

PJM Compliance Bulletin

CB017 NERC Standard PRC-005

General

PJM issues this compliance bulletin in order to provide guidance for PJM Transmission Owners, Generator Owners, and Distribution Providers that are required to document and implement programs for the maintenance of all Protection Systems affecting the reliability of the Bulk Electric System (BES).

Discussion

The applicable entities of PRC-005 have a requirement to document and implement programs for the maintenance of all Protection Systems affecting the reliability of the Bulk Electric System (BES). Maintenance programs for automatic reclosing schemes are also required for protection systems at generating plant substations where the total installed gross generating plant capacity is greater than the gross capacity of the largest BES generating unit within the Balancing Authority Area (see applicable facilities, section 4.2.7.1). PJM, in its role as the Balancing Authority for the RTO, determines which unit ~~has the largest total installed gross generating plant capacity~~ is the largest single BES generating unit within the Balancing Authority Area.

Result

The winter gross capacity of the largest single BES generating unit within the Balancing Authority Area is 1,35875 MWs. Entities should use this value when determining their applicability under section 4.2.7.1 of the facilities section of PRC-005.

While this information is essentially static, it does have the potential to change, and may not reflect the largest single contingency in the Balancing Authority area. In the event that the winter gross capacity of the largest BES generating unit within the Balancing Authority Area does change, this Compliance Bulletin will be revised and notification will be given to the SOS-T/G.

Development History

<u>Revision: 10</u>	<u>08/16/2023</u>
<u>SME:</u>	<u>Vince Stefanowicz, Sr. Lead Engineer, Generation</u>
<u>Author:</u>	<u>Gizella Mali, Sr. Analyst II, NERC Compliance</u>
<u>Reviewers:</u>	<u>Tom Foster, Sr. Manager, NERC Compliance</u> <u>Michael Zhang, Manager, Generation</u>
<u>Approver:</u>	<u>Michael Del Viscio, Executive Director, Law & Compliance</u>
<u>Reason:</u>	<u>Updated MWs values of the largest BES Gen unit within the BA area to reflect largest generating unit instead of largest single contingency value.</u>

Revision: 9	03/21/2023
SME:	Vince Stefanowicz, Sr. Lead Engineer, Generation
Author:	Gizella Mali, Sr. Analyst II, NERC Compliance
Reviewers:	Tom Foster, Sr. Manager, NERC Compliance Michael Zhang, Manager, Generation
Approver:	Michael DelViscio, Executive Director, Law & Compliance
Reason:	Updated MWs values of the largest BES Gen unit within the BA area. Removed standard version. Added SME and updated reviewers accordingly.

Revision: 8	Publication date: 06/09/2020
Author:	Thomas M. Moleski Senior Compliance Specialist NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation Donald Bielak, Manager, PJM Reliability Engineering

Approver:	Michael DeViscio Sr. Director, Compliance & Reliability Standards
Reason for Change:	Confirmed the winter gross capacity of the largest BES generating unit within the Balancing Authority Area.

Revision: 7	Publication date: 02/08/2019
Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation Donald Bielak, Manager, PJM Reliability Engineering
Approver:	Michael DeViscio, Sr. Director, Compliance & Reliability Standards
Reason for Change:	Confirmed the winter gross capacity of the largest BES generating unit within the Balancing Authority Area.

Revision: 6	Publication date: 02/01/2018
Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation Donald Bielak, Manager, PJM Reliability Engineering
Approver:	Robert Eckenrod, Chief Compliance Officer
Reason for Change:	Refreshed wording in the discussion to mimic the wording of the requirement. Confirmed the winter gross capacity of the largest BES generating unit within the Balancing Authority Area.

Revision: 5	Publication date: 06/12/2017
Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation Donald Bielack, Manager, PJM Reliability Engineering
Approver:	Robert Eckenrod, Chief Compliance Officer
Reason for Change:	Confirmed the winter gross capacity of the largest BES generating unit within the Balancing Authority Area, added language that will route this Compliance Bulletin to the SOS-G and the SOS-T in the event that the value of the largest unit in the BA should change.

Revision: 3	Publication date: 09/12/2016
Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation Phil D'Antonio, Manager, PJM Reliability Engineering
Approver:	Robert Eckenrod, Chief Compliance Officer
Reason for Change:	Confirmed the winter gross capacity of the largest BES generating unit within the Balancing Authority Area, clarified language referring to the applicable facilities section.

Revision: 2	Publication date: TBD, Effective upon approval of PRC-005-3 (i)
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Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation Mark Sims, Manager, PJM Transmission Planning
Approver:	Robert Eckenrod, Chief Compliance Officer
Reason for Change:	Confirmed unit information, added Mark Sims as reviewer (as the Planning Coordinator)

	Publication date: 02/23/2016
Revision: 1	Effective dates contained in the PRC-005-6 implementation Plan.
Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department
Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation
Approver:	Thomas Bowe, Executive Director, Reliability and Compliance
Reason for Change:	Updated section numbers to conform to the latest approved version of the Standard. Confirmed the winter gross capacity of the largest BES generating unit within the Balancing Authority Area

	Publication date: 09/22/2015
Revision: 0	Effective upon approval of PRC-005-3 (i)
Author:	Thomas M. Moleski, Senior Compliance Specialist, NERC and Regional Coordination Department

Reviewers:	Mark L. Holman, Manager, NERC and Regional Coordination Department David Schweizer, Manager, PJM Generation
Approver:	Thomas Bowe, Executive Director, Reliability and Compliance
Reason for Change:	This is a newly developed document.