

Dynamic Model Application Requirements

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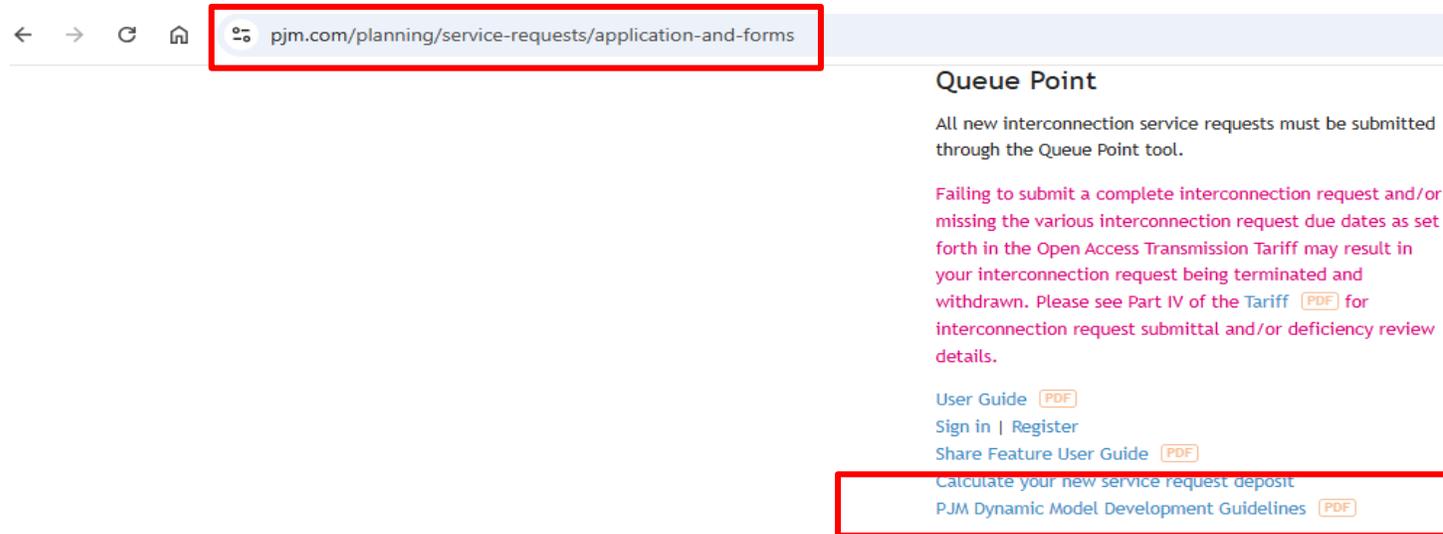
Interconnection Process Subcommittee

February 23, 2026

Dynamic Model Application Requirements

- Dynamic Model Development Guidelines (DMDG)
- Common Dynamic Data Deficiencies
- PSCAD/EMT Model for TC2 Phase II

- Dynamic data must be submitted in accordance with the PJM Dynamic Modeling Development Guidelines (DMDG)
 - **Rev 2** of the PJM Dynamic Modeling Development Guidelines can be found here : <https://www.pjm.com/-/media/planning/services-requests/pjm-dynamic-model-development-guidelines.ashx>



- Missing deliverables from DMDG package
 - Missing DMDG checklist
 - Missing PQ curve for the Inverter used
 - MFO/PF requirement not met or assessment tables missing
- Data mismatch between submitted PSSE model and NextGen
 - Station Load
 - GSU and MPT information
 - Attachment line and Collector system information

*** DMDG Rev2 requires a comparison table between NextGen and PSSE values in the Model Report**

- Dynamic data deficiencies for **uprate** projects
 - NextGen application should contain data for the uprate portion of the project only
 - A combined (base + uprate) dynamic model (.idv and .dyr) should be submitted
 - The PJM Testing Requirements and Deliverables should be for the combined project (base + uprate)
- Dynamic data deficiencies for **Distributed Energy Resources (DER)** Projects
 - Should follow requirements specified by the Interconnecting Transmission Owner (TO)
 - If there are no TO requirements, then DER should follow IEEE 1547
 - Submit a dynamic model package and report following TO requirements and/or IEEE 1547 with a completed DMDG checklist

- EMT Guidelines document will be posted on PJM.com by end Feb
- Project Developers required to submit PSCAD models will be notified via email after the posting
- Working and tested PSCAD models will be required to be submitted at TC2 Decision Point II

DMDG Update	Common Dynamic Data Deficiencies	EMT Model at DP II
<ul style="list-style-type: none"> Updated version (Rev2) of DMDG is available on PJM.com 	<ul style="list-style-type: none"> Project Developer should pay close attention while submitting project data Ensure all applicable Dynamic Model Development Guidelines were followed 	<ul style="list-style-type: none"> EMT/PSCAD model should be submitted according to PJM EMT Guidelines for notified projects at TC2 DP II

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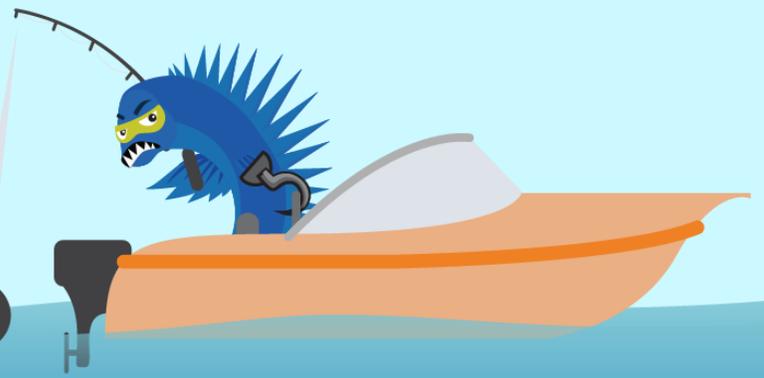
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