



FERC, NERC, and Regional Activities

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October 20, 2023

NERC Compliance

Reliability & Standards Compliance

Subcommittee

STANDARDS:
NERC
Glossary

[Project 2022-01](#) Reporting ACE Definition and Associated Terms

PROJECT BACKGROUND:

Second drafts for definitions of:

- Inadvertent Interchange Management (I_{IM})
- Reporting Area Control Error (Reporting ACE)

*First draft for definition of:

- ACE Diversity Interchange (ADI)

[Comment Form](#)

Action

End Date

**Comments &
Balloting**

10/30/23

STANDARDS:
**NERC
Glossary**

[Project 2020-06](#) Verifications of Models and Data for Generators

PROJECT BACKGROUND:

Power Electronic Device (PED): Any device connected to the ac power system through a power electronic interface that generates or transmits active power or reactive power, or absorbs active power for the purposes of re-injecting it at a later time. This term excludes any load.

Inverter-Based Resource (IBR): Any source of electric power consisting of one or more Power Electronic Devices (PEDs), that operates as a single resource, supplies primarily active power, and connects to the Bulk Power System. An IBR plant/facility includes the Power Electronic Devices, and the equipment designed primarily for delivering the power to a common point of connection (e.g. step-up transformers, collector system(s), main power transformer(s), and power plant controller(s)).

[Comment Form](#)

Action

End Date

Comments

10/24/23

<p>STANDARD: VAR-002</p>	<p><u>Project 2021-02</u> Modifications to VAR-002-4.1</p>		
<p>PROJECT BACKGROUND:</p>		<p>Action</p>	<p>End Date</p>
<p>Third draft of VAR-002 revisions; and Implementation Plan</p> <p>To clarify VAR-002-4.1, Requirement R3, in regards to whether the GOP of a dispersed power resource must notify its associated TOP upon a status change of a voltage controlling device on an individual generating unit; for example, if a single inverter goes offline in a solar photo-voltaic (PV) Facility.</p> <p>Project 2016-EPR-02 Enhanced Periodic Review of Voltage and Reactive Standards” recommendations (Attachment 5) should be considered within the “Project 2021-02 Modifications to VAR-002-4.1 SAR. Recommendations provide a review of VAR-002 Requirements R1-R6 for consideration of IBR Voltage/VAR control and operation.</p> <p>Comment Form</p>		<p>Comments & Balloting</p>	<p>11/06/23</p>

<p>STANDARD: MOD-031</p>	<p align="center"><u>Project 2023-08</u> Modifications of MOD-031 Demand and Energy Data Standards Authorization Request (SAR)</p>
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PROJECT BACKGROUND:	Action	End Date
<p>The NERC Reliability Standard MOD-031-3 seeks to “provide authority for applicable entities to collect Demand energy and related data to support reliability studies and assessments and to enumerate the responsibilities and obligations of requestors and respondents of that data.” This project’s goal is to ensure that various forms of historical and forecast Demand, energy data, and information are available to the parties that perform reliability studies and assessments and provide the authority needed to collect the applicable data.</p> <p>Comment Form</p>	<p>Comments & Drafting Team Nominations</p>	<p>11/08/23</p>

STANDARD:
MOD-032

Project 2022-02 Modifications of TPL-001 and MOD-032

PROJECT BACKGROUND:

Second draft of MOD-032-2 Data for Power System Modeling and Analysis

Project is in two phases, with this first phase addressing MOD-032-1 in data collection for the purposes of modeling aggregate levels of DERs in planning assessments. The goal is to provide clarity and consistency for data collection across PCs and TPs when coordinating with the DP to gather aggregate load and aggregate DER data.

[Comment Form](#)

Action

End Date

**Balloting
&
Comments**

11/20/23

STANDARD:
BAL-502-RF-03

RF REGIONAL STANDARD BAL-502-RF-03

PROJECT BACKGROUND:

The purpose ReliabilityFirst is posting [BAL-502-RF-03](#) Planning Resource Adequacy Analysis, Assessment and Documentation as part of the required five-year review.

- Requirement R1 requires each Planning Coordinator in the ReliabilityFirst footprint to perform and document an annual resource adequacy analysis. The sub-requirements of Requirement R1 set forth the criteria to be used for the resource adequacy analysis.
- Requirement R2 requires each Planning Coordinator to annually document the projected load and resource capability for each area and transmission constrained sub-area identified in the analysis. The sub-requirements of Requirement R2 set forth the specific documentation requirements.
- Requirement R3 requires each Planning Coordinator to identify any gaps between the needed amount of planning reserves defined in Requirement R1, Part 1.1 and the projected planning reserves documented in Requirement R2.

submit your comment using the following link: [BAL-502-RF-03 FYR Comment Form](#)

Action

End Date

Comments

11/07/23

STANDARD: FAC-008	<u>Project 2021-08</u> Modifications to FAC-008
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PROJECT BACKGROUND:	Action	End Date
<p>The purpose of the proposed project is to produce Generator Owner Facility Ratings that accurately reflect the real power capability of the facility and are therefore useful for reliability-related activities (such as in contingency analysis, SOL determination, etc.).</p> <p>Additionally, provide clarification around the phrase “jointly owned” and the level of individual component ratings that are required to be shared with the other entity. This will ensure clear expectations are set such that there are no gaps or conflicts between interconnecting entities.</p> <p>Comment Form</p>	<p>Join Ballot Pools</p> <p>Ballots & Comments</p>	<p>10/04/23</p> <p>10/19/23</p>

- Changes to R6

R6. Each Transmission Owner and Generator Owner shall ~~have~~ develop Facility Ratings for its solely and jointly owned BES Facilities accurately identifying the rating of the most Limiting Element(s) in accordance ~~that are consistent~~ with ~~the~~ its associated Facility Ratings methodology or documentation for determining its Facility Ratings. *[Violation Risk Factor: Medium] [Time Horizon: Operations Planning]*

6.1. For a BES Facility where no entity owns the Facility in its entirety, all applicable entities that own the Facility shall coordinate development of a common Facility Rating using one or a combination of the following:

- Entities shall use the most limiting Equipment Rating of their solely owned Elements and the most limiting Equipment Rating(s) from the other Element owner(s).
- For Element(s) with multiple owners, the owners shall designate one owner to solely develop the most limiting Equipment Rating(s) for the Element(s).

M6. Each Transmission Owner and Generator Owner shall have evidence to show that its Facility Ratings accurately identify the rating of the most Limiting Element(s) in accordance ~~are consistent~~ with the documentation for determining its Facility Ratings as specified in Requirement R1 or consistent with its Facility Ratings methodology as specified in Requirements R2 and R3 ~~(Requirement R6)~~. Where no entity owns a Facility in its entirety, each entity shall have evidence to show that its Facility Ratings were developed in accordance with Requirement R6 Part 6.1.

Slide information taken from October 2, 2023 NERC's Industry Webinar:

<https://www.nerc.com/pa/Stand/Project202108ModificationstoFAC008DL/2021-08%20Industry%20Webinar%2010.02.2023.pdf>

Rationale for Requirement R6

The addition of the subparts in R6 addresses item 1 of the SAR Project Scope regarding any uncertainty in the responsibilities and the development of a single Facility Rating for jointly owned Facilities. The SDT recognizes there are 2 different scenarios of “jointly owned” that can occur within the confines of FAC-008 Facilities and has addressed these instances within the subpart.

- Scenario 1: Split ownership- Entities have shared ownership of a Facility where ownership of specific Elements that make up the Facility are solely owned by one entity and ownership changes over a line of demarcation.
- Scenario 2: Joint ownership- Entities share ownership of individual Element(s)

The inclusion of the wording “*accurately identifying the rating of the most Limiting Element(s)*” in part addresses item number 3 of the SAR Project Scope to ensure Requirement 6 is viewed as a risk-based Requirement. The addition focuses R6 on the risk posed to the Bulk Electric System (BES) when there is a discrepancy found in the most Limiting Element of a Facility Rating.

Many Entities expressed concerns with the term “*consistent*” within R6. The SDT maintains the addition of “*accurately identifying the rating of the most Limiting Element(s)*” in addition to the inclusion of the processes defined in R9 addresses the ambiguity of the term “*consistent*” in R6.

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Additional Requirement R9

- R9.** Each Transmission Owner and Generator Owner shall have a process to correct each rating discrepancy found in either Element or Equipment Rating(s) used to develop Facility Ratings, that includes developing timelines to: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]
 - 9.1.** Complete the corrections
 - 9.2.** Determine if an extent of condition review is necessary
 - 9.3.** Perform extent of condition review when necessary
- M9.** Each Transmission Owner and Generator Owner shall have a documented process to correct rating discrepancies found in either Element or Equipment Rating(s) that includes the items identified in Requirement R9, Parts 9.1, 9.2, and 9.3

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Rationale for Requirement R9

While the changes in R6 focus on the risk to the BES when there is a discrepancy in determining the overall Facility Rating, it does not focus on maintaining data integrity outside of the most Limiting Element. The addition of R9 ensures entities correct discrepancies found in Equipment Ratings in accordance with their own documented process. The extent of condition review ensures potential systemic errors are discovered when a discrepancy is found. This allows entities the freedom to make necessary corrections to Equipment Ratings that do not affect the most Limiting Element within their own process without the administrative overhead of self-reporting.

This requirement supports the culture of continuous improvement of Facility Ratings and encourages internal controls and active change management.

Slide information taken from October 2, 2023 NERC's Industry Webinar:

<https://www.nerc.com/pa/Stand/Project202108ModificationstoFAC008DL/2021-08%20Industry%20Webinar%2010.02.2023.pdf>

NERC Seeks Industry Comment on Rules of Procedure Changes Related to Registration of Inverter-Based Resources

- **Appendix 2 Definitions:** [Clean](#) | [Redline](#)
- **Appendix 5A Organization Registration and Certification Manual:** [Clean](#) | [Redline](#)
- **Appendix 5B Compliance Registry Criteria:** [Clean](#) | [Redline](#)

Comments due October 30, 2023 and submitted electronically to ROPcomments@nerc.net

Request for Comments:

- Draft Reliability Guideline: Fuel Assurance and Fuel-Related Reliability Risk Analysis for the Bulk Power System
- Comments due November 5, 2023
 - [Draft Reliability Guideline: Fuel Assurance and Fuel-Related Reliability Risk Analysis for the Bulk Power System – Clean](#)
 - [Draft Reliability Guideline: Fuel Assurance and Fuel-Related Reliability Risk Analysis for the Bulk Power System – Redline](#)
 - [Draft Reliability Guideline: Fuel Assurance and Fuel-Related Reliability Risk Analysis for the Bulk Power System – Comment Matrix](#)

- NATF-NERC-EPRI 2023 Planning and Modeling Virtual [Seminar](#)
 - November 1, 2023 1:00 p.m. – 5:00 p.m.
 - November 2, 2023 1:00 p.m. – 5:00 p.m.
- *ReliabilityFirst* (RF)
 - Technical Talks with RF
 - October 23, 2023 2:00 p.m. – 3:30 p.m.
 - November 13, 2023 2:00 p.m. – 3:30 p.m.
- SERC
 - Winter Storm Elliott Recommendations and Lessons Learned
 - November 2, 2023 2:00 p.m. – 3:30 p.m.

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