Unofficial Nomination Form
Project 2020-02 Transmission-connected Dynamic Reactive Resources

Standard Authorization Request Drafting Team

**Do not** use this form for submitting nominations. Use the [electronic form](https://nerc.checkboxonline.com/9FA0C36F-2983-485F-9BE0-7EEC17B52088) to submit nominations for Standard Authorization Request (SAR) drafting team members by **8 p.m. Eastern, Monday, May 17, 2021.** This unofficial version is provided to assist nominees in compiling the information necessary to submit the electronic form.

Additional information is available on the [project page](http://nercdotcomstage/pa/Stand/Pages/Project_2020-02_Transmission-connected_Resources.aspx). If you have questions, contact Senior Standards Developer, Chris Larson (via email), or at 404-446-9708.

Background

The problem of increasing amounts of reactive power being supplied by nonsynchronous sources was identified in NERC’s 2017 Long-term Reliability Assessment. In response to the concern, the Planning Committee (PC) assigned the System Analysis and Modeling Subcommittee (SAMS) to study the issue. The SAMS developed the *Applicability of Transmission-Connected Reactive Devices* white paper, which was approved by the PC at its December 10-11, 2019 meeting. The PC Executive Committee reviewed the draft SAR from SAMS at its January meeting and subsequently approved the SAR by email vote ending on February 11, 2020. The SAR concerning Transmission-Connected Resources (TCR) aims to modify NERC Reliability Standards MOD-025, MOD-026, MOD-027, PRC-019 and PRC-024 to comprehensively include all types of dynamic reactive resources (including static var systems and FACTS) and DC transmission systems used to provide Essential Reliability Services (ERS) in the Bulk Electric System (BES).

Dynamic reactive resources used to provide ERS in the BES include generation resources (rotating machine and inverter-based) as well as transmission connected dynamic reactive resources (power-electronics based). Existing Reliability Standards for verifying the capability, modeling and performance of dynamic reactive resources are only applicable to Facilities comprising generation resources. Augmenting the applicability of these standards to include (nongeneration) transmission-connected reactive resources, both rotating machine (i.e. synchronous condenser) and power-electronics based, will enhance the BES reliability by ensuring that the capability, models and performance are verified and validated for all varieties of dynamic reactive resources utilized in providing ERS in the BES.

Standard(s) affected: PRC-024. **MOD-025, MOD-026, MOD-027, PRC-019 revisions will be coordinated with other project teams.**

By submitting a nomination form, you are indicating your willingness and agreement to actively participate in face-to-face meetings and conference calls. The time commitment for this project is expected to be one face-to-face meetings per quarter (on average two full working days each meeting) with conference calls scheduled as needed to meet the agreed upon timeline the team sets forth. Face-to-face meetings will be conducted only when CDC health guidelines permit. Team members may also have side projects, either individually or by sub-group, to present for discussion and review. Lastly, an important component of the team effort is outreach. Members of the team will be expected to conduct industry outreach during the development process to support a successful ballot. Previous drafting team experience is beneficial but not required. See the project page and nomination form for additional information.

NERC is seeking individuals who possess experience in the following areas:

* Developing and verifying dynamic models used in long-term planning assessments, specifically for transmission-connected reactive resources\*
* Modeling and studying transmission-connected reactive devices during interconnection studies or long-term planning assessments
* Performing equipment capability testing for transmission-connected reactive devices and rotating machines
* Understanding the large disturbance behavior of transmission-connected reactive devices, particularly the power electronic controls that govern the performance of these devices during abnormal grid conditions

\* Transmission-connected reactive resources generally refers to FACTS (Flexible AC Transmission System) devices such as Static Var Compensators (SVCs) and Static Synchronous Compensator (STATCOMs) as well as other power-electronic devices that fall in this category such as HVDC circuits and synchronous condensers.

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| Name:  |  |
| Organization: |  |
| Address: |  |
| Telephone: |  |
| Email: |  |
| Please briefly describe your experience and qualifications to serve on the requested SAR Drafting Team (Bio): |

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| **If you are currently a member of any NERC drafting team, please list each team here:**[ ]  Not currently on any active SAR or standard drafting team. [ ]  Currently a member of the following SAR or standard drafting team(s): |
| **If you previously worked on any NERC drafting team please identify the team(s):** [ ]  No prior NERC SAR or standard drafting team.[ ]  Prior experience on the following team(s): |
| **Acknowledgement that the nominee has read and understands both the *NERC Participant Conduct Policy* and the *Standard Drafting Team Scope* documents, available on NERC Standards Resources.**[ ]  Yes, the nominee has read and understands these documents. |

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| Select each NERC Region in which you have experience relevant to the Project for which you are volunteering: |
| [ ]  MRO[ ]  NPCC[ ]  RF | [ ]  SERC[ ]  Texas RE [ ]  WECC | [ ]  NA – Not Applicable |

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| **Select each Industry Segment that you represent:** |
| [ ]  | 1 — Transmission Owners |
| [ ]  | 2 — RTOs, ISOs |
| [ ]  | 3 — Load-serving Entities |
| [ ]  | 4 — Transmission-dependent Utilities |
| [ ]  | 5 — Electric Generators |
| [ ]  | 6 — Electricity Brokers, Aggregators, and Marketers |
| [ ]  | 7 — Large Electricity End Users |
| [ ]  | 8 — Small Electricity End Users |
| [ ]  | 9 — Federal, State, and Provincial Regulatory or other Government Entities |
| [ ]  | 10 — Regional Reliability Organizations and Regional Entities |
| [ ]  | NA – Not Applicable |

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| Select each Function**[[1]](#footnote-1)** in which you have current or prior expertise:  |
| [ ]  Balancing Authority[ ]  Compliance Enforcement Authority[ ]  Distribution Provider[ ]  Generator Operator[ ]  Generator Owner[ ]  Interchange Authority[ ]  Load-serving Entity [ ]  Market Operator[ ]  Planning Coordinator | [ ]  Transmission Operator [ ]  Transmission Owner[ ]  Transmission Planner[ ]  Transmission Service Provider [ ]  Purchasing-selling Entity[ ]  Reliability Coordinator [ ]  Reliability Assurer[ ]  Resource Planner |

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| Provide the names and contact information for two references who could attest to your technical qualifications and your ability to work well in a group: |
| Name: |  | Telephone: |  |
| Organization: |  | Email: |  |
| Name: |  | Telephone: |  |
| Organization: |  | Email: |  |

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| Provide the name and contact information of your immediate supervisor or a member of your management who can confirm your organization’s willingness to support your active participation. |
| Name: |  | Telephone: |  |
| Title: |  | Email: |  |

1. These functions are defined in the NERC [Functional Model](http://www.nerc.com/pa/Stand/Functional%20Model%20Advisory%20Group%20DL/FMAG_Inf_Functional%20Model%20v6%20%28clean%29.pdf), which is available on the NERC web site. [↑](#footnote-ref-1)