Unofficial Nomination Form  
Project 2021-01 System Model Validation with IBRs​

**Do not** use this form for submitting nominations. Use the [electronic form](https://nerc.checkboxonline.com/2021-01-System-Model-Validation-with-IBRs--Supplemental-Drafting-Team-) to submit nominations for **Project 2021-01** **System Model Validation with IBRs​** drafting team members by **8 p.m. Friday, December 20, 2024.** This unofficial version is provided to assist nominees in compiling the information necessary to submit the electronic form.

Additional information about this project is available on the [project page](https://www.nerc.com/pa/Stand/Pages/Project_2021-01_Modifications_to_MOD-025_and_PRC-019.aspx). If you have questions, contact Senior Technical Advisor, [Al McMeekin](mailto:al.mcmeekin@nerc.net) (via email), or at 470-409-2775.

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 Standard review team experience is beneficial, but not required.

# **Project Information**

## Project Purpose

FERC Order No. 901 – Milestone 3, Part 3: System Model Validation with IBRs SAR addresses regulatory directives from NERC Standards Development Work Plan to respond to FERC Order No. 901. This project will address the following FERC Order No. 901 directives:

1. “Pursuant to section 215(d)(5) of the FPA, we adopt the NOPR proposal and direct NERC to submit new or modified Reliability Standards that require Bulk-Power System planners and operators to validate, coordinate, and update in a timely manner the system models by comparing all generator owner, transmission owner, and distribution provider verified IBR models (i.e., models of registered IBRs, unregistered IBRs, and IBR-DERs that in the aggregate have a material impact on the Bulk-Power System) and resulting system models against actual system operational behavior.” (P 156)
2. “Specifically, we direct NERC to develop new or modified Reliability Standards that require planning coordinators, transmission planners, reliability coordinators, transmission operators, and balancing authorities to establish for each interconnection a uniform framework with modeling criteria, a registered modeling designee, and necessary data exchange requirements both between themselves and with the generator owners, transmission owners, and distribution providers to coordinate the creation of transmission planning, operations, and interconnection-wide models (i.e., system models) and the validation of each respective system model.” (P 161)
3. “For those areas with IBR-DERs in the aggregate that have a material impact on the reliable operation of the Bulk-Power System but do not have an associated registered distribution provider, we modify the NOPR proposal to direct NERC to determine the appropriate registered entity responsible for the models of those IBR-DERs and to determine the registered entities responsible for updating, verifying, and coordinating models for IBR-DERs in the aggregate to meet the system models directives.” (P 161)
4. “Further, we believe that there is a need to have all of the directed Reliability Standards effective and enforceable well in advance of 2030 and direct NERC to ensure that the associated implementation plans sequentially stagger the effective and enforceable dates to ensure an orderly industry transition for complying with the IBR directives in this final rule prior to that date.” (P 226)

Standards Affected

MOD-033-2

Nominee Expertise Requested   
NERC is seeking individuals from Balancing Authorities, Reliability Coordinators, Transmission Operators, Transmission Owners, Transmission Planners, and Planning Coordinators with expertise in system model validation, system model practices, and disturbance-based playback including event triggering and data capture.

# **Time Commitment Expectations**

Time commitments for most projects include up to two face-to-face meetings per quarter (on average two full working days each meeting) with conference calls scheduled as needed. Team members can agree to individual or subgroup assignments, hold separate meetings, and present to the full drafting team for discussion and review. Another important component of quality reviews and drafting team efforts is outreach. Members of the team will be expected to conduct industry outreach during the development process to support a successful project outcome.

## Project Priority

Each project will be developed according to that project’s priority status. While each standard project addresses particular industry needs, some will be identified as a higher priority. A high priority project can include a strict timeline, which may be needed to effectively respond to a FERC Directive or other factors determined by the NERC Board of Trustees. A high priority project may also need to increase the frequency of meetings at any time throughout the development process to account for project timeline needs. Similarly, low priority projects may adjust to less frequent meetings to reallocate resources to high priority projects.

This project has been identified as a high priority at this time. The project has a FERC deadline of November 4, 2025. To meet this deadline, the team will meet regularly, up to three times a week on conference calls, with face-to-face meetings scheduled as the members’ schedule allows, up to once a quarter.

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| Name: |  | | |
| Organization: |  | | |
| Address: |  | | |
| Telephone: |  | | |
| E-mail: |  | | |
| Please briefly describe your experience and qualifications to serve on the requested Standard 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. | | | |
| 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 | | | | |
| Select each Function 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 | | |
| 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: | |  | E-mail: |  |
| Name: | |  | Telephone: |  |
| Organization: | |  | E-mail: |  |
| 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: |  |

Version History

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| Version | Date | Revision Details |
| 1.0 | 7/25/2023 | Removed footnote to NERC Functional Model |
| 2.0 | 8/22/2023 | Updated to include project information headers, language regarding time commitments, and project priority |
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