
Project QC-2024-06

Modification to the specific provisions applicable to Requirement R5.1.1 of the FAC-011-4 Reliability Standard

1. OVERVIEW

1.1. Applicability

The FAC-011-4 Reliability Standard applies to the Reliability Coordinator (hereinafter, the “RC”) functional entity. More precisely, the specific provision for Requirement R5.1.1 in the appendix of the FAC-011-4 Reliability Standard concerns Main Transmission System (hereinafter, “RTP”) Facilities and generation Facilities for industrial use (hereinafter, “PVI”).

1.2. Purpose of the FAC-011-4 standard

This section presents the purpose of the standard covered by this request. The title and purpose of the FAC-011-4 standard is presented below.

- **FAC-011-4 – System Operating Limits Methodology for the Operations Horizon:** To ensure that System Operating Limits (hereinafter, “SOLs”) used in the reliable operation of the Bulk Electric System (hereinafter, “BES”) are determined based on an established methodology or methodologies.

1.3. Regulatory context

The FAC-011-4 Reliability Standard was proposed in the R-4229-2023 filing and was adopted by the Régie de l’énergie (hereinafter, the “Régie”) in D-2024-060¹. The FAC-011-4 standard and its appendix come into effect in Québec on October 1, 2026.

In its decision D-2024-089², the Régie requests that the Québec Reliability Coordinator (hereinafter, the “Coordinator”) file before November 1, 2024 the FAC-011-4 standard with new wording for the specific provision relating to Requirement R5.1.1 in the Québec appendix of the standard.

1.4. Specific provisions for Québec

In filing R-4229-2023, the Coordinator proposed that the Québec-specific provisions in FAC-011-3 be carried over to FAC-011-4 and added a new specific provision regarding Requirement R4.7.

In its project 2015-09 – Establish and Communicate System Operating Limits, the North American Electric Reliability Corporation (hereinafter, “NERC”) consolidated FAC-011-3 Requirements R2.2.1 to E2.2.3 in FAC-011-4³, in Requirement R5.1.1.

In its compliance filing in the docket R-4229-2023, the Coordinator considered it may be appropriate to modify the wording of the specific provision of Requirement R5.1.1 of the FAC-011-4 standard to better

¹ Régie decision D-2024-060, retrieved on September 4, 2024 at : https://www.regie-energie.qc.ca/fr/participants/dossiers/R-4229-2023/doc/R-4229-2023-A-0020-Dec-Dec-2024_06_20.pdf (in French only)

² Régie decision D-2024-089, retrieved on September 4, 2024 at : https://www.regie-energie.qc.ca/fr/participants/dossiers/R-4229-2023/doc/R-4229-2023-A-0023-Dec-Dec-2024_08_22.pdf (in French only)

³ NERC project 2015-09 FAC-011-4 mapping document, retrieved on September 4, 2024 at : https://www.nerc.com/pa/Stand/Project%20201509%20Establish%20and%20Communicate%20System%20Op/2015-09_FAC-011-4%20-%20Mapping%20Document%20-%20redlines.pdf

reflect the language of the requirement in wording used in FAC-011-4 rather than the wording used in FAC-011-3.

Therefore, in order to carry over the specific provision exempting the three phase Fault Contingency, as well as reflecting the FAC-011-3 consolidated requirements R2.2.1 to R2.2.3 in Requirement R5.1.1 of FAC-011-4 which now identifies Contingencies with and without Faults as well as three phase Faults, the Coordinator proposes the following specific provision to Requirement R5.1.1:

- The application of the three phase Fault in Requirement R5.1.1. does not apply to RTP Facilities operating at less than 230 kV that were not substantially modified after January 1, 2019. This specific provision will be in force for a period of fifteen (15) years starting June 16, 2021.
- With respect to owners of generation Facilities for industrial use (PVI), the application of the three phase Fault in Requirement R5.1.1. does not apply to RTP Facilities operating at 230 kV and more that were not substantially modified after January 1, 2019. This specific provision will be in force for a period of eight (8) years starting June 16, 2021.

1.5. Proposed effective date

The Coordinator proposes that the appendix of the FAC-011-4 becomes effective when the FAC-011-4 standard comes into effect on October 1, 2026.

1.6. Standards to retire

The Coordinator proposes that the appendix of the FAC-011-4 standard adopted in R-2024-089 be replaced by the proposed appendix.

1.7. Modifications to the Glossary

None.

2. ASSESSMENT OF RELEVANCE

The assessment of relevance is not applicable since the modification is requested by the Régie. Furthermore, the Coordinator is of the opinion that the modifications to the wording of Requirement R5.1.1. is relevant so that it better reflects the wording in Requirement R5.1.1.

3. PRELIMINARY IMPACT ASSESSMENT

This section provides the Reliability Coordinator's preliminary assessment of the impact of the modification to the specific provision of Requirement R.5.1.1 on all Québec entities.

The Coordinator is of opinion that the wording proposed in the specific provision in Requirement R5.1.1. of standard FAC-011-4 is without impact since the modification is strictly associated with the form of the wording and has, in no case, the intention of modifying the applicability of the requirement R5.1.1 of the standard.

4. FINAL IMPACT ASSESSMENT

This section will be completed upon receipt of the impact assessment forms and at the conclusion of the consultation process prior to filing of the standards with the Régie