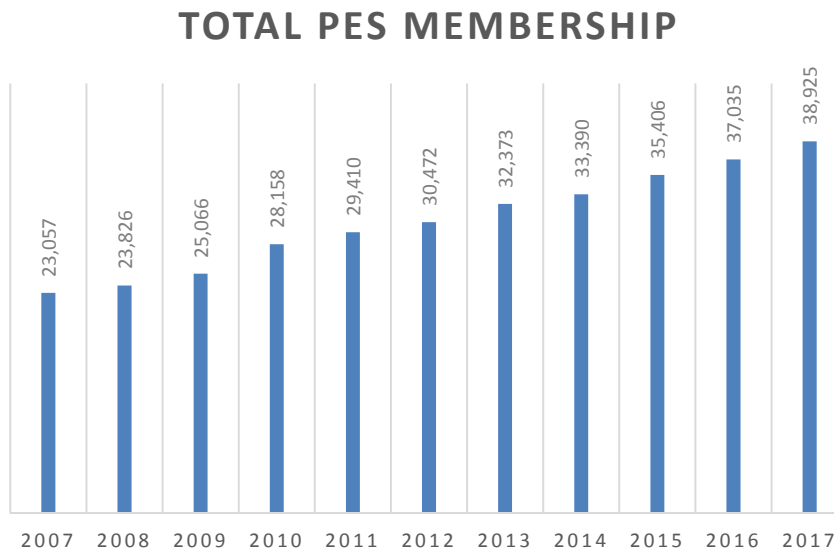


Overview of the IEEE PES Industry Technical Support Task Force (ITSTF)

MORE POWER TO THE FUTURE

Record Membership Growth!



Official PES Membership: 38,925

Focus

- Increased Industry Participation – Members to Volunteers
 - Valuable Products & Services, Conferences & Workshops
 - Increased Global Participation
 - Providing objective technical leadership, globally
- Respond to changing industry needs
- Fast-track standards development
- Cooperation with global government and regulatory agencies (e.g. U.S. DOE, NERC, FERC, EU., Ecuador, China Grid)

Supporting Global Agencies – IEEE MOUs

U.S. DOE to address grid modernization challenges

FERC MOU to address energy infrastructure & market challenges

IEEE & NERC MOU to perform and promote regional and international standardization

NA Transmission Forum MOU to facilitate interactions on issues pertaining to the electric transmission

Ministerio de Electricidad y Energia Renovable del Ecuador MOU to address reliability and resiliency challenges due to significant changes in the energy industry

EU Commission, California PUC, etc.

Industry Technical Support Task Force (ITS TF)

- Facilitates global collaboration between the IEEE and governments, regulatory, and other industry organizations to work together on important technical issues
- Provides independent and unbiased viewpoints from IEEE membership
- Leverages IEEE membership and various organizations (e.g. Technical Committees, Smart Grid and Smart Cities, chapters) to provide required support.
- Works closely with IEEE Standards Association (SA), IEEE USA, and other societies on a needed basis.
- Focus of the ITSTF is on important technical issues related to power and energy topics. ITSTF does not create IEEE policy

ITS TF Structure

- Task Team 1:
Standards and Interoperability
- Task Team 2:
Technology
- Task Team 3:
Conferences and Meetings
- Task Team 4:
Education

Involvement by:

IEEE Standards Association
IEEE USA
IEEE Policy Committee
IEEE Smart Grid
Other IEEE Societies

ITS TF Initiatives

- NERC
 - Identified a list of priority topics and made a plan to address them
 - Guide on the impact of low fault current on due to renewables – H1 ‘18
- FERC
 - Workshop on IEEE 1547 DER Interconnection (August 9, 2017)
 - Tutorial on Energy Storage by the BESS Committee (Feb 7, 2018)
 - Feasibility of “universal” transformer specs
 - Response to the resiliency docket
- DOE
 - White paper on the impact of IEEE 1547 standard on smart inverters – May ‘18
 - Supporting Grid Modernization Laboratory Consortium on interoperability, metrics and other key topics, Next Generation Distribution System Platform (DSPx) and Grid Digitization (by 2 committees)

Other ITS TF Activities

- Engage regulators and other industry organization (e.g. DOE, NERC, FERC, NATF, CPUC, ENTSO-E) in IEEE conferences and workshops
 - IEEE PES San Francisco Chapter has organized a workshop on DER Integration at California Public Utility Commission
 - PES ISGT 2018: Chair - M. Pesin (DOE Deputy Assistant Secretary); TC Chair - J. FitzPatrick (NIST); Organizing Committee - M. Taba (FERC), B. Cummings (NERC)
 - Participation at panel sessions: 2017 PES GM and 2018 ISGT, T&D, GM
- PES participation in regulatory and government initiatives
 - Attending FERC Technical Conference
 - Attending State Regulator Conferences, e.g. Ohio's Grid Modernization Initiative - Panel on Distributed Energy Resources
 - DOE-OE Smart Grid Communications R&D Roadmap Workshop
 - Etc.