

Transmission and Substation Subcommittee Updates

Jay Liu, Ph.D.
Secretary, TSS Subcommittee
Sr. Lead Engineer
Transmission Coordination and
Analysis, PJM

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- TSS is a technical advisory subcommittee under PC <u>https://www.pjm.com/-/media/committees-</u> <u>groups/subcommittees/tss/tss-charter.ashx?la=en</u>
 - TSS Chair: Mr. Shashi Patel, PSE&G
 - Secretary: Jay Liu, PJM
- Maintain technical guidelines for transmission facilities
 - Investigate new technologies and develop associated design guidelines
 - Track best practices of the industry
- Monthly meetings



- TSS Special Session on Bare Overhead Transmission Conductor Ratings has concluded the work on:
 - Revised TSS Guide Section VI.a (Led by Bob May, BGE)
 - Revised and update the OHL Conductor Rating Calculation Tool
 - 2023 Revision is now posted with enhanced report options and improved calculation efficiency
- TSS team is investigating on additional applicable changes to TSS Guideline Chapter 6 Rating Guides to meet the future AAR rating requirement under FERC Order 881.
 - Section VI.e Outdoor Substation Conductor Ratings will be revised in 2023 similar to OHL (Led by Michelle Antantis, DL and Shashi Patel, PSE&G)
 - Some equipment sections (Circuit Breaker, Air Switch, Line Trap, Underground Cable, etc.)
 may need further line up with industry practices including manufacture inputs



- Periodic review of TSS Guideline Chapter 4 Spare Equipment Philosophy in 2023
 - No immediate revision is needed
 - Calls for further input and best practices from TOs on spare equipment related topics, such as
 - Design guide for spare facility 'cold cut-over' capability if needed
 - Coordination with aging infrastructure replacement
- New design and O&M challenges associated with climate change
- New materials and technologies
- Participations at industry technical forums



Presenter: Jay Liu

Jay.Liu@pjm.com

Transmission and Substation Subcommittee Update



Member Hotline

(610) 666 - 8980

(866) 400 - 8980

custsvc@pjm.com