Transmission & Substation Subcommittee Update

Ray Rouault, TSS Chair
Jay Liu, TSS Secretary

Planning Committee
June 13th, 2019
• New TSS Guideline on SVC, Section V.p, was posted in 12.2018
• Ongoing TSS Guideline review and development efforts:
  – New Section V.q on STATCOM
  – New Section VI.i on GIS facilities’ Rating Method
  – Updates of TSS Guideline Annex A, System Phasor Diagrams
  – TSS Guideline updates per CIP compliance
• TSS Guidelines been compared to recently peer reviewed DEDSTF std. and differences have been identified
  – Applicable latest technical references in DEDSTF std. are adapted into TSS Guidelines
  – Technical design data differences will be provided to DEDSS when it reconvenes.
  – TSS team will collaboratively review the details with DEDSS and propose applicable TSS Guideline changes.
Ongoing/future TSS Activities

- Review OHL rating methods (TSS Guideline Chapter VI, a.)
  - Education and knowledge transfer by SMEs (*Mr. Bob Munley, BGE*)
  - Practices survey among TSS member companies
  - Future work with new conductor technologies
- Review potential TSS guideline changes per resilience requirement and CIP compliances
- Appraise emerging power transmission technologies and potential design requirement updates
- Track best practices among TSS members
• Last revision by Dec. 2016
• New proposed editorial changes in Mission Sections:
  – Change “PJM Control Area” to “PJM system”
  – Consistency with Tariff/Manual languages
• New proposed editorial changes in Responsibility Sections:
  – Item 1: Modify TSS report to PC as annually
  – Item 2: Update terminologies
  – Consolidate item 1 & 5, and item 2 & 6, to eliminate redundancy