

Summary of Proposed Reliability Standards: CIP-012-2

proposed Reliability Standard CIP-012-2 (Cyber Security– Communications between Control Centers.)

Details of Standard(s) Development

Reliability Standards Authority: NERC

Standard(s)	<ul style="list-style-type: none">CIP-012-2 – Cyber Security– Communications between Control Centers
Purpose	To protect the confidentiality, availability and integrity of Real-time Assessment and Real-time monitoring data transmitted between Control Centers.
Change Type:	FERC DIRECTIVE
Affected Functional Entities:	<ul style="list-style-type: none">Balancing Authority (BA)Generator Operator (GOP)Generator Owner (GO)Reliability Coordinator (RC)Transmission Operator (TOP)Transmission Owner (TO)
Ballot Results:	<ul style="list-style-type: none">CIP-012-2 88.62% Quorum / 88.36% Approval
Ontario Participant Support:	<ul style="list-style-type: none">There were 257 votes cast by NERC registered entities.3 OEB rate-regulated entities voted (3/257). One was Negative and the other two were Affirmative.
Impact Within Ontario	Not Assessed.

Standard Development Milestones

Date	Action
December 12, 2023	<ul style="list-style-type: none">Adopted by NERC Board of Trustees
January 31, 2024	<ul style="list-style-type: none">NERC Petition for Approval
March 21, 2024	<ul style="list-style-type: none">IESO Posting Date
July 19, 2024	<ul style="list-style-type: none">End of OEB Review Period
TBD	<ul style="list-style-type: none">FERC Order Issued
TBD	<ul style="list-style-type: none">US Mandatory Enforcement Date
TBD	<ul style="list-style-type: none">Ontario Enforcement Date (Milestones in Reliability Standard Development and Lifecycle)

Summary

The Reliability Standard CIP-012-2 expands the protections required by Reliability Standard CIP-012-1 by requiring Responsible Entities to mitigate the risk posed by loss of availability of communication links and Real-time Assessment and Real-time monitoring data transmitted between Control Centers. The Reliability Standard CIP-012-2 modifies CIP-012-1 by adding two new Parts to Requirement R1 to address availability: Part 1.2, which requires protections for the availability of data in transit; and Part 1.3, which requires protections to initiate recovery of lost (i.e., unavailable) communication links.

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:
 - Draft 1 of Proposed Changes: May 31, 2021 –June 9, 2021
 - Draft 2 of Proposed Changes: January 14, 2022 – January 24, 2022
 - Draft 3 of Proposed Changes: November 7, 2022 – November 29, 2022
 - Draft 4 of Proposed Changes: October 24, 2023 – November 2, 2023
 - Final Draft of Proposed Changes: November 28 – December 7, 2023

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:
 - June 10, 2021
 - October 21, 2021
 - April 14, 2022
 - August 25, 2022
 - December 12, 2022
 - March 8, 2023
 - June 15, 2023
 - September 14, 2023