

**Preliminary assessment of the relevance and impact of the standard:****PRC-002-NPCC-01 – Disturbance Monitoring****A. Relevance of the filed standard**

The purpose of this standard is to ensure that adequate disturbance data is available to facilitate Bulk Electric System event analyses.

To achieve these objectives, the requirements of the standard shall address the following aspects:

- System operating parameters that are to be measured and recorded;
- How to determine and select a preferred location of the disturbance monitoring equipment;
- Installation and equipment minimum technical requirements;
- Analysis tools;
- Criteria and requirements for reporting disturbance data for facility owners.

In order to meet the requirements of the Regional Reliability Organization, this standard refers to the standard PRC-018-1.

**B. Applicability**

The standard applies to:

- The reliability coordinator;
- Generator owners with generating units above 50 MVA nameplate rating or series of generating units utilizing a control scheme such that the loss of 1 unit results in a loss of greater than 50 MVA nameplate capacity and at generating plants above 300 MVA nameplate capacity;
- Transmission owners of substations and at locations where circuit breaker operation affects continuity of service to radial loads greater than 300 MW, or the operation of which drops 50 MVA nameplate rating or greater of generation, or the operation of which creates a generation/load island.

**C. Relevance for special provisions for Quebec (Appendix QC-PRC-002-NPCC-01)**

This standard applies to the main transmission system (RTP). The RTP also represents the scope of the standard PRC-018-1 – Disturbance Monitoring Equipment Installation and Data Reporting, which ensures consistency between the two standards. In addition, the RTP is under the jurisdiction of the reliability coordinator in Quebec.

**D. Preliminary assessment of the impact of the adoption of the standard in Quebec**

The installation of disturbance monitoring equipment and transmission of disturbance data may require investments by the entities that meet the criteria of the applicability of this standard.

### Summary of impacts

This summary establishes in a condensed and preliminary manner, the impacts on materiel, human or financial resources of the proposed standard compared to the latest revision studied or adopted by the Régie de l'énergie. The impact may vary depending on the actual applicability of the standard with certain entities whose impact is lower on the reliability on the bulk electric system in Quebec.

#### PRC-002-NPCC-01

	Low	Moderate	Important
Implementation of the standard			●
Maintenance of the standard			●
Compliance Monitoring		●	

#### Legend :

<b>Low :</b>	Normal industry practice or standard involving minor adjustments to processes or practices in place.
<b>Moderate :</b>	Changes that require an allocation of certain material, human or financial resources to implement, maintain and monitor compliance of the proposed standard.
<b>Important :</b>	Changes that require significant provision and allocation of material, human or financial resources to implement, maintain and monitor compliance of the proposed standard.

A more accurate assessment will be developed from forms "Evaluation of the impacts of proposed standards" to be received from the registered entities during the comment period. This assessment will be submitted with the standard to the Régie de l'énergie.

### E. Supersedence of the standard

Upon coming into effect, the standard PRC-002-NPCC-01, the appendix QC-PRC-018-1 shall supersede the appendix QC-PRC-018-1 filed on September 24, 2012 in case R3699-2009.

**Appendix QC-PRC-018-1**  
**Provisions specific to the standard PRC-018-1 applicable in Québec**

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This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

**A. Introduction**

- 1. Title:** Disturbance Monitoring Equipment Installation and Data Reporting
- 2. Number:** PRC-018-1
- 3. Purpose:** No specific provision
- 4. Applicability:** No specific provision
- 5. Effective Date:**
  - 5.1.** Adoption of the standard by the Régie de l'énergie: Month xx 201x
  - 5.2.** Adoption of the appendix by the Régie de l'énergie: Month xx 201x
  - 5.3.** Effective date of the standard and its appendix in Québec: Month xx 201x
- 6. Scope:** As per the Regional Reliability Organization's installation requirements for the Disturbance Monitoring Equipments (DMEs) defined in standard PRC-002-NPCC-01.

**B. Requirements**

For all the requirements, ignore the references to the standard PRC-002.

**C. Measures**

No specific provision

**D. Compliance**

**1. Compliance Monitoring Process**

**1.1. Compliance Monitoring Responsibility**

The Régie de l'énergie is responsible, in Québec, for compliance monitoring with respect to the reliability standard and its appendix that it adopts.

**1.2. Compliance Monitoring Period and Reset Timeframe**

No specific provision

**1.3. Data Retention**

No specific provision

**1.4. Additional Compliance Information**

No specific provision

**2. Levels of Non-Compliance**

No specific provision

**E. Regional Differences**

No specific provision

**Standard PRC-018-1 — Disturbance Monitoring Equipment Installation and Data Reporting**

**Appendix QC-PRC-018-1**  
**Provisions specific to the standard PRC-018-1 applicable in Québec**

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**F. Violation Risk Factor**

No specific provision

**Version History of the Appendix**

<b>Version</b>	<b>Date</b>	<b>Action</b>	<b>Change Tracking</b>
0			New