Space (Hospitality), 9:30 AM – 5:30PM, Room: Citrus	5-See Bulletin Boards at Registration Area for Specifics
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ICC MEETING SCHEDULE

WEDNESDAY, APRIL 15, 2015 - AM & PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM	Presentation Pre-load and Test – All Presenters MUST Pre-load		T. Richardson	Salons E/F	Subcommittee Presentation Loadings on ICC Computer
7:00 AM - 8:00 AM	Training Session (General Membership) (For all who want to know more about ICC Operations and the Conduct of Business – <i>Advance Registration Required</i>)		Hiivala	Salon A/B/C/D	Training on IEEE Policies and Procedures for Working / Discussion Groups.
8:00 AM - 12:00 PM	F	FIELD TESTING AND DIAGNOSTICS	Fenger / Cherukupalli	Salon E/F	Technical Presentations
BREAKOUT WG/DG MEETINGS					
8:00AM – 10:00AM	A13D	Accelerated Aging Tests for 5-35 kV Extruded Cables using Water Tanks (1407)	Walton / Wald	Mangrove	Discuss outline for revised 1407 Standard, assign writing groups.
	B03D	Exposed Semi-Con Shields Test (592)	Richardson / Kamel	Executive/Mandalay	Continue IEEE-592 review and discussion of the test program at NEETRAC.
	C33D	Renewable Energies	Joy / Patel	Waters Edge A	Cable hookups to wind & solar systems, discussion on solar push out by utilities.
	C36D	Real Time and Dynamic Current Rating	Grodzinski / Chaaban	Waters Edge B	Review of the first draft of the guide.
	D21W	Circuit Integrity of Fire Resistive Cables in Tunnels & Transit Apps (2412)	Conrad / Stansberry	Waters Edge C	Begin development and drafting of new test procedure.
10:15 AM - 12:00 PM	A06D	Accelerated Electrical Aging	Wald / Caronia	Mangrove Executive/Mandalay	Presentations on accelerated cable aging.
	B16W	Separable Insulated Connectors (386)	Wall / Hughes	Waters Edge A Waters Edge B	Review the latest draft revision of IEEE 386.
	D10W	Qualifying Class 1E Cables and Field Splices for Nuclear Power Plants (383)	Konnik / Gwal	Waters Edge C	Review ballot comments if required and work on white paper of changes.
12:00 PM – 1:00 PM	EDUCATIONAL LUNCHEON (Must Register for This)			Salon A/B/C/D	
1:00 PM - 5:00 PM	EDUCATIONAL PROGRAM⁶ Evolution of Medium Voltage Cable		Tirinzoni / Mosier	Salon E/F	Multiple presentations discussing the history of MV cable design, including materials, manufacturing, design innovations, testing, and future trends.

General Meeting Notes – Wednesday, 04/15/2015

1-Guest/Spouse Breakfast, 8:00 – 9:30AM, Room: Citrus	4-ICC Attendee Breaks 9:45 – 10:15AM, 2:45 – 3:15PM Room: Grand Ballroom Foyer
2-Guest/Spouse Meeting Space (Hospitality), 9:30AM – 5:30PM, Room: Citrus	5-See bulletin Board at Registration Area for Specifics
3-Attendee Breakfast, 7:00 – 8:00AM, Room: Grand Ballroom Foyer	
6-0.4 CEUs granted for this session. You must register and attend in order to receive CEUs. To receive these credits towards a Florida PE License, you MUST provide Thomas Arnold	



with your FL PE License number prior to the session.

Layout CONFERENCE LEVEL

Meeting Rooms – Conference Level

- Agave Office Suite
- Citrus
- Coral
- Dolphin
- Executive Conference
- Grand Ballroom (Salon B, C, C, D, E, F, and G)
- Manatee
- Mandalay
- Mangrove
- Marlin
- Palm Boardroom
- Tarpon
- Waters Edge Ballroom (A, B, C)
- White Sands

