



INSULATED CONDUCTORS COMMITTEE

Established 1947

Fall 2019 Meeting – Scottsdale, Arizona (USA)

DRAFT AGENDA 29-August-2019

ICC MEETING SCHEDULE

MONDAY, 21-OCTOBER-2019 (21.10.2019) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM		Attendee Breakfast	Bascom / Geene		Registered ICC Meeting Attendees (Only)
8:00 AM – 9:30 AM		Spouse / Companion Breakfast*	Bascom		Registered Spouse/Companions ONLY
7:00AM-8:00AM		All Chairs Breakfast Meeting - (For Subcommittee, WG, DG, Education, Communications, and Standards Chairs & Vice-Chairs)	Bascom / Geene		ICC Meeting, Subcommittee, WG/DG Operational Announcements
7:00AM–8:00AM		Presentation Pre-load and Test All Presenters MUST Pre-load	TBD		Subcommittee presentation loadings on ICC Computer
7:00AM-12:00PM		Registration	Arnold / B. Taylor		On-Site Registration & Registration Package Pickup
7:30AM-5:30PM		Table Top Displays			Product/Services Exhibitions
8:00 -9:00 AM		OPENING SESSION (All Attendees)	Bascom / Geene		Announcements and Awards
9:15-11:45 AM	D	GENERATING STATION AND INDUSTRIAL CABLES	G.Taylor / Laudicina		Technical Presentations
11:45-12:15PM	D06W	IEEE Guide for Installation Fiber-Optic Cables (1428)	Cunningham / Wobick		Continue standard revision
BREAKOUT WG/DG MEETINGS <small>(see notes on Page 1)</small>					
9:15 AM - 10:15 AM	A05W	Properties of Identifiable Jackets (IEEE Std. P-1235)	Guo / Raut		Presentations and formation of the working group – people intending to join the working group please be sure to attend.
	B12W	Guide for Investigating & Analyzing Shielded Power Cable Failures on Sys Rated 5kV - 46kV (1511 & 1511.1)	Bader / Ayres		Briefly review outline for proposed content and discuss organization and layout of proposed guide.
	A11W	IEEE 1142: Guide for the Sel., Test., App. & Install. of Cables w/Radial Moisture Bar. and/or Long. Water Block.	Bow / Bayer		The A11W meeting will continue its activities to revise the 1142 Guide on Water Blocked Cable
	B17W	Guide for Faulted Circuit Indicators (1610)	Angerer / Reed-Harmel		Review Balloting of P1610 and 495 DG meeting for renewal of IEEE495-2007
	F04W	Partial Discharge Testing in the Field (400.3)	Levine / Walton		Prepare latest draft for ballot
10:15–10:30AM	Break	Refreshments / Snacks	Bascom		Registered ICC Meeting Attendees (Only)
10:30AM – 12:15PM	A16D	Characteristics of EPR Cables	Fleming / Graham		Presentations and Discussions
	A15W	Guide for Selection and Design of Aluminum Sheaths for Power Cables IEEE 635	Bartolucci / Garcia		Discuss moving forward from the last draft of 635/D2
	C33D	Renewable Energies	Joy / Lee		IEEE 1547 Standards, and Interconnect Issues
	B21D	Application Guide for Cable Joints	Campbell / McGovern		Discussion of pertinent qualities when selecting which joint type to use for MV applications
	A06D	Accelerated Electrical Aging	Wald / Caronia		(1) Aging of medium voltage PP insulation, (2) Cable insulation reliability under repetitive voltage transients
	C13D	Installation of Cables Using Trenchless Techniques	Goyette / Williams		Presentation and work on white paper



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TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:30 PM - 2:00 PM		NETWORKING LUNCHEON <i>(Must Register for This)</i>	Wald / Levine		Networking and Technical Presentations
2:00 PM – 5:30 PM	A	CABLE CONSTRUCTION & DESIGN	Wen / Richardson		Technical Presentations
BREAKOUT WG/DG MEETINGS <small>*(see notes on Page 1)</small>					
2:00 PM - 3:15 PM	B22W	Distribution Cable Joints & Terminations (Replaces IEEE 48 & 404) Session 1 of 2	Madden / Norris		Family of products discussion and ongoing harmonization work
	C31D	HPFF/HPGF Pipe Type Cable Systems	Mueller / Owen		Presentation & Discussions on HPFF cable systems
	D17W	Fire-Rated Circuit Integrity Cables for Hydrocarbon Fires (1717)	Maldonado / Schmidt		Revise / harmonize with IEC
	G10D	International Organizations	Zenger / Orton		Update on Cigre SCs & B1 Cables. US activities plus WGs. Update on IEC. JTF Cigre/ICC.
	F13D	Infrared Detection Systems	Giotis / Ohanesian		Presentations and discussion on infrared inspections of insulated cable systems.
	D23D	Cable Guide for Transit Infrastructure	Shoshani / Bayer		PAR Development
3:15-3:30PM	Break	Refreshments / Snacks	Bascom		Registered ICC Meeting Attendees (Only)
3:30PM – 5:30PM	B24W	495 Faulted Circuit Indicators – IEEE 495	Weaver / Reed-Harmel		Review what was sent to ballot and comments
	B23W	Transmission Cable Joints & Terminations (Replaces IEEE 48 & 404)	Jovanovic / Castro		Meeting of a Discussion Group on Transmission IEEE 48 and 404 documents for Terminations and Joints
	C36D	Real Time and Dynamic Current Rating	Grodzinski / Moutassem		Discussion of the latest version of the future guide
	C37D	Submarine Cable	Orton / Alvarez		Discussion on submarine & offshore cables
	D12D	Nuclear Cable Service Qualified Life Extension	Spear / Zaidi		Start development of white paper



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TUESDAY, 22-OCTOBER-2019 (22.10.2019) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00-8:00am		Attendee Breakfast	Bascom / Geene		All Registered ICC attendees
7:00-8:00am		Training Breakfast: Ethics – Case Studies for the Modern Engineer	Charles Darnell		Case studies offer constructive insights to guide engineers toward the ethical high ground. Continuing Education for Engineers (register for CEUs)
8:00 AM – 9:30 AM		Spouse / Companion Breakfast	Bascom		Registered Spouse/Companions ONLY
7:00 AM – 8:00 AM		Presentation Pre-load and Test All Presenters MUST Pre-load	TBD		Subcommittee presentation loadings on ICC Computer
7:00 AM - 11:00 AM		Registration	Arnold / B. Taylor		On-Site Registration
7:30 AM - 5:30 PM		Table Top Displays			Product/Services Exhibitions
8:00 AM - 12:00 PM	F	FIELD TESTING AND DIAGNOSTICS	Cherukupalli / Tirinzoni		Technical Presentations
BREAKOUT WG/DG MEETINGS <small>(see notes on Page 1)</small>					
8:00AM - 10:00AM	A07W	Selecting/Testing Jackets for Underground Cables (532)	Caronia / Wright		Review, Discuss and Agree on Working Group edits to the IEEE guide P532
	A10D	Conductors	Joy / Liu		Discussion on cable and conductor improvements
	B16W	Separable Insulated Connectors (386)	Hughes / Allen		Reach consensus on title, scope and other groundwork for PAR
	C01W	Ampacity Topics (IEEE 835)	Purnhagen / Goyette		Discuss ampacity problems/solutions, update to ampacity tables
	C40D	Re-utilizing Steel Pipes to Replace Pipe-type Cables with Extruded Cables	Curci / McGovern		Presentations plus continued discussion on converting pipe cables to XLPE
	D22W	Cables Systems for Hazardous Locations on Land Drilling Rigs(P2740)	Bayer		Ballot comment resolution
10- 10:15AM	Break	Refreshments / Snacks	Bascom		Registered ICC Meeting Attendees (Only)
10:15AM - 12:00PM	B05W	Connection of Cables to GIS (1300)	Frentzas / Thompson		Discussions, presentations and update on CIGRE WG B1/B3.49 work
	A08W	Tests for Compatibility of Cable Pulling Lubricants with Wire & Cable (1210)	Wright / Zhou		Continue work on revision of standard 1210
	C11W	Submarine Cables (1120)	Orton / Dodeman		Revision of IEEE Standard 1120 on Submarine Cables
	C34W	Mitigating Manhole Explosions - P2417	Black / Hanebuth		Further development of Guide for Manhole Expl
	D07W	Evaluation of Cables For Class 1E Circuits In Nuclear Generating Stations (1186)	Watson / Mantey		Continue developing recommended practice



ICC MEETING SCHEDULE

TUESDAY, 22-OCTOBER-2019 (22.10.2019) - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:15 PM - 2:00 PM	G	TRANSNATIONAL LUNCHEON (Must Register for This)	Gulski / Leufkens		International Meetings Announcements and Technical
2- 5:30PM	C	CABLE SYSTEMS	Mueller / Frentzas		Technical Presentations
BREAKOUT WG/DG MEETINGS <small>(see notes on Page 1)</small>					
2:00 PM - 3:15 PM	B19W	Cable Prep Techniques for Installing Accessories (1816)	Crotty / Smalley		Review instructions for preparing PILC cables and changes to Title, Scope, and Purpose
	A19D	Covered Conductors	T. Campbell / Nuckles		Presentations and discussions on utility experience with covered conductors, tree wire and spacer cable
	F01W	Field Testing and Evaluation of Shielded Cables (IEEE 400)	Wen / Hampton		Review updated and approved PAR and begin working on current draft
	F06W	Guide for Field Testing of Shielded DC Power Cable Systems Using High Voltage Direct Current (HVDC)- IEEE P400.5	Larzelere / vacant		Discussion of current draft
	A14D	Power Cable Standards	B. Richardson / Eanes		Update on Standards Development from AEIC, ICEA, IEC and UL. Technical presentation on Insulation Contamination by George Valdes
	D15W	Flame Propagation Testing (1202)	Stansberry / Hills		Continue Revision of Standard
3:15-3:30PM	Break	Refreshments / Snacks	Bascom		Registered ICC Meeting Attendees (Only)
3:30 PM - 5:30 PM	Ad Hoc (B)	Link Boxes for Joints and Terminations	TBD / TBD		Meeting to evaluate need and interest to start discussion group on link boxes – application, requirements, trends
	B18W	Application Guide for Separable Connectors (IEEE 1215)	Szysko / Smalley		To start review of the document and discuss what to add
	F07W	Guide on Neutral Corrosion in MV Underground Cables (1617)	von Herrmann / Giotis		Address comments from ballot
	B09W	Guide for Cable Cleaning Solvents (1493)	Lauxman / Fosse		Review revised Guide 1493 for REVCOM submittal
	B06W	Guide for Connecting Surge Arresters to Protect Shielded Cable Systems (C62.22.1)	Lanz / van Besouw		Review the new PAR submission and new text recommendations
	D21W	Circuit Integrity of Fire Resistive Cables in Tunnels & Transit Apps (2412)	Conrad / Stansberry		Prepare standard for ballot



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WEDNESDAY, 23-OCTOBER-2019 (23.10.2019) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM		Attendee Breakfast	Bascom / Geene		All Registered ICC attendees
7:00-8:00am		Training Breakfast: Robert's Rules of Order	Lauri Hiivala		Information on procedures for conducting meetings
8:00 AM – 9:30 AM		Spouse / Companion Breakfast	Bascom		Registered Spouse/Companions ONLY
7:00 AM – 8:00 AM		Presentation Pre-load and Test All Presenters MUST Pre-load	TBD		Subcommittee Presentation Loadings on ICC Computer
7:30 AM - 1:00 PM		Table Top Displays			
8:00 AM - 11:15 AM	B	CABLE ACCESSORIES	Campbell / Jovanovic		Technical Presentations
BREAKOUT WG/DG MEETINGS <small>(see notes on Page 1)</small>					
8:00 AM - 10:00 AM	P2810	Guide for Field Dielectric Enhancement of Polyethylene and Cross-Linked Polyethylene Power Cables (1 of 2)	Fan Liu / TBD		Entity Workgin Group - This guide describes the principles, conditions and procedures of field rejuvenation of power cables as well as post-rejuvenation tests. It applies to polyethylene (PE) and cross-linked polyethylene (XLPE) insulated power cables.
	A13W	Accelerated Aging Tests for 5-35 kV Extruded Cables using Water Tanks (1407)	Wald / Raut		Continue work on revision of IEEE 1407
	C23W	Overhead / Underground Transition Structures	TBD. / TBD		Select chair/vice-chair, review current document
	C39D	Seismic Performance Assessment of Transmission Cables	Cherukupalli / Orton		Presentations and open discussion
	C20W	Soil Thermal Stability (1254)	Moutassem / vacant		Discuss need to develop / revise guide
	D05W	Station Cable Installation Criteria (1185)	Merando / Bloethe		Review ballot comments
10 – 10:15 AM	Break	Refreshments / Snacks	Bascom		Registered ICC Meeting Attendees (Only)
10:15 AM - 12:00 PM	P2810	Guide for Field Dielectric Enhancement of Polyethylene and Cross-Linked Polyethylene Power Cables (2 of 2)	Fan Liu / TBD		Entity Workgin Group - See above (Session 2 of 2)
	F11W	Constant Voltage AC Field Testing of Cable Systems (P1614)	Fenger / Denmon		Discussion of content of first draft
	A20D	Low Voltage Cable Systems Rated ≤ 600V	Brigandi / LaBlanc		Presentations including an update on UL 2885 and Secondary Network Cable Design Requirements
	C05W	Guide to the Use of Gas-in-Fluid Analysis for Electric Power Cable Systems (1406)	Purnhagen / Johnson		Continue working on finalizing P1406 guide document
	C29W	Induced Voltage Work Procedures (1727)	Uddin / Wong		Guide Schedule Update, B1.44 Presentation from CIGRE Fall Meeting - M. Cabau
	D08W	IEEE 634, Cable Penetration Fire Test	G. Taylor / Stansberry		Prepare standard for ballot



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TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:00-1:00 PM	ICC ON-SITE LUNCHEON (No Presentations) (Must Pay / Register for This)				No Presentations
1:00-5:00PM	Education Program: “Enhancing Reliability and Resiliency using Underground Cable”		Mosier / Jajack		The session will feature 6 utilities presenting on their strategy and challenges installing underground cable systems. Presentations will include project-specific experience and large-scale program statistics as to how the new systems enhanced circuit reliability and improved resiliency.
3:00-3:15PM	Break	Education Program: Refreshments / Snacks	Bascom		

*0.4 CEUs granted for this session. You must register and attend in order to receive CEUs.

◆◆◆◆◆◆◆◆◆◆ Administrative Activities ◆◆◆◆◆◆◆◆◆◆

ICC Office		ExCom	Registration Office / Portside
SATURDAY, 19-OCTOBER-2019 (19.10.2019)			
TIME	ACTIVITY	CHAIRS	ROOM
12:00- 2:00PM	Pre-Con Meeting with Hotel (Bascom, Geene, Maldonado, Frentzas, Arnold, Taylor, Hiivala, Hotel Staff)	Bascom / Geene	
2:00-4:00PM	Executive Committee Meeting - Executive Session (Bascom, Geene, Maldonado, Frentzas, Arnold, Taylor, Hiivala)	Bascom / Geene	
4:00-5:00PM	Treasurer’s Meeting - (Geene, Maldonado, Frentzas, Arnold, Taylor)	Geene	
SUNDAY, 20-OCTOBER-2019 (20.10.2019)			
12:00-3:45PM	Administrative Committee Opening Lunch Meeting - (Bascom, Geene, Maldonado, Frentzas, Arnold, Hiivala, B.Taylor, Wen, Richardson, Campbell, Jovanovic, ,Mueller, G.Taylor, Cherukupalli, Tirinzoni, Gulski, Leuffkens, Mosier, Jajack, Merando, Clark, Madden, Giotis, von Herrmann, Carson, Orton, Wald, Thompson, Smith)	Bascom / Geene	
4:00-5:00PM	Advisory Committee Meeting - (Madden, Giotis Bascom, Orton, Geene, past ICC Chairs)	Madden / Giotis	
MONDAY, 21-OCTOBER-2019 (21.10.2019)			
7:00-7:45 AM	All Chairs Breakfast Meeting - (Subcommittee, Working Group, Discussion Group, Transnational, Education, and Standards: Chairs and Vice-Chairs)	Bascom / Geene	
7:45 AM – 8:00AM	All Chairs Mtg. – Sub A Breakout	Wen / Richardson	
	All Chairs Mtg. – Sub B Breakout	Campbell / Jovanovic	
	All Chairs Mtg. – Sub C Breakout	Mueller / Frentzas	
	All Chairs Mtg. – Sub D Breakout	G.Taylor	
	All Chairs Mtg. – Sub F Breakout	Cherukupalli / Tirinzoni	
	All Chairs Mtg. – Sub G Breakout	Gulski / Leuffkens	
TUESDAY, 22-OCTOBER-2019 (22.10.2019)			
7:00-8:00am	Training Breakfast: Ethics – Case Studies for the Modern Engineer (Register for CEUs)	Charles Darnell	
WEDNESDAY, 23-OCTOBER-2019 (23.10.2019)			
7:00-8:00am	Training Breakfast: Robert’s Rules of Order (Open to All)	Hiivala	
12:00-2:00 PM	Administrative Committee Wrap-Up Meeting - (Attendees: See Opening Meeting)	Bascom / Geene	

