



PGRR 052

PGRR 054

NPRR 809

(August 30 2017, GINR Workshop)

Introduction

- ERCOT Board of Directors approved PGRR 052, 054 and NPRR 809 in April 2017, and Market Notice (W-A070617-03) was sent out in July 2017.

PGRR052

- New Quarterly Stability Assessment for new generation before Initial Synchronization
- Requires generators to meet certain study and data requirements before being included in QSA

PGRR054

- Defines actions to be taken when stability problems found in the FIS
- Changes GINR FIS communication practice

NPRR809

- Changes in confidentiality provisions for new generators
- Requires all GTC to have an exit plan

What's in PGRR052?

PGRR052 Quarterly Stability Assessment (QSA)

- What is it?
 - A stability assessment conducted by ERCOT every three months for a group of new generation
 - Purpose: To identify any stability operating limits and to establish Generic Transmission Constraints (GTC) and Generic Transmission Limits (GTL) if needed
- Requirements for a resource to be included in the QSA:
 - Planning Guide Section 6.9, addition of new generation resources to planning model
 - All data submitted for new generation resources
 - Full Interconnection Study (FIS), Reactive Power Study, System Improvement or mitigation plan
 - All data used in the studies must be consistent with the data submitted to ERCOT

What's in PGRR052?

PGRR052

Quarterly Stability Assessment (QSA)

- Timeline for QSA:

All-Inclusive Generation Resource Initial Synchronization Date	Last Day for an IE to meet prerequisites as listed in paragraph (4) below	Completion of Quarterly Stability Assessment
Upcoming January, February, March	Prior August 1	End of October
Upcoming April, May, June	Prior November 1	End of January
Upcoming July, August, September	Prior February 1	End of April
Upcoming October, November, December	Prior May 1	End of July

- If a GINR is not included in QSA, its Initial Synchronization date will be automatically delayed to the next quarter
- More details can be found in ERCOT Planning Guide Section 5.9

What's in PGRR054?

PGRR054

Confidentiality, Instability Mitigation, Posting Requirement

- What is it?
 - Revision to ERCOT Planning Guide related to Generation Interconnection Process and Posting Requirement
- Purpose:
 - To clarify review period, process for posting the result of a FIS
 - To establish a process for identifying, proposing and implementing solutions to stability issues identified during the FIS

Key Changes – PGRR054

PGRR054

Confidentiality, Instability Mitigation, Posting Requirement

- Confidentiality on all data, documents or other information regarding a GINR, including the identity of the IE, will remain Protected Information

Old	New
Until ERCOT receives written notice from the IE that this information may be made public or until an SGIA is executed	Until ERCOT receives written notice from the IE that this information may be made public or until IE requests an FIS

Key Changes – PGRR054

PGRR054

Confidentiality, Instability Mitigation, Posting Requirement

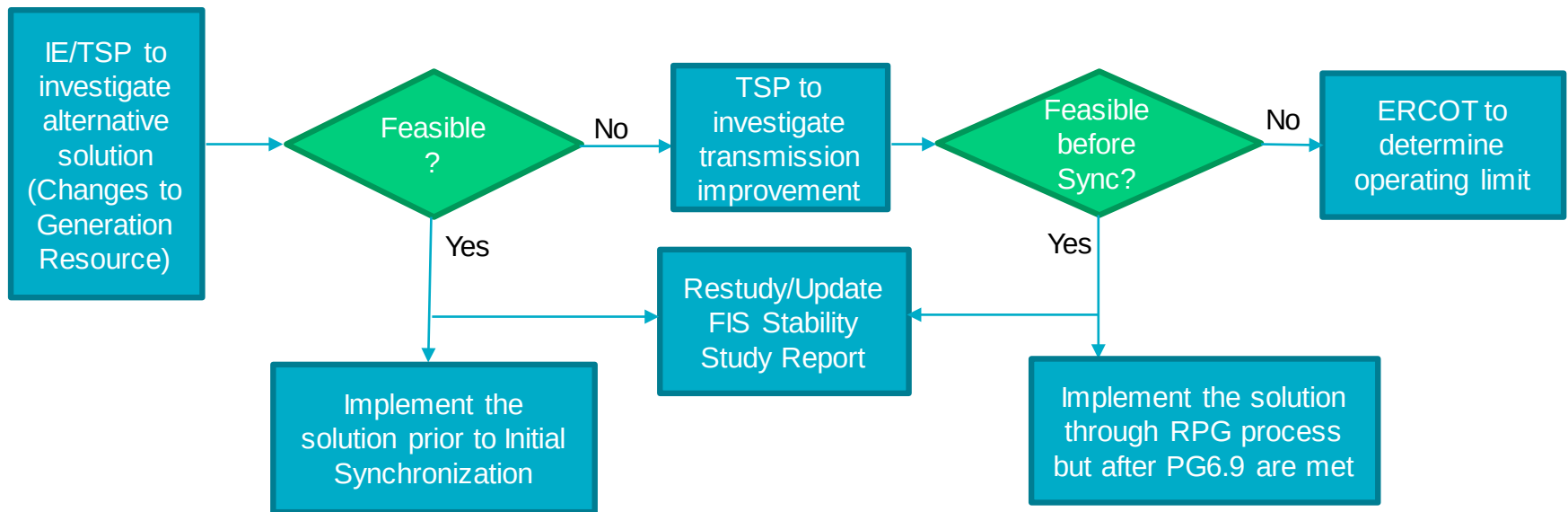
- FIS Report Sharing and Posting

Old	New
TSPs shared the report with IE	TSPs are not allowed to share the draft report with IE. Final report is posted in the ERCOT MIS secure area
Steady-state, short circuit reports → ERCOT MIS Secure Area	Draft FIS reports → ERCOT MIS TSP-Certified Area
Stability study report → ERCOT MIS TSP-Certified Area	Final FIS reports → ERCOT MIS Secure Area Protected Information should NOT be revealed in the final reports (e.g. contingencies causing instability issue, stability data, etc.)

Key Changes – PGRR054

PGRR054 Confidentiality, Instability Mitigation, Posting Requirement

- TSP responsibilities after instability is identified:
- Identify mitigation plan of the instability issue after a final report is posted in the MIS Secure Area



What's in NPRR809?

NPRR809

Confidentiality Provisions, GTC Exit Plan

- An Interconnecting Entity (IE) shall not proceed to Initial Synchronization of an All-Inclusive Generation Resource in the event of any of the following conditions:
 - ERCOT has reasonably determined that the All-Inclusive Generation Resource may violate operational standards established in the Protocols, Planning Guide, Nodal Operating Guides, and Other Binding Documents, and the Resource Entity has not yet demonstrated to ERCOT's satisfaction that the All-Inclusive Generation Resource can **comply with these standards** (Effective on August 1, 2017);
 - The requirements of Planning Guide Sections 5.4, Study Processes and Procedures, and 5.9, **Quarterly Stability Assessment**, have not been completed for the All-Inclusive Generation Resource (Effective on August 1, 2017); or
 - Any required **sub-synchronous resonance studies** have not been complete and approved by ERCOT for at least 90 days (To be effective on January 1, 2018)
- No later than 180 days after the effective date of a new GTC, ERCOT shall post a report listing alternatives to exit plan of the GTC to the MIS Secure area (Effective date: TBD)

Question?

