



INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2018 Meeting – Tucson, AZ

FINAL AGENDA

3-May-2018

Welcome to Tucson, Arizona – SCHEDULE OF EVENTS

General Meeting Notes

* 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 a PAR and are working to complete or revise 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.

Companion/Spouse Activities/Breakfast

Activities are planned for spouses / companions each day of the conference. Private Dining Room is assigned to these activities, and this room is also available for impromptu get-togethers for those not interested in attending planned off-site events. Please check at the registration desk for specific activities and off-site events. Breakfast is included with spouse/companion registration and is held daily (Monday thru Wednesday) in Private Dining Room.

Attendee Breakfast:

A breakfast is provided each meeting day (Monday through Wednesday morning) for attendees between 7:00AM and 8:00AM. Breakfast for this meeting is served in Tucson Ballroom F (see hotel layout map at the end of this document).

Latest Info: Administrative activities are on the last page of the schedule. See the Bulletin Boards in the Registration area for specifics on events or for last minute changes, or check the [guidebook](#) smart phone application.

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



SUNDAY, 6-MAY- 2018 (06.05.2018)			
TIME	ACTIVITY	CHAIRS	ROOM
12:30 – 4:00PM	Registration (On-Site Registration & Registration Package Pickup)	Arnold / B. Taylor	Arizona Registration Desk
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.	Frentzas	San Luis 2
4:00 – 5:00PM	Social for ICC Women Engineers Network with other women engaged in the engineering profession. Introverts and extroverts – all are welcome!	Mosier / Flenniken	San Pedro 1 & 2
4:00 – 5:00PM	International/Diversity Social for ICC Engineers A global gathering for ICC attendees to network with each other and international new comers to learn more about ICC and seek assistance	Zhou / Wen	
12:30 – 5:00PM	Table Top Displays		Arizona 7
5:00 – 7:00PM	RECEPTION – All Attendees		Ania Terrace & Ania Lawn

Key – Schedule Color Coding

Color	Event Type	Color	Event Type	Color	Event Type	Color	Event Type
	Administrative Meetings (Officers, Chairs, Vice-Chairs)		Registration		Working /Discussion Group Meetings - Break Outs		Meals / Snacks
	Author / Presenter Presentation Preload Times		Exhibits / Table Top Displays by Vendors		Training Sessions		Lunch Event (Registration Required)



INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2018 Meeting – Tucson, AZ

FINAL AGENDA

3-May-2018

ICC MEETING SCHEDULE

MONDAY, 7-MAY-2018 (07.05.2018) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM		Attendee Breakfast	Bascom / Geene	Tucson Ballroom F	All Registered ICC attendees
8:00 AM – 9:30 AM		Spouse / Companion Breakfast*	Bascom	Private Dining Room	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	Tucson Ballroom E	ICC Meeting, Subcommittee, WG/DG Operational Announcements
7:00AM-8:00AM		Presentation Pre-load and Test All Presenters MUST Pre-load	Richardson	Arizona 6	Subcommittee presentation loadings on ICC Computer
7:00AM-12:00PM		Registration	Arnold / B. Taylor	Arizona Registration Desk	On-Site Registration & Registration Package Pickup
7:30AM-5:30PM		Table Top Displays		Arizona 7	Product/Services Exhibitions
8:00AM-9:00 AM		OPENING SESSION All Attendees	Bascom / Geene	Arizona 6	ICC Meeting Announcements, IEEE, PES & ICC Awards
9:15 AM-12:15 PM	C	CABLE SYSTEMS	Mueller/Martinez	Arizona 6	Technical Presentations
BREAKOUT WG/DG MEETINGS (see notes on page 2)					
9:15 AM - 10:15 AM	A06D	Accelerated Electrical Aging	Wald / Caronia	Arizona 1-2	Influence of semi-con compound on water tree / Experience with 3kHz water tree tests on cables
	A15W	Guide for Selection and Design of Aluminum Sheaths for Power Cables IEEE 635	Bartolucci / Garcia	Arizona 3-4	Discuss moving forward from the last draft of 635/D2
	B24W	495 Faulted Circuit Indicators – IEEE 495	Weaver / Reed-Harmel	Arizona 8-9	Review what was sent to ballot and ballot comments
				Arizona 10-11	
	F04W	Partial Discharge Testing in the Field (400.3)	Levine / Walton	Tucson A-B	Prepare latest draft for ballot
	D20W	Guide for Nuclear Cables (P2776)	Fleming / Khondker	Tucson C-D	Continue Revision of Standard
10:15 – 10:30 AM	Break	Refreshments / Snacks	Bascom	Arizona 7	
10:30 AM - 12:15 PM	A07W	Selecting/Testing Jackets for Underground Cables (532)	Caronia / Wright	Arizona 1-2	Review, Discuss and Agree on Working Group edits to the IEEE guide P532
	A10D	Conductors	Joy / Liu	Arizona 3-4	Discussion on cable and conductor improvements
	B16W	Separable Insulated Connectors (386)	Hughes / Vacant	Arizona 8-9	Discuss failure rate requirements for switching & fault-closure and discuss continuous current ratings above 90C
	B17W	Guide for Faulted Circuit Indicators (1610)	Angerer / Reed-Harmel	Arizona 10-11	Review Balloting of P1610 and 495 DG meeting for renewal of IEEE495-2007
				Tucson A-B	
	D05W	Station Cable Installation Criteria (1185)	Merando / Bloethe	Tucson C-D	Detailed review of revised draft of P1185.

* Spouse / Companion hospitality space following breakfast will be in Arizona Salon 12.



ICC MEETING SCHEDULE

MONDAY, 07-MAY-2018 (07.05.2018) - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:30 PM - 2:00 PM		NETWORKING LUNCHEON (Must Register for This)	Orton / Boone	Tucson Ballroom E	Networking and Technical Presentations
2:00 PM – 5:30 PM	B	CABLE ACCESSORIES	Szyszek / Campbell	Arizona 6	Technical Presentations
BREAKOUT WG/DG MEETINGS *(see notes on page 2)					
2:00 PM - 3:15 PM	A11W	Guide for the Selection, Testing, Application and Installation of Cables Having Radial Moisture Barriers and/or Longitudinal Water Blocking IEEE 1142	Bow / Bayer	Arizona 1-2	initial meeting will seek input on the PAR and Scope for the revision of 1142 Guide on Moisture Barrier Cables
				Arizona 3-4	
	C37D	Submarine Cables	Orton / Campilli	Arizona 8-9	Discussion on submarine & offshore cables
	C29W	Induced Voltage Work Procedures (1727)	Uddin / Wong	Arizona 10-11	Guide Q & Presentation - Practical analysis of induced voltages and currents on parallel circuits
	F11W	Constant Voltage AC Field Testing of Cable Systems (P1614)	Fenger / Denmon	Tucson A-B	Discussion of content of first draft
	D22W	Cables Systems for Hazardous Locations on Land Drilling Rigs(P2470)	Laudicina / Bayer	Tucson C-D	Continue development of standard.
3:15-3:30PM	Break	Refreshments / Snacks	Bascom	Arizona 7	
3:30 PM – 5:30 PM	A14D	Power Cable Standards	B. Richardson / Eanes	Arizona 1-2	Updates from IEC, ICEA, and AEIC.
	C11W	Submarine Cables (1120)	Orton / Campilli	Arizona 3-4	Revision of IEEE Standard 1120 on Submarine Cables
	C31D	HPFF/HPGF Pipe Type Cable Systems	Mueller / Owen	Arizona 8-9	Presentation & Discussions on HPFF cable systems
	C36D	Real Time and Dynamic Current Rating	Grodzinski / Moutassem	Arizona 10-11	Discussion of the latest version of the future guide
	F06W	Guide for Field Testing of Shielded DC Power Cable Systems Using High Voltage Direct Current (HVDC)- IEEE P400.5	Larzelere / Rickmann	Tucson A-B	Discussion of First Official Draft
	D07W	Evaluation of Cables For Class 1E Circuits In Nuclear Generating Stations (1186)	Watson / Mantey	Tucson C-D	Develop Standard



INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2018 Meeting – Tucson, AZ

FINAL AGENDA 3-May-2018

ICC MEETING SCHEDULE

TUESDAY, 8-MAY-2018 (08.05.2018) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00-8:00am		Attendee Breakfast	Bascom / Geene	Tucson Ballroom F	All Registered ICC attendees
7:00-8:00am		IEEE Standards Association Governance & Process Training Breakfast	Kipness (IEEE SA)	Tucson Ballroom E	IEEE AudCom, NesCom, RevCom & Process Training
8:00 AM – 9:30 AM		Spouse / Companion Breakfast	Bascom	Private Dining Room*	Registered Spouse/Companions ONLY
7:00 AM – 8:00 AM		Presentation Pre-load and Test All Presenters MUST Pre-load	Richardson	Arizona 6	Subcommittee presentation loadings on ICC Computer
7:00 AM - 11:00 AM		Registration	Arnold / B. Taylor	Arizona Registration Desk	On-Site Registration
7:30 AM - 5:30 PM		Table Top Displays		Arizona 7	Product/Services Exhibitions
8:00 AM - 12:00 PM	D	GENERATING STATION AND INDUSTRIAL CABLES	Maldonado / Taylor	Arizona 6	Technical Presentations
BREAKOUT WG/DG MEETINGS *(see notes on page 2)					
8:00 AM - 10:00 AM	A08W	Tests for Compatibility of Cable Pulling Lubricants with Wire & Cable (1210)	McAuliffe / Elliott	Arizona 1-2	Continue work on revision of standard 1210
	B06W	Guide for Connecting Surge Arresters to Protect Shielded Cable Systems (C62.22.1)	Makal / Lanz	Arizona 3-4	Final edits to Guide
	B12W	Guide for Investigating & Analyzing Shielded Power Cable Failures on Sys Rated 5kV - 46kV (1511 & 1511.1)	Bader / Ayres	Arizona 8-9	Briefly review outline for proposed content and discuss organization and layout of proposed guide.
	C01W	Ampacity Topics (IEEE 835)	Purnhagen / Goyette	Arizona 10-11	Discuss ampacity problems/solutions, update to ampacity tables
	C38D	HVDC Cable Systems	Busby / Hobson	Tucson A-B	Presentation & Discussions on HVDC cable systems
	C30W	Trial Use Guide for Extending the Life of Power Cables in the Field (1879)	Joy / Klyweg	Tucson C-D	Affirm active working group membership, review draft guide changes (1 of 2 sessions)
10– 10:15AM	Break	Refreshments / Snacks	Bascom	Arizona 7	
10:15 AM- 12:15 PM	B03W	Exposed Semi-Con Shields (592)	Kamel / B. Taylor	Arizona 1-2	Review of the balloting results and finalize the comment resolution for IEEE 592
	B09W	Guide for Cable Cleaning Solvents (1493)	Lauxman / Fosse	Arizona 3-4	Review revised Guide 1493 for REVCOM submittal
	C20W	Soil Thermal Stability (1254)	TBD / TBD	Arizona 8-9	Discuss need to develop / revise guide
	C39D	Seismic Performance Assessment of Transmission Cables	Cherukupalli / Orton	Arizona 10-11	Presentations and open discussion
	F07W	Guide on Neutral Corrosion in MV Underground Cables (1617)	von Herrmann / Giotis	Tucson A-B	Reviewing proposed revisions by the writing group to Std 1617
11:15AM- 12pm	D23D	Cable Guide for Transit Infrastructure	Shoshani / Bayer	Tucson C-D	PAR Development

* Spouse / Companion hospitality space following breakfast will be in Arizona Salon 12.



ICC MEETING SCHEDULE

TUESDAY, 8-MAY-2018 (08.05.2018) - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:15 PM - 2:00 PM	G	TRANSNATIONAL LUNCHEON (Must Register for This)	Gulski / Leufkens	Tucson Ballroom E	International Meetings Announcements and Technical Presentations
2- 5:30 PM	A	CABLE CONSTRUCTION & DESIGN	Wen / Richardson	Arizona 6	Technical Presentations
BREAKOUT WG/DG MEETINGS *(see notes on page 2)					
2:00 PM - 3:15 PM	B19W	Cable Prep Techniques for Installing Accessories (1816)	Crotty / Smalley	Arizona 1-2	Review instructions for preparing PILC cables and changes to Title, Scope, and Purpose
	B05W	Connection of Cables to GIS (1300)	Whiteside / Vacant	Arizona 3-4	Discussions, presentations and update on CIGRE WG B1/B3.49 work
	C13D	Installation of Cables Using Trenchless Techniques	Goyette / Williams	Arizona 8-9	Presentation and work on white paper
	C03D	Magnetic Fields of Underground Cables	Clark / Bochenski	Arizona 10-11	Technical and educational presentations.
	G10D	International Organizations	Zenger / Orton	Tucson A-B	Update on Cigre SCs & B1 Cables. US activities plus WGs. Update on IEC. JTF Cigre/ICC.
	D12D	Nuclear Cable Service Qualified Life Extension	Rasmussen / Zaidi	Tucson C-D	PAR Development
3:15-3:30PM	Break	Refreshments / Snacks	Bascom	Arizona 7	
3:30 PM - 5:30 PM	B22W	Distribution Cable Joints & Terminations (Replaces IEEE 48 & 404)	Madden / Norris	Arizona 1-2	Family of products discussion and ongoing harmonization work
	C05W	Guide to the Use of Gas-in-Fluid Analysis for Electric Power Cable Systems (1406)	Purnhagen / Johnson	Arizona 3-4	Continue working on finalizing P1406 guide document
	C33D	Renewable Energies	Joy / Vacant	Arizona 8-9	Renewable Energy IEEE 1547 Series of Standards, and Interconnection Issues
	C40D	Re-utilizing Steel Pipes to Replace Pipe-type Cables with Extruded Cables	Curci / Vacant	Arizona 10-11	Presentations plus continued discussion on converting pipe cables to XLPE
	F02W	Guide for Field Testing of Laminated Dielectric, Shielded AC Power Cable Systems Rated 5 kV to 500 kV Using High Voltage Direct Current (HVDC) P400.1	Larzelere / Rickmann	Tucson A-B	Discussion of Final Draft Pre Ballot
	D21W	Circuit Integrity of Fire Resistive Cables in Tunnels & Transit Apps (2412)	Conrad / Stansberry	Tucson C-D	Continue development of standard



INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2018 Meeting – Tucson, AZ

FINAL AGENDA 3-May-2018

ICC MEETING SCHEDULE

WEDNESDAY, 9-MAY-2018 (09.05.2018) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM		Attendee Breakfast	Bascom / Geene	Tucson Ballroom F	All Registered ICC attendees
7:00-8:00am		ICC Policies & Procedures for Working Groups Training Breakfast	Hiivala	Tucson Ballroom E	Information on procedures for running working groups
8:00 AM – 9:30 AM		Spouse / Companion Breakfast	Bascom	Private Dining Room*	Registered Spouse/Companions ONLY
7:00 AM – 8:00 AM		Presentation Pre-load and Test All Presenters MUST Pre-load	Richardson	Arizona 6	Subcommittee Presentation Loadings on ICC Computer
7:30 AM - 1:00 PM		Table Top Displays		Arizona 7	
8:00 AM - 12:00 PM	F	FIELD TESTING AND DIAGNOSTICS	Cherukupalli / Tirinzoni	Arizona 6	Technical Presentations
BREAKOUT WG/DG MEETINGS *(see notes on page 2)					
8:00 AM - 10:00 AM	A13W	Accelerated Aging Tests for 5-35 kV Extruded Cables using Water Tanks (1407)	Walton / Wald	Arizona 1-2	Continue work on revision of IEEE 1407
	A16D	Characteristics of EPR Cables	Fleming / Graham	Arizona 3-4	Presentations and Discussions
	B23W	Transmission Cable Joints & Terminations (Replaces IEEE 48 & 404)	Jovanovic / Castro	Arizona 8-9	Meeting of a Discussion Group on Transmission IEEE 48 and 404 documents for Terminations and Joints
				Arizona 10-11	
	C34W	Mitigating Manhole Explosions - P2417	Black / Hanebuth	Tucson A-B	Further development of Guide for Manhole Explosions
	D15W / D17W	Flame Propagation Testing (1202) Fire-Rated Circuit Integrity Cables for Hydrocarbon Fires (1717)	Stansberry / Hills Maldonado / Schmidt	Tucson C-D	D15W (8-9:15am) Continue Revision of Standard D17W (9:15-10am) Initiate Rev. / Harmonize with IEC
10 – 10:15 AM	Break	Refreshments / Snacks	Bascom	Arizona 7	
10:15 AM - 12:00 PM	A19D	Covered Conductors	T. Campbell / Nuckles	Arizona 1-2	Presentations and discussions on utility experience with covered conductors, tree wire and spacer cable
	B18W	Application Guide for Separable Connectors (IEEE 1215)	Szysko / Smalley	Arizona 3-4	To start review of the document and discuss what to add
	C30W	Trial Use Guide for Extending the Life of Power Cables in the Field (1879)	Joy / Klyweg	Arizona 8-9	Review draft guide changes (2 of 2 sessions)
	A20D	Low Voltage Cable Systems Rated ≤ 600V	Brigandi / Hawig	Arizona 10-11	Presentations (incl. “Cables for Class 1, Div. 1 Locations – Past, Present, Future”)
	D06W	IEEE Guide for Installation Fiber-Optic Cables (1428)	Cunningham / Vacant	Tucson A-B	PAR Development
	D08W	IEEE 634, Cable Penetration Fire Test	G. Taylor / Stansberry	Tucson C-D	Continue Revision of Standard

* Spouse / Companion hospitality space following breakfast will be in Arizona Salon 12.



INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2018 Meeting – Tucson, AZ

FINAL AGENDA

3-May-2018

ICC MEETING SCHEDULE

WEDNESDAY, 9-MAY-2018 (09.05.2018) - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:00-1:00 PM	ICC ON-SITE LUNCHEON (No Presentations) <i>(Must Register for This)</i>			Tucson Ballroom F	No Presentations
1:00-5:00PM	EDUCATIONAL PROGRAM*: <i>End of Life (or is it?)</i>		Mosier / Jajack	Arizona 6	Presentations by utilities discussing cable system failures and how the utilities react to avoid future failures. Experts will also address the question "Is this the end of the line for my cable system?"
3:00-3:15PM	Break	Refreshments / Snacks	Bascom	Arizona 6	

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

◆◆◆◆◆ Administrative Activities ◆◆◆◆◆

SATURDAY, 5-MAY-2018 (05.05.2018)

TIME	ACTIVITY	CHAIRS	ROOM
12:00- 2:00PM	Pre-Con Meeting with Hotel (Bascom, Geene, Frentzas, Arnold, Hiivala, Hotel Staff)	Bascom / Geene	Primo Restaurant
2:00-5:00PM	Executive Committee Meeting - Executive Session (Bascom, Geene, Frentzas, Arnold, Hiivala)	Bascom / Geene	Private Dining Room

SUNDAY, 6-MAY-2018 (06.05.2018)

8:30-10:00AM	Treasurer's Meeting - (Geene, [vacant], Frentzas, Arnold, Taylor)	Geene	Signature Grill Private Dining Room
10:00-11:00am	ExCom / Registration Personnel – Discussion of Future Registration Desk System, 123SignUp	Bascom / Arnold	Signature Grill Private Dining Room
12:00-3:45PM	Administrative Committee Opening Lunch Meeting - (Bascom, Geene, Frentzas, Arnold, Hiivala, Wen, Richardson, Szyszko, Campbell, Mueller, Martinez, Maldonado, Cherukupalli, Tirinzoni, Galski, Leufkens, Mosier, Jajack, Merando, Clark, Madden, Giotis, von Herrmann, Carson, Orton, Boone, Thompson)	Bascom / Geene	Tucson Salon C & D
4:00-5:00PM	Advisory Committee Meeting - (Madden, Giotis Bascom, Orton, Geene, past ICC Chairs)	Madden / Giotis	Arizona Salon 5

MONDAY, 7-MAY-2018 (07.05.2018)

7:00-7:45 AM	All Chairs Breakfast Meeting - (Subcommittee, Working Group, Discussion Group, Transnational, Education, and Standards: Chairs and Vice-Chairs)	Bascom / Geene	Tucson Ballroom E
7:45 AM – 8:00AM	All Chairs Mtg. – Sub A Breakout	Wen / Richardson	Tucson Ballroom E
	All Chairs Mtg. – Sub B Breakout	Szysko / Campbell	Tucson Ballroom E
	All Chairs Mtg. – Sub C Breakout	Mueller / Martinez	Tucson Ballroom E
	All Chairs Mtg. – Sub D Breakout	Maldonado / Vacant	Tucson Ballroom E
	All Chairs Mtg. – Sub F Breakout	Cherukupalli / Tirinzoni	Tucson Ballroom E
	All Chairs Mtg. – Sub G Breakout	Galski / Leufkens	Tucson Ballroom E

TUESDAY, 8-MAY-2018 (08.05.2018)

7:00-8:00am	IEEE Standards Association Governance & Process Training Breakfast	Kipness (IEEE SA)	Tucson Ballroom E
-------------	--	-------------------	-------------------

WEDNESDAY, 9-MAY-2018 (09.05.2018)

7:00-8:00am	IEEE PES ICC Policies & Procedures for Working Groups Training Breakfast	Hiivala	Tucson Ballroom E
12:00-2:00 PM	Administrative Committee Wrap-Up Meeting - (Attendees: See Opening Meeting)	Bascom / Geene	San Pedro 1&2



Meetings & Events Floor Plan

B - ICC Breakout Rooms (WG/DG)

TT - Table Top Exhibit Space (coffee break area)

OS - Opening Session / Subcommittee Meeting / Education

EF - Breakfast / Lunches

