

Summary of Proposed Reliability Standard: PRC-023-6

Details of Standard Development

Reliability Standards Authority: NERC

Standard(s)	PRC-023-6 – Transmission Relay Loadability
Purpose	The purpose of the NERC Reliability standard PRC-023-6 is to provide a reliability-related benefit by modifying or eliminating PRC-023-4 Requirement R2 to more effectively apply Power Swing Blocking (PSB) when appropriate to improve Bulk Electrical System (BES) reliability. Proper application of PSB can also be helpful in complying with PRC-026. It will modify or remove an exclusion (Attachment A – 2.3) that may no longer be needed.
Change Type:	FERC Directive
Affected Functional Entities:	<ul style="list-style-type: none">• Generator Owner (GO)• Distribution provider (DP)• Transmission Owner (TO)• Planning coordinator (PC)
Ballot Results:	98.27% approval with 87.96% quorum
Ontario Participant Support:	<ul style="list-style-type: none">• There were 274 votes cast by NERC registered entities.• 1 OEB rate-regulated entity voted (1/251). OEB-rate regulated GO/GOP voted Affirmative.
Impact Within Ontario	Not assessed

Standard Development Milestones

Date	Action
February 16, 2023	Adopted by NERC Board of Trustees

March 2, 2022	NERC Petition for Approval
March 9, 2023	IESO Posting Date
July 9, 2023	End of OEB Preliminary Review Period
TBD	FERC Order Issued
TBD	US Mandatory Enforcement Date
TBD	Ontario Enforcement Date (Milestones in Reliability Standard Development and Lifecycle)

Summary

Proposed Reliability Standard PRC-023-6 would advance the reliability of the BPS by retiring an unnecessary and redundant requirement that has contributed to confusion regarding the proper application of the PRC-023 standard to out-of-step blocking (or power swing blocking) relays. In particular, proposed Reliability Standard PRC-023-6 would retire Requirement R2. Power swing blocking relays provide increased reliability by preventing relays from tripping for stable power swings. Retiring this requirement would allow entities to apply power swing blocking schemes more effectively when appropriate to improve BPS reliability.

Proposed Reliability Standard PRC-023-6 also revises Attachment A to the standard to remove an exclusion that is no longer needed and which has contributed to the confusion regarding Requirement R2. The revisions and supporting rationale are discussed in further detail below. In addition to these revisions, proposed Reliability Standard PRC-023-6 reflects additional minor changes to other elements of the standard to conform to the current NERC Reliability Standard template.

Other Salient Information

Stakeholder Consultation

NERC Reliability Standards Development Procedure

- NERC develops Reliability Standards in accordance with Section 300 (Reliability Standards Development) of its Rules of Procedure and the NERC Standard Processes Manual;
- NERC's rules provide for reasonable notice and opportunity for public comment, due process, openness, and a balance of interests in developing Reliability Standards;

- The development process is open to any person or entity with a legitimate interest in the reliability of the Bulk Power System. NERC considers the comments of all stakeholders;
- Stakeholders must approve, and the NERC Board of Trustees must adopt, a new or revised Reliability Standard before NERC submits the Reliability Standard to FERC for approval;
- NERC provided public notices for comments and balloting as follows:
 - Standard Authorization Request: June 29 – July 28, 2021
 - Draft 1 of Proposed Changes: October 03, 2022 – November 17, 2022
 - Draft 2 of Proposed Changes: December 05 – January 18, 2022
 - Final Draft of Proposed Changes: October 1 – November 19, 2022

IESO Reliability Standards Standing Committee

- The purpose of the Reliability Standards Standing Committee (RSSC) is to assist market participants to develop a more comprehensive understanding of their reliability obligations by:
 - Notifying participants of reliability-related information on new and developing reliability standards;
 - Providing a forum to discuss and develop consensus comments on new and developing reliability standards; and
 - Engaging participants in the standard development process of NERC and NPCC.
- The majority of stakeholder engagement takes place by email communications and is open to any stakeholder wishing to join
- The IESO presented the proposed changes at the following RSSC meetings:
 - August 25, 2022
 - December 12, 2022