

# Technical Committee Structure

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PES Switchgear Main Committee

(Heavily condensed from material presented  
to PES Technical Council)



## Current Committees

- 1) Emerging Technologies CC
- 2) Intelligent Grid CC
- 3) **Marine Systems CC**
- 4) Wind & Solar Power CC
- 5) **Electric Machinery**
- 6) Energy Development & Power Generation
- 7) Insulated Conductors
- 8) **Nuclear Power Engineering**
- 9) Power System Analysis, Economics & Computing
- 10) Power System Communications
- 11) **Power System Dynamic Performance**
- 12) Power System Instrumentation & Measurement
- 13) Power System Operations
- 14) Power System Planning & Implementation
- 15) Power System Relaying
- 16) Stationary Battery
- 17) Substations
- 18) **Surge Protective Devices**
- 19) **Switchgear**
- 20) Transformers
- 21) Transmission & Distribution

## Proposed Committees

- 1) Intelligent Grid & Emerging Technology CC
- 2) **Marine Systems CC**
- 3) Conductors
- 4) **Electric Machinery**
- 5) Energy Development
- 6) Energy Storage & Stationary Battery
- 7) Grid Communications & Cyber Security
- 8) **Nuclear Power Engineering**
- 9) Power System Analysis Methods
- 10) **Power System Dynamic Performance**
- 11) Power System Planning & Operations
- 12) Smart Buildings, Loads & Customer Systems
- 13) System Protection
- 14) Substations
- 15) **Surge Protective Devices**
- 16) **Switchgear**
- 17) Transformers
- 18) Transmission & Distribution

Red indicates committees with no change in scope

# Net Result of Proposed Changes

- Net 2 Coordinating Committees
  - 2 Coordinating Committees combined
  - 1 Coordinating Committee folded into a regular committee
- Net 18 Technical Committees
  - 1 Completely New Committee
  - 4 Committees folded into existing or new committees
- Renaming some committees and adjusted scopes

# Areas with weak coverage

- Cyber-Physical Security
- Micro-grid systems and operations
- Non-Hydro distributed generation
- Non-Battery storage
- Distribution operations software applications and ITC architecture
- Direct Current systems (components are covered)
- Customer premise (e.g. HAN)
- Trading (e.g. SO<sub>x</sub>, NO<sub>x</sub>, CO<sub>2</sub>, etc.)
- Non-engineer training (e.g. line workers)
- Health and Safety

# Committee Changes

- **Power System Instrumentation & Measurement Committee**
  - **Disband** and move the various activities to other committees
    - PSIM is responsible for IEEE Std 4 – HV Test Techniques. This would orphan IEEE Std 4 WG.
    - Major discussion at GM 2015 Denver on this issue.
    - My conclusion – IEEE Std 4 will not be orphan - adjustments will be made to support IEEE Std 4.

# Timeline

- Final structure defined at GM 2015
- Governing Board approval of structure plan at GM 2015
- Technical Council approve final structure in Jan 2016
- **Governing Board final approval of new structure in Jan 2016.**
  - This is an aggressive timeline to encourage active developments by Technical Committees.
  - This timeline is likely to change