



NOGRR245 Workshop

PGRR109 Model Review Process and Timeline

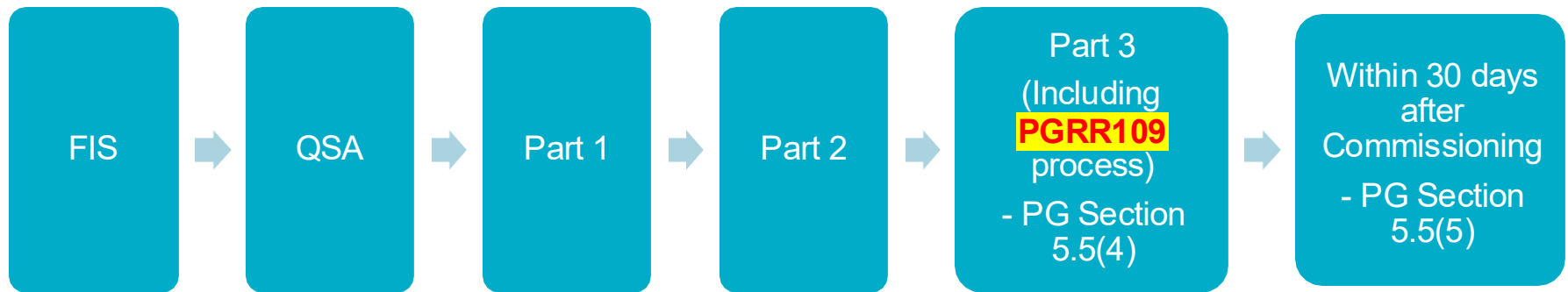
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August 8, 2025

Introduction

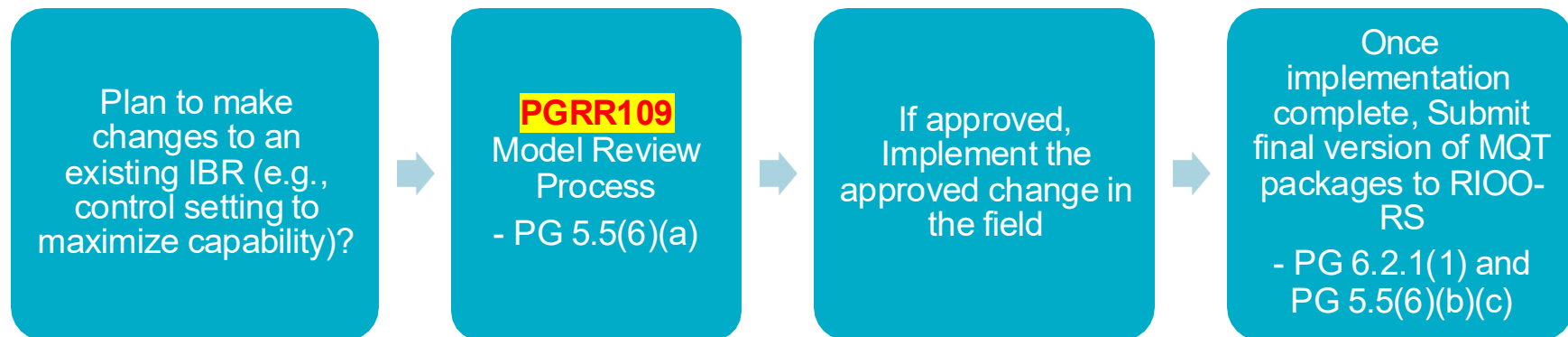
- PGRR109 model review process has been effective since May 1, 2024
- Purpose:
 - Ensure as-built data is consistent with parameters and performance of as-studied data (e.g., quarterly stability assessment) ***prior to Resource Commissioning Date (RCD)***
 - Review proposed modifications *during operations* such as control settings and equipment changes affecting dynamic response at POI ***before implementation in field***
 - Address NERC Reliability Standard FAC-002-4 by identifying qualified changes

Prior to RCD - Model Review Process



- **Example:** Interconnecting Entity (IE)/Resource Entity (RE) must submit model quality tests for Full Interconnection Study (FIS), Quarterly Stability Assessment (QSA), Part 3 **before** Resource commissioning and **again** within 30 days after commissioning
- Details of process for unit going through GIM process is in [Planning Guide 5.5\(4\)](#)

During Operation - PGRR109 Model Review Process



- Example: if operational IBR plans to change control settings to maximize ride-through capability at POI, it must go through model review process (see [PG5.5 \(6\)](#)) **prior to** implementing changes in the field

Note: Major modifications (e.g., inverter unless replacement is in-kind) under [Planning Guide 5.2.1\(1\)\(c\)](#) must go through Generator Interconnection or Modification (GIM) process **not** PGRR109 model review process

Model Review Timeline

- ERCOT model review may take 10 Business Days and can extend by up to 20 more days
 - Take review time into account
 - Example: if you submit review request in October, you might not meet NOG 12/31/25 maximization deadline due to review time
- ERCOT may request interconnecting Transmission Service Provider (TSP) to conduct limited stability study
 - Example: if proposed modification to existing IBR needs further review by TSP, the TSP's limited stability study may take up to 90 days
- Review may result in Resource having to go through GIM process as qualified change under [PG 5.2.1\(1\)\(c\)\(iii\)](#)

Key Takeaway: Take review timeline into account!

Key Requirements for Model Review

- Follow instructions carefully to help avoid delays in model review request
 - Instruction and process in [PG 5.5\(4\)](#) and [5.5\(6\)\(a\)](#)
 - Example: Submit request for proposed modification to existing Resource to dynamicmodels@ercot.com
 - Include appropriate phrases in email subject line (e.g., IBR proposed modification), reasons for proposed modifications, appropriate dynamic model for proposed modification, results of model quality tests overlaid with results before the modification, and associated simulation files pursuant to paragraph (5)(c) of [PG 6.2](#)
 - Review latest [Dynamics Working Group \(DWG\) Procedure Manual](#) and [Model Quality Guide](#) checklist to ensure you submit complete package

Question about Model Review Process

- For questions about model review process, send email to dynamicmodels@ercot.com