

# Bulk Power System Oscillations Terms and Real-World Events

Engineering Analysis Task Team  
(EATT)

# Outline

- Task Force Mission
- Updates – Kickoff Meeting
- Action Items
- Questions and Discussion

# Task Force Mission

- To define and standardize terminology for electromechanical, forced, and sub/super-synchronous oscillations
  - Enhance and Update the WECC Oscillation Analysis Working Group (OAWG) Document, “Bulk Power System Oscillation Terms”
  - Develop a detailed white paper that outlines definitions, classifications and real-world examples for analyzing and mitigating power system oscillations.
- Support effective communication and consistent analytical practices for oscillation monitoring, detection, classification, and mitigation
  - Contribute to evolving standards and best practices that guide real-time monitoring, modeling, and mitigation of power system oscillations.
- Integrate insights from related task forces

# Updates – Kickoff Meeting

- Held the task force kickoff meeting on July 10, 2025, to discuss objectives, scope, and timelines for developing a comprehensive white paper on power system oscillations
- Engaged representatives from academia, industry experts, and utilities
- Prioritized revising the OAWG document to incorporate sub/super-synchronous oscillations and include new case studies, such as those involving large-scale data center loads
- Action items assigned to some task force members
- Set a preliminary schedule for document updates (05/2026) and white paper draft completion (07/2026)
- Scheduled monthly follow-up meetings to review progress

# Action Items

- Assigned so far
  - Examples of large load/data center related oscillations – Jimmy Zhang, Urmila Agrawal
  - Sub/super-synchronous oscillations – Urmila Agrawal, David Daigle
  - Real-world events – David Daigle
  - Natural response – Dan Trudnowski
- If anyone interested to get involved in this task force, feel free to reach out
  - Urmila Agrawal ([UAgrawal@ElectricPowerGroup.com](mailto:UAgrawal@ElectricPowerGroup.com))
  - Jimmy Zhang ([Jimmy.Zhang@Ercot.com](mailto:Jimmy.Zhang@Ercot.com))
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# Questions and Discussion





# Thank you for attending the NASPI Quarterly Task Team Meetings

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