



IEEE Power & Energy Society Industry Technical Support Leadership Committee Implementation Plan and Organization Structure

December 2021

Scope and Objective

The IEEE Industry Technical Support Leadership Committee (ITS LC) scope includes:

- Providing and coordinating support to and cooperation with government, regulatory, and other industry organizations globally on technical issues related to power and energy topics. It does not include educational institutions.
- Coordinating corporate engagement initiatives with global industry organizations (utilities, ISOs, vendors, and others). It does not include educational institutions.

The objective is to follow the independent, peer review process, helping achieve coordinated and consistent communication and, if needed, fast-track results. In delivering results, the goal is to tap on IEEE membership, stakeholders, and various IEEE organization (e.g., Technical Committees, Chapters, Education, Conferences, Smart Grid, Smart Cities, Smart Village,).

The ITS LC also works closely with IEEE Standards Association (SA), IEEE-USA, and other IEEE Societies on an as needed basis.

Approach

IEEE cooperative efforts in the power and energy area result in formalized relationships with various government/regulatory organizations with each signing of a Memorandum of Understanding (MoU) with IEEE, including specific implementation plans for each initiative. IEEE volunteer leaders are assigned as liaisons to each initiative to facilitate the process and, together with participating organizations' liaisons, help develop specific implementation plans for each initiative.

IEEE PES have identified Corporate Engagement Program (CEP) as an important initiative to provide additional value to corporations that join through a well-defined program. It also encourages corporation management to support active membership engagement in various IEEE activities. This cooperative efforts in the power and energy area result in formalized relationships with each corporation member signing of a Memorandum of Understanding (MoU) with IEEE. IEEE PES volunteer leaders have been assigned as liaisons to each initiative to facilitate the process and, together with CEP member liaisons, help develop specific implementation plans for each initiative.



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Functions

- 1) The ITS LC identifies and coordinates activities in the following areas of power and energy industry:
 - a) Standards and Interoperability - Area 1
Improve the electrical power grid performance and interoperability for systems and equipment through timely development of standards.
 - b) Technology - Area 2
Support technology advancement through collaboration with existing IEEE working groups or development of new working groups.
 - c) Conferences and Meetings - Area 3
Facilitate participation at IEEE conferences, including organizing workshops, panel sessions, and project reviews.
- 2) Support the activities as noted in the Memorandum of Understanding agreements signed by IEEE with organizations within the power and energy industry.
 - a) Government and Regulatory Entities
 - b) Corporate Engagement Program Participants
 - c) Other Industry Organizations
- 3) Appoint individuals to serve as the IEEE PES point of contacts with each of the organizations that IEEE/PES has entered into an MOU with.
- 4) Work with IEEE PES VPs and other IEEE PES Governing Board members in the relevant functional areas to develop and deliver required material, while coordinating the IEEE response from within the larger IEEE community as required.
- 5) Facilitate participation from cooperating organizations at IEEE conferences, including organizing workshops, panel sessions, and project reviews.
- 6) Form Task Forces and Subcommittees as needed.

Organization Structure and Composition

The ITS LC shall report to the IEEE PES Governing Board through IEEE PES President. The members of the ITS LC shall be appointed by the Chair. The term office for Chair, Vice-Chair, and Secretary shall be for two years. Immediate Past Chair will serve as Nominations and Appointment Chair for two years. The term of office for all members shall be for one year. Having served one term, a member shall be eligible to be re-appointed, based on active participation, for up to four additional one-year terms, not to exceed five years of total service in this position.



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Officers and Points of Contact

IEEE PES Governing Board President: Jessica Bian

Chair: Aleksi Paaso

Vice-Chair: Nirmal Nair

N&A Committee Chair and IEEE PES EAC liaison: Damir Novosel

Marketing Lead: Jay Liu

IEEE PES Project Manager: Shana Pepin

IEEE PES CEP Support: Yuen Chan

IEEE PES Marketing: Jenny Brown

IEEE-USA: Chris Root and Tom Pierpoint

IEEE Standards Association: Ravi Subramanian/ Erin Spiewak/Rudi Schubert/ Malia Zaman

IEEE PES Technical Council liaison: Vijay Vittal

IEEE PES VP of Education: Babak Enayati

IEEE European Policy Committee: Jef Beerten

IEEE PES VPs and MALs are engaged in selected activities as identified below.

ITS Functional Areas Team

- **Standards and Interoperability**

Leads: Zhenyu Huang and Chan Wong

Supported by Erin Spiewak, Ravi Subramaniam, and Rudi Schubert (IEEE SA)

Coordinated with PES Member-At-Large for Standards

- **Technology**

Leads: Carla Frieh, Dagmar Niebur, and Tom King Jr.

Coordinated with PES Technical Council chair Hong Chan and liaison Vijay Vittal

- **Conferences and Meetings**

Leads: Veronika Rabl and Dagmar Niebur

Coordinated with PES VP of Conferences and Meetings Wayne Bishop

Region 8 leads – Lina Bertling, Jovica Milanovic, and Bojana Mihic

Region 9 leads - Juan Celis, Enrique Tejera, and Jaime Cepeda

Region 10 leads – Lalit Goel and Nilesh Modi



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ITS Regulatory/Government and Other Industry Organizations Team

- **DOE:** Chan Wong, Bill Hederman, and Zhenyu Huang (PES) and Ravi Subramaniam (SA)
- **FERC:** Bill Chiu and Babu Chalamala (PES) and Erin Spiewak (SA)
- **NERC:** Murty Yalla and Juan Castaneda (PES) and Ravi Subramaniam (SA)
- **Panama National Secretariat of Energy:** Enrique Tejera (PES)
- **NATF:** Marianna Vaiman (PES) and Chris Root (PES)

ITS Corporate Engagement Team (CEP)

- **Coordinators** - Sharma Kolluri and Marianna Vaiman
- **Region 1-7** – Sharma Kolluri (lead) and Marianna Vaiman (lead)
- **Region 8** – Jovica Milanovic (lead), Lina Bertling, and Bojana Mihic
- **Region 9** – Enrique Tejera (lead), Juan Celis, and Jaime Cepeda
- **Region 10** – Lalit Goel (lead) and Nilesh Modi

MOUs signed as of December 2021 are:

- **ComEd:** Calvin Zhang and Marianna Vaiman (IEEE liaison)
- **VELCO:** Chris Root and Veronika Rabl (IEEE liaison)
- **Quanta Technology:** David Elizondo and Sharma Kolluri (IEEE liaison)
- **ISO NE:** Xiaochuan Luo and Edvina Uzunovic (IEEE liaison)
- **National Grid:** Subhadarshi Sarkar and Farnoosh Rahmatian (IEEE liaison)
- **Australian Energy Market Operator (AEMO):** Nilesh Modi and Lalit Goel (IEEE liaison)
- **Panama Canal Authority:** Juan Celis (IEEE liaison)
- **Burns & McDonnell:** Amanda Olson and TBD (IEEE liaison)

Pending:

- **Panama Canal Authority:** Juan Celis (IEEE liaison)
- **Burns & McDonnell:** Amanda Olson and TBD (IEEE liaison)

In works:

- **AECOM USA** – Darcy Immerman
- **American Electric Power (AEP)** – Xuan Wu
- **ISA Columbia** – Juan Celis
- **OATI USA** – Ebrahim Vaahedi
- **PHI USA** – Marianna Vaiman
- **Siemens** – Rafael Ozaki Ochoa



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Awards Committee (2021)

- Aleksi Paaso
- Marianna Vaiman
- Nirmal Nair

Meetings and Funding

The activities of the committee shall normally be conducted via teleconference/email. Face to face meeting will be scheduled in conjunction with IEEE related conferences and meetings based on member availability. IEEE PES will cover operational expenses associated with committee activities, including travel requested by IEEE, as part of the ITS LC budget included in the PES VP of New Initiatives budget or, if needed to accomplish agreed goals, in budgets of other PES VPs. Unless budgeted and approved in advance by the Lead Officer, Members will be responsible for travel expenses to participate in face-to-face meeting.