



**AGENDA**  
**TECHNICAL COUNCIL MEETING NO. 106**  
**Jacksonville, FL, USA**  
**Room: River Terrace 1 (Hyatt Regency Jacksonville)**  
**Sunday, 12 January 2020, 10:30 AM – 6:00 PM**

	<u>TOPIC</u>	<u>PRESENTER</u>
<b>10:30 – 11:30</b>	Report and discussion of IGETCC White paper On Emerging Technologies	<b>D. Houseman</b>
	<ul style="list-style-type: none"><li>• Work more closely with the DOE on this? This likely shouldn't just fall to the Transformers Committee to work on. We should be looking at what standards we need to update or create related to these areas. Also may be a need for white papers to be written. By end of 2020 there should be a list of definitions/terms to be reviewed by committees.</li><li>• PSDP already has done work and can be found on PES Resource Center and there's a transaction paper summarizing and pointing to this report</li><li>• <b>Action:</b> Shana coordinate with Leonardo Lima to potentially host a webinar and promote this work</li><li>• <b>Action:</b> Vijay, Shana &amp; Doug coordinate with Juan Carlos on 2020 hot topics to highlight this work to those people who are not as actively involved with PES Technical Committees</li><li>• <b>Action:</b> Vijay to contact Mike Henderson to request in the monthly PES magazine ½ page to a page each month on hot topics and work in that area</li><li>• <b>Action:</b> Art Maldonado of ICC to bring back Doug's suggestion: Doug suggested that Art Maldonado get the ICC Workshop also be published (100-200 words) in the monthly PES magazine to highlight covered conductor material to help with mitigating wildfires</li> <li>• <b>Hot topics identified in Doug's presentation:</b><ul style="list-style-type: none"><li>○ Fires<ul style="list-style-type: none"><li>▪ California &amp; Australia</li><li>▪ IEEE 855</li></ul></li><li>○ Strength of the grid (physical)<ul style="list-style-type: none"><li>▪ Puerto Rico</li><li>▪ Participants needed for fall workshop on microgrids</li></ul></li><li>○ Safety of battery storage<ul style="list-style-type: none"><li>▪ NFPA, NESC, APS, Etc.</li></ul></li><li>○ Equipment rating in a renewable world</li></ul></li></ul>	
<b>11:30 – 12:00</b>	<b>LUNCH (PROVIDED)</b>	
<b>12:00 – 12:20</b>	<b>ADMINISTRATIVE TOPICS</b>	
	Safety and Housekeeping	<b>V. Vittal</b>
	Introduction of members and guests and Agenda	<b>V. Vittal</b>
	Approval of PES GM 2019 Tech Council Mtg Minutes	<b>D. Watkins</b>
	<ul style="list-style-type: none"><li>• <b>Motion by Curtis, Second by YC, unanimously carried</b></li></ul>	
	Review of any Action Items	<b>V. Vittal/ D. Watkins</b>



### Standing Action Items

1. Updates for Technical Committee Rosters D. Watkins
  - Vijay requested roster updates be sent to Diane
2. Technical Committee Meetings Calendar for posting on PES web site D. Watkins/ S. Pepin
  - Diane to distribute file for TC members to update
3. Annual Reports – **due to Shana & Vijay on January 31** V. Vittal/S. Pepin
  - **Template for Annual Reports can be found here:** <https://www.ieee-pes.org/technical-activities/committees/resources>

### 12:20 – 12:30 TOPICS FROM THE OFFICERS

#### Chair Comments

V. Vittal

- Review of TC Retreat in November – 123Signup statuses were given at the meeting, Entity Process of Review for Standards and planning how they get reviewed – Farnoosh is working on this to share updated process with the Tech Council in February. Update on T&D and PES GM 2020 Technical Session Planning – Committees should consider (if not already doing this) having overlapping TCPCs for smooth transitions and training

#### GM 2020 and T&D 2020 Planning Status

H. Chen / D. Watkins

- T&D: Panel sessions planned and papers accepted, local committee will set up paper sessions
- GM: Super Sessions planned, papers under review, panel session info received
- General: some challenges getting TCPCs to review and process papers in a timely manner. Bill will contact committee chairs if not getting appropriate response from TCPC. If you get an email, it's serious.

### 12:30 – 1:00 TOPICS FROM THE PES PRESIDENT & EXECUTIVE DIRECTOR

#### Open for topics from PES President

F. Lambert

- Liaison to new Chapter Councils
  - o Need to think about globalization – how can we get more groups outside of North America for development of standards and participation in working groups. Conversation on visa processes for people to attend meetings being difficult but, we can only provide documentation they request and start early in the process
  - o **Action:** Shana & Pat to review the available volunteer WebEx accounts to share with committees that don't have Join.me which is the teleconferencing tool used by IEEE-SA – Maybe we look at Zoom Meeting which is used by Mike Wilson/Smart Village (Shana is only aware of one volunteer WebEx account for use right now and it's restricted to only governing board related WebEx meetings)

#### Open for topics from PES Executive Director

P. Ryan

- Technical Committees – take advantage of the opportunities to market the work that your technical committee is doing
- Please migrate existing content (that are not standards) into the PES Resource Center – we can now support different tools and file types in the PES Resource Center – Please consider the PES Resource Center the home of educating experts in our industry.
- MIRA Smart – EMC (Jim Lau) stated this software is outdated and we should look for a new tool
  - o **Action:** Pat will look into this with Maria Proetto.



Open Topics from PES President Elect

J. Bian

**1:00 – 1:45 STANDING/COORDINATING COMMITTEES**

TC Awards Update

F. Rahmatian

- Miriam Sanders sent an email on Dec. 4 giving an update and reminder to coordinate with each committee awards chair – Young Professional & Distinguished Service Awards – Deadline was Dec. 1 but, Farnoosh will recirculate an update on this as he is the new TC Awards Update

Standards Coordination Committee

T. Burse / F. Rahmatian

- **Action:** Ted Burse (or Farnoosh, Vijay or Hong) to share Ted Burse's email from 1/8/20 on updates on PARs year over year and highlights of updates to processes. Shana & Diane did not received this email

New Process for reviewing Entity proposals, as well as CIGRE input

F. Rahmatian

- The current process is not organized as an IEEE-SA program manager typically circulates any new entity PARs for review and then to determine which technical committee should get it for review and then from there if the technical committee accepts to work on this PAR or not and there's a break down. A formalize standing committee for review of entity PARs is being created by Farnoosh in conjunction with IEEE-SA. This newly formed standing committee is in hopes of avoiding relying completely on email communication where things can get lost. Farnoosh's deadline to put this into an updated document by February 15 to Tech Council & IEEE-SA for feedback.
- **Action:** Farnoosh to work with Damir and IEEE-SA on including a liaison(s) either from this new standing committee (or just from Technical Council in general) to get more PES Technical Committee volunteers involved in IEEE-SA committees (i.e. review project committee, patent committee, etc.). Tech Council does have a standards representative already but, maybe it is educating these existing standards representatives on how to get involved in IEEE-SA committees.

Organization & Procedures Committee

D. Watkins/H. Chen

- Diane Watkins is newly in this role in 2020. If you have any updates to your O&P, you must send to Diane and she will circulate the updates/changes to Tech Council for review and comments, email comments are collected but, then the vote to make the updates typically happens at Tech Council meetings at PES GM or JTCM but sometimes a vote might happen via email as well.

Technical Sessions Committee

V. Vittal / H. Chen

- Meeting is tomorrow (January 13) – Hong will be running the meeting

Intelligent Grid & Emerging Technologies Coordinating Committee

D. Houseman

- Doug is transitioning out of the chair role to a new chair in approx. May

Marine Systems Coordinating Committee

D. Alexander

- At the retreat we raised the concern of the Marine Systems Coordinating Committee not being very active or having support. Costas Vournas sent an email to TC officers on Jan. 10 showing that there is still interest in these areas including a document with write up on scopes, challenges, action plan along with a list of contributors who want to reinvigorate and get this committee started back up.
- **Action:** Vijay & Tech Council to follow up with Costas on this

Wind and Solar Power Coordinating Committee

A. Leon

- Proposed name change "Renewable System Integration Coordinating Committee". Andy's last email



was sent on November 18 to make tweaks and resend the O&P for review by Tech Council. John Yale of EDPG & Curtis Ashton still have objections to the proposed renaming to draw a distinction between intermittent systems (hydro and ?). Reminder: Each PES Technical Committee should have a representative at the coordinating committees but, proposed by Leo Lima (PSDP) that the coordinating committees also attend technical committee meetings but, the coordinating committees are not nearly as large as technical committees to dedicate people to attend all the relevant meetings.

<b>1:45 – 2:00</b>	<b>123Signup UPDATE</b>	<b>S. Pepin</b>
	<ul style="list-style-type: none"> <li>• 123signup is meant to be the database for rosters and meeting attendance for PES.</li> <li>• Shana reviewed the health rating for each Committee</li> <li>• Required: meeting attendance, meeting rosters</li> <li>• Question raised on how to use 123signup for entity working groups – follow up discussions needed</li> <li>• Committee cannot register new members directly in 123signup, individuals must add themselves</li> <li>• Recognize there are overlaps with other systems, continued work with SA on improvements to systems</li> </ul>	
<b>2:00 – 3:00</b>	<b>TOPICS FROM TECHNICAL COMMITTEE CHAIRS by Invitation, Request or Exception</b>	
	Issues of note or requiring a vote of Technical Council	Tech Comm. Chairs
	<ul style="list-style-type: none"> <li>• <b>Action:</b> If you have formal updates from your committee – email to Diane Watkins to be included in the meeting minutes</li> </ul>	
	<u>Brief update of new work by subject</u>	<u>Tech Comm. Chairs</u>
	Analytic Methods for Power Systems	<b>Kevin Schneider</b>
	<ul style="list-style-type: none"> <li>• Working on entity standard requests &amp; 123Signup rosters getting loaded</li> </ul>	
	Electric Machinery	<b>Jim Lau</b>
	<ul style="list-style-type: none"> <li>• Having a hard time with recruiting participants on this committee</li> </ul>	
	Energy Development & Power Generation	<b>John B. Yale</b>
	<ul style="list-style-type: none"> <li>• Nothing to report since TC Retreat in November</li> </ul>	
	Energy Storage & Stationary Battery	<b>Curtis Ashton</b>
	<ul style="list-style-type: none"> <li>• Coordinating closely with SCC21 liaison group called energy storage collaboration team</li> </ul>	
	Insulated Conductors	<b>Earle C. (Rusty) Bascom, III</b>
	<ul style="list-style-type: none"> <li>• Art Maldonado provided formal ICC slides to Diane Watkins on 1/12/20 for inclusion in the meeting minutes</li> </ul>	
	Nuclear Power Engineering	<b>Daryl Harmon</b>
	<ul style="list-style-type: none"> <li>• Looking for a Standards Coordinator</li> </ul>	
	Power System Communications and Cybersecurity	<b>Ken Fodero</b>
	<ul style="list-style-type: none"> <li>• PSCC getting in the swing of starting to track their meeting attendance in 123Signup</li> </ul>	
	Power System Dynamic Performance	<b>Leonardo Lima</b>
	<ul style="list-style-type: none"> <li>• Overall most downloaded products &amp; most downloaded single product on the PES Resource Center in 2019.</li> </ul>	
	Power System Instrumentation and Measurement	<b>Jim McBride</b>
	<ul style="list-style-type: none"> <li>• Can IEEE provide someone to translate from Chinese to English for some of the entity working groups? Language barrier is difficult.</li> </ul>	
	Power System Operations, Planning and Economics	<b>Fran Li</b>
	<ul style="list-style-type: none"> <li>• Transition year for leadership, work on tutorials and webinars not standards, exploring new topic Internet of Things, eliminated older WGs without much activity</li> </ul>	



Power System Relaying and Control

**Russ Patterson**

- Doing inverter-based resource work, synchrophaser work, maintaining over 80 standards

Smart Buildings, Loads and Customer Systems

**Qun Zhou Sun**

- New but growing, 3 subcommittees, hosting a super session on multi-energy systems this year

Substations

**Joe Gravelle**

- Doing first host-less meeting, focused on leadership succession, cleaning up 123signup data records

Surge Protective Devices

**Steven Hensley**

- Sent SPDC report to pes-tech listserv on 1/12/20

Switchgear

**Doug Edwards**

- Working through a copyright issue, addressing increases in operating voltages in C84.1

Transformers

**Bruce Forsyth**

- Streamlining process of reviewing entity PARs, encouraging reviewers to not just reject but provide constructive feedback

Transmission & Distribution

**Gary Chang**

- Next month the 123Signup transition should be completed. Also, just uploaded TR73 to the PES Resource Center in December
- **Action:** Shana to distribute template for visa letter requests to the pes-tech alias (or directly to Ken Fodero of PSCC) to see the language used in an “invitation letter” when one is requested of a committee.

**3:00 – 3:15            BREAK**

- Shana presented language on AMS requirement to be proposed as an update to the Tech Council O&P. Wording was presented as follows for socialization purposes only and Diane Watkins will circulate to Tech Council for comments, revisions and vote.
- *To be in compliance as a technical or coordinating committee of the IEEE PES Technical Council, all technical and coordinating committees are required to keep accurate and up to date records of their committees, subcommittees, working groups and task forces in the Association Management System selected by the IEEE PES Technical Council. This includes individual participant information and rosters, meeting attendance, and historical information (i.e. names and roles of past committee members) to validate the work of the technical or coordinating committees.*

**3:15 – 3:20            TOPICS FROM TECHNICAL COMMITTEE CHAIRS by Invitation, continued**

- IEEE-SA requested feedback form members on how to increase participation by utilities

**3:20 – 3:40            TECH COUNCIL STRATEGIC PLANNING (RETREAT) Update**



Summary of Tech Council Retreat 2019 notes and action items  
2020 Strategic Meeting – site selection / locations – Dallas, Orlando, Atlanta

- **Action:** Farnoosh will finalize and distribute the TC Retreat 2019 Meeting Minutes and distribute by Weds. Jan. 15
- Looking for good rates & easy airport access
- We've had: Scottsdale, AZ, Las Vegas, NV,
- All day Thursday & ½ Friday Meeting – targeting November (before Thanksgiving)
- **Date selected: November 12 – 13, 2020**
- **2020 Locations:**
  - Dallas, TX
  - Orlando, FL
  - Atlanta, GA
- **Action:** Shana to contract w/ MCE for management of Nov. 2020 TC Retreat & site selection

**3:40 – 3:55 PES AWARDS UPDATE**

**Alfredo Vaccaro**

- Deadline approaching Jan. 31<sup>st</sup>

**3:55 – 4:15 PES Industry Technical Support Leadership Committee UPDATE D. Novosel / S. Pepin**

- **Action:** Vijay & Damir work together to define a scope on impact of weather related issues on the electrical power system and a group to work on a paper or responses on this topic

Standards and Interoperability  
Technology  
Education and Meetings & Conferences

**D. Houseman /C. Wong  
J. Nelson/D. Niebur  
S. Pepin**

**4:15 – 4:35 CIGRE-PES Collaboration**

**M. Szechtman / F. Rahmatian**

- PES Technical-Committee / CIGRE Study-Committee Mapping
  - **Action:** Farnoosh to set a deadline of end of February to complete the mapping draft for review

**4:35 – 5:05 Technical Activities Plan**

Technical Activities Updates  
Resource Center

**V. Vittal / S. Pepin  
S. Pepin  
S. Pepin/D. Fiorino**

**5:05 – 5:15 FELLOW NOMINATIONS UPDATE**

**M.T. Correia de Barros**

- Nominations due in March



5:15 – 5:40

## LIAISON REPORTS

IEC Liaison

M.Zaman

News/Info from IEEE Standards Association

M.Zaman

- o Malia provided ppt on IEEE-SA updates, myProject launch Jan. 26 (3-5 day no-use period), copyright updates, etc.

NASPI

J. Dagle?

- o Update point of contact from NASPI and typically this report is given at PES GM (not at JTCM) and next NASPI is in April

CIGRE (General Session & IEEE PES)

F. Rahmatian

- o PES has booths at CIGRE meetings and we also have a meeting coming up with CIGRE and our MOU with them allows for cross promotion of work – if your committees have input provide that to Farnoosh & Pat Ryan

CIGRE (US National Committee)

J. McDonald

SCC21

M. Siira/D. Lew/C. Ashton

- o Receiving a lot of entity proposals. Better to not reject because then you don't get any control over process

Sensors Council

F. Rahmatian

- o **Action:** Farnoosh will reach out to Sensors Council and will officially take over this liaison role. They meet 2 times per year and next time should be March and Farnoosh will have update for the PES GM

Other liaison reports not given at the meeting will be made part of the minutes

5:40 – 6:00

## OTHER BUSINESS/FUTURE MEETINGS

V. Vittal

Old Business

- o Discussion at retreat of IEEE 1863, topic for governing board, making sure this topic is on the record because retreat technically is not, have appealed to IEEE standards board and everything based on technical content has been dismissed, asking governing board to appeal to IEEE board of directors
- o Farnoosh move to appeal
  - Gary Chang second
  - 22 in favor
  - Non opposed or abstained

New Business

- o Fran Li presented on Open Access Journal of Power & Energy (OAJPE)
- o Hongbin Sun presented on the “The 4<sup>th</sup> IEEE Conference on Energy Internet and Energy System Integration” (IEEE EI<sup>2</sup>) – Oct. 30 – Nov 1, 2020, Wuhan, China (if you have any questions you can email [info@ieee-ei.org](mailto:info@ieee-ei.org) or [ieee-ei2@whu.edu.cn](mailto:ieee-ei2@whu.edu.cn))
- o Question asked about relationship between technical committees and PES China Chapter Council – tomorrow (Jan. 13, 2020) there will be a more formal meeting and discussion between the two groups on how to best work together but, generally speaking the best approach is to go through the “parent/main committee” and the committees in other regions



would report in and go through the “parent/main committee” with their activities.

### Next Meetings

2020 – GM, Montreal, QC, Canada

August 2 -7, 2020

6:00 ADJOURN

NOTICE: E-mail Supporting Documentation (e.g. presentations, reports) to: [Diane.Watkins@xcelenergy.com](mailto:Diane.Watkins@xcelenergy.com)