Unofficial Nomination Form
Project 2020-06 Verification of Models and Data for Generators

Standard Authorization Request Drafting Team

**Do not** use this form for submitting nominations. Use the [electronic form](https://nerc.checkboxonline.com/3100CD22-8A84-4D12-9A38-91BF308E9D9A) to submit nominations for **Project 2020-06 Verification of Models and Data for Generators** Standard Authorization Request (SAR) drafting team members by **8 p.m. Eastern, Thursday, January 14, 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_06-Verifications-of-Models-and-Data-for-Generators.aspx). If you have questions, contact Senior Standards Developer, Chris Larson (via email), or at 404-446-9708.

By submitting a nomination form, you are indicating your willingness and agreement to actively participate in face-to-face meetings and conference calls.

Previous drafting or review team experience is beneficial, but not required. A brief description of the desired qualifications, expected commitment, and other pertinent information is included below.

Background

The NERC Inverter-based Resource (IBR) Performance Task Force (IRPTF) undertook an effort to perform a comprehensive review of all NERC Reliability Standards to determine if there were any potential gaps or improvements. The IRPTF identified several issues as part of this effort and documented its findings and recommendations in the “IRPTF Review of NERC Reliability Standards White Paper,” which was approved in March 2020 by the Operating Committee and the Planning Committee (now part of the Reliability and Security Technical Committee (RSTC)). Among the findings noted in the white paper, the IRPTF identified issues with MOD-026-1 and MOD-027-1 that should be addressed. The RSTC endorsed the SAR on June 10, 2020.

Consistent with the IRPTF recommendations, the scope of the proposed SAR includes revisions to NERC Reliability Standards MOD-026-1 and MOD-027-1. Standards MOD-026-1 and MOD-027- 1 require, among other things, Generator Owners to provide verified dynamic models to their Transmission Planner for the purposes of power system planning studies. Both standards contain language that is specific to synchronous generators that is not applicable to IBRs. The IRPTF recommended revisions to clarify the applicable requirements for synchronous generators and IBRs. As such, the SAR proposes revisions to MOD-026-1 and MOD-027-1 to clarify requirements related to IBRs and to require sufficient model verification to ensure accurate generator representation in dynamic simulations. The Standards Committee accepted the IRPTF SAR and authorized posting at its September 24, 2020 meeting.

Project 2020-02 Transmission-connected Dynamic Reactive Resources SAR was posted from March 30 to May 13, 2020, and members of a SAR DT were solicited. However, Project 2020-02 was paused indefinitely, and a SAR DT was not appointed. Subsequently, a second SAR involving similar standards, namely MOD-026 and MOD-027, was being drafted by the IRPTF and approved for posting in September 2020 by the Standards Committee. The Project 2020-06 Verifications of Models and Data for Generators SAR will be posted for industry comment, and additional nominees with MOD-026/027 background will be sought. A single SAR DT will be charged with determining whether to combine the two projects and drafting a combined SAR.

Standard(s) affected: MOD-026, MOD-027

Drafting Team activities include participation in technical conferences, stakeholder communications and outreach events, periodic drafting team meetings and conference calls. Approximately one face-to-face meeting per quarter can be expected (on average three full working days each meeting) with conference calls scheduled as needed to meet the agreed-upon timeline the drafting team sets forth. NERC is seeking individuals who possess experience in the following areas:

* Developing and verifying models involving Inverter Based Resources (IBR) and synchronous generators used in long-term planning assessments
* Understanding the large disturbance behavior of IBRs, modelling parameters associated with voltage control behavior during large disturbance conditions, and the associated verification methods and practices for IBRs
* 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): |
| **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)