

# Electromagnetic Transient (EMT) Modeling Task Force (EMTTF)

Website: [EMTTF](http://EMTTF)

Chairs: Adam Sparacino, MEPPI; Miguel Acosta, Vestas Americas

Hierarchy: Reports to IRPS

NERC Lead: Aung Thant

Scope Update: March 2023

Updated: September 2023

#	Task Description	Target Completion	Requested Action	Status
1	<b>EMT Modeling Standard Monitoring and Support</b> <i>Monitor and support the activities of Standard Project 2022-04 EMT Modeling</i>	Ongoing	None	EMT SAR review
2	<b>Reliability Guideline: Electromagnetic Transient Modeling and Simulations</b> <i>Reliability Guideline on EMT modeling and simulations of BPS-connected inverter-based resources – Screening and Studies, Application and Implementation of Results</i>  <i>(High Priority)</i> <i>(Related to 2021 NERC RISC Report Recommendations)</i>	Q2 2024	None	In Progress
3	<b>Organized Repo of Curated EMT Modeling Resources (“EMT Curriculum”)</b> <i>Repository of carefully curated EMT modeling and study references (recommended modeling and study practices, including verification, and validation of models, analysis approach and results, references to educational materials, tutorials and workshop presentations, case studies, automation approaches, frequently asked questions (FAQs) gathered from event Q&amp;A sessions, webinars, and other outreach efforts), organized in such a way that a beginner can self-guide their learning curve</i>  <i>(High Priority)</i>	Q4 2024	None	In Progress
4	<b>White Paper: Case Study on Adoption of EMT Modeling and Studies in Interconnection and Planning Studies for BPS-connected IBRs</b> <i>Identify TPs and PCs adopting EMT modeling and studies in their interconnection and planning studies for BPS-connected IBR and document challenges and progress</i>	Q1 2024	None	In Progress
5	<b>Assessment of The Need for EMT Modeling and Simulation in Offline Operation Studies and Requirements</b> <i>Identify the EMT model use cases in offline operation studies, unique challenges and requirements that differ from interconnection and planning study use cases</i>	Q4 2024	None	In Progress
<b>Completed Tasks</b>				
<b>Cancelled Tasks</b>				
<b>Tabled Tasks</b>				