



NOGRR245 Workshop #2: PGRR109 Model Review Process and Timeline

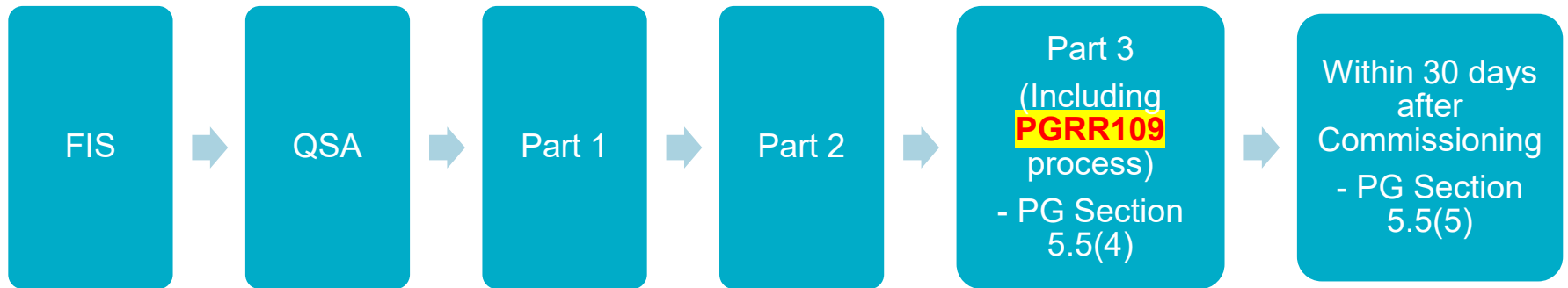
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Introduction

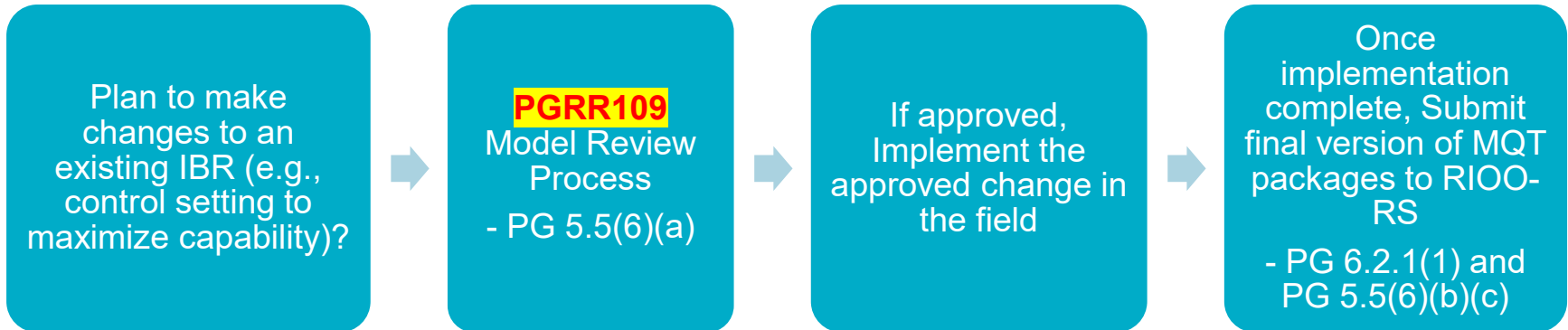
- The PGRR109 model review process is existing process and has been effective since May 1, 2024
- Purpose of the Process:
 - Ensure that the as-built data is consistent with the parameters and performance of the as-studied data (e.g., quarterly stability assessment), prior to Resource Commissioning Date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

Prior to Resource Commissioning Date - PGRR109 Model Review Process



- For instance, the IE/RE must submit model quality tests for FIS, QSA, Part 3 before resource commissioning, and again within 30 days after commissioning
- The details of the PGRR109 process for the unit going through GIM process is available in [Planning Guide 5.5\(4\)](#)

During Operation - PGRR109 Model Review Process



- For example, if an operational IBR plans to change control settings to maximize its capability, affecting dynamic response at the POI, it must go through the PGRR109 model review process (see [PG5.5 \(6\)](#)) prior to implementation in the field

Note: Major modifications (e.g., inverter unless the replacement is in-kind) that fall under [Planning Guide 5.2.1\(1\)\(c\)](#) must go through the GIM process, not the PGRR109 review process

Timeline

- ERCOT's review may take 10 business days and can be extended by up to 20 more
- ERCOT may request the interconnecting TSP to conduct a limited stability study. For example, if a proposed modification to an existing IBR needs further review by the TSP, the TSP's limited stability study may take up to 90 days
- The review may result in requesting RE to undergo the GIM process as a qualified change under [PG 5.2.1\(1\)\(c\)\(iii\)](#)

Key Requirements for PGRR109 Model Review

- Follow the instructions carefully to help avoid delays in your PGRR109 review request
 - Instruction and process are in [PG 5.5\(4\)](#) and [5.5\(6\)\(a\)](#)
 - Example: submit a request for a proposed modification to existing unit to dynamicmodels@ercot.com
 - Include appropriate phrases in the email subject line (e.g., IBR proposed modification), reasons for the proposed modifications, appropriate dynamic model for the proposed modification, results of the model quality tests overlaid with the results before the modification, and associated simulation files pursuant to paragraph (5)(c) of [PG 6.2](#)
 - Review the latest [DWG procedure manual](#) and [model quality guide](#) checklist to ensure you put together a complete submission

Question about PGRR109 Model Review Process ?

- If you have any questions about PGRR109 model review process, please send an email to dynamicmodels@ercot.com