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, Smart Grid, Smart Cities, Smart Village, Chapters, etc.).

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

Functions

1) The ITS LC will identify and coordinate 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 Participants
   c) Other Industry Organizations
IEEE Power & Energy Society
Industry Technical Support Leadership Committee
Implementation Plan and Organization Structure

3) Appoint individuals to serve as the IEEE PES point of contacts with each of the organizations that IEEE/PES has entered into a 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 the IEEE PES Vice President – New Initiatives/Outreach. The Lead Officer shall be appointed by the IEEE PES Vice President – New Initiatives/Outreach. The members of the ITS LC shall be appointed by the Chair.

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. Year 2019 is considered as first official year of the ITS LC.

Officers and Points of Contact

IEEE PES Governing Board VP of New Initiatives: Shay Bahramirad
Chair: Damir Novosel
Vice-Chair: Aleksi Paaso
Marketing Lead: Jay Liu, supported by Doug Houseman
IEEE PES Project Manager: Shana Pepin
IEEE PES Marketing: Jenny Brown
IEEE-USA: Chris Root
IEEE Standards Association: Erin Spiewak/Ravi Subramanian/Malia Zaman
IEEE PES Technical Council: Vijay Vittal
IEEE PES Corporate Engagement Educational Program Committee: Babak Enayati (interim)
IEEE European Policy Committee: Jef Beerten
IEEE PES VPs and MALs are engaged in selected activities as identified below.
IEEE Power & Energy Society
Industry Technical Support Leadership Committee
Implementation Plan and Organization Structure

**ITS Functional Areas Team**

- **Standards and Interoperability**
  *Leads:* Zhenyu Huang and Chan Wong
  Supported by Erin Spiewak and Ravi Subramaniam (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 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, Bojana Mihic

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

**Region 10 leads** – Lalit Goel and Nilesh Modi

**ITS Regulatory/Government and Other Industry Organizations Team**

IEEE efforts in the power and energy area have resulted in cooperative 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 have been assigned as interfaces to each initiative to facilitate the process. MOUs signed as of February 2020 are:

- **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**: Juan Celis (PES)
- **NATF**: Marianna Vaiman and Chris Root (PES)

In works:

- **NARUC (National Association of Regulatory Utility Commissioners)** - Ravi Subramaniam (SA)
- **EEA - Electricity Engineer’s Association New Zealand** – Nirmal Nair (PES lead)
- **California Public Utility Commission** – Babu Chalamala (PES Lead)
IEEE Power & Energy Society
Industry Technical Support Leadership Committee
Implementation Plan and Organization Structure

ITS Corporate Engagement Team

IEEE PES have identified Corporate Engagement as an important initiative to provide additional value to corporations that join through well-defined program. It also encourages corporation management to support active membership engagement in various IEEE activities. ITS LC organization is a volunteer home for this initiative led by the team below.

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

*IEEE PES VP of Membership and Image,* Julio Romero Aguero

*IEEE PES University CEP Committee,* Babak Enayati

This effort has resulted in cooperation with corporate engagement participants with each signing of a Memorandum of Understanding (MoU) with IEEE. IEEE PES volunteer leaders have been assigned as interfaces to each initiative to facilitate the process and help develop specific implementation plans for each initiative. MOUs signed as of February 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** – Enrique Tejera (IEEE Liaison)

In works:

- **AECOM USA** – Darcy Immerman
- **American Electric Power (AEP)** – Xuan Wu
- **Burns & McDonnell USA** – Amanda Olson
- **ISA Columbia** – Juan Celis
- **OATI USA** – Ebrahim Vaahedi
- **PHI USA** – Marianna Vaiman
- **Siemens** – Fahrudin Mekic
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.