

**Révisions des annexes Québec en suivi de la décision
D-2020-128**

(version anglais)

Standard MOD-026-1 — Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions

Appendix QC-MOD-026-1 Provisions specific to the standard MOD-026-1 applicable in Québec

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:** Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions
2. **Number:** MOD-026-1
3. **Purpose:** No specific provision
4. **Applicability:**
 - 4.1. **Functional entities**
No specific provision
 - 4.2. **Facilities**
For the purpose of the requirements contained herein, Facilities that form part of the Main Transmission System (RTP) will be collectively referred as an “applicable unit” that meet the following:
 - 4.2.1 No specific provision
 - 4.2.1.1 No specific provision
 - 4.2.1.2 Individual generating plant consisting of multiple generating units that is part of the Main Transmission System (RTP) with total generation greater than 100 MVA (gross aggregate nameplate rating).
 - 4.2.2 No specific provision
 - 4.2.3 No specific provision
 - 4.2.4 A technically justified¹ Main Transmission System (RTP) Facility that is not otherwise included in the above Applicability sections 4.2.1, 4.2.2, or 4.2.3 and that is requested by the Transmission Planner.
5. **Effective Date:**
 - 5.1. Adoption of the standard by the Régie de l'énergie: September 27, 2017
 - 5.2. Adoption of the appendix by the Régie de l'énergie: September 28, 2020
 - 5.3. Effective date of the standard and its appendix in Québec: September 28, 2020

¹ Technical justification is achieved by the Transmission Planner demonstrating that the simulated unit or plant response does not match the measured unit or plant response.

Standard MOD-026-1 — Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions

Appendix QC-MOD-026-1 Provisions specific to the standard MOD-026-1 applicable in Québec

Applicable enforcement dates for applicable facilities

Requirements	Applicability	Date of enforcement in Québec
R1 R3 to R6	100% of applicable facilities	January 1 st , 2018
R2	30% of applicable facilities	January 1 st , 2021
	50% of applicable facilities	October 1 st , 2022
	100% of applicable facilities	October 1 st , 2025

B. Requirements

No specific provision

C. Measures

No specific provision

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

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. Evidence Retention

No specific provision

1.3. Compliance Monitoring and Assessment Processes

No specific provision

1.4. Additional Compliance Information

No specific provision

2. Violation Severity Levels

No specific provision

E. Regional Variances

No specific provision

F. Associated Documents

No specific provision

Standard MOD-026-1 — Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions

Appendix QC-MOD-026-1

Provisions specific to the standard MOD-026-1 applicable in Québec

G. References

No specific provision

MOD-026-1 – Attachment 1

No specific provision

Revision History

Version	Date	Action	Change Tracking
0	September 27, 2017	New appendix	New
1	September 28, 2020	Delay from October 1, 2020 to January 1, 2021 of the implementation date applicable to 30% of applicable facilities subject to requirement R2 as per decision D-2020-128	Revision

Standard MOD-027-1 — Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions

Appendix QC-MOD-027-1

Provisions specific to the standard MOD-027-1 applicable in Québec

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:** Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions
2. **Number:** MOD-027-1
3. **Purpose:** No specific provision
4. **Applicability:**
 - 4.1. **Functional entities**
No specific provision
 - 4.2. **Facilities**
For the purpose of the requirements contained herein, Facilities that form part of the Main Transmission System (RTP) will be collectively referred as an “applicable unit” that meet the following:
 - 4.2.1 No specific provision
 - 4.2.1.1 No specific provision
 - 4.2.1.2 Individual generating plant consisting of multiple generating units that is part of the Main Transmission System (RTP) with total generation greater than 100 MVA (gross aggregate nameplate rating).
 - 4.2.2 No specific provision
 - 4.2.3 No specific provision
 - 4.2.4 No specific provision
5. **Effective Date:**
 - 5.1. Adoption of the standard by the Régie de l'énergie: September 27, 2017
 - 5.2. Adoption of the appendix by the Régie de l'énergie: September 28, 2020
 - 5.3. Effective date of the standard and its appendix in Québec: September 28, 2020

Standard MOD-027-1 — Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions

**Appendix QC-MOD-027-1
Provisions specific to the standard MOD-027-1 applicable in Québec**

Applicable enforcement dates for applicable facilities

Requirements	Applicability	Date of enforcement in Québec
R1 R3 to R5	100% of applicable facilities	January 1 st , 2018
R2	30% of applicable facilities	April 1 st , 2021
	50% of applicable facilities	October 1 st , 2022
	100% of applicable facilities	October 1 st , 2025

B. Requirements

No specific provision

C. Measures

No specific provision

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

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. Evidence Retention

No specific provision

1.3. Compliance Monitoring and Assessment Processes

No specific provision

1.4. Additional Compliance Information

No specific provision

2. Violation Severity Levels

No specific provision

E. Regional Variances

No specific provision

F. Associated Documents

No specific provision

Standard MOD-027-1 — Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions

Appendix QC-MOD-027-1

Provisions specific to the standard MOD-027-1 applicable in Québec

G. References

No specific provision

MOD-027-1 – Attachment 1

No specific provision

Revision History

Version	Date	Action	Change Tracking
0	September 27, 2017	New appendix	New
1	September 28, 2020	Delay from October 1, 2020 to April 1, 2021 of the implementation date applicable to 30% of applicable facilities subject to requirement R2 as per decision D-2020-128	Revision

Standard PRC-002-2 — Disturbance Monitoring and Reporting Requirements

Appendix QC-PRC-002-2

Provisions specific to the standard PRC-002-2 applicable in Québec

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 and Reporting Requirements

2. **Number:** PRC-002-2

3. **Purpose:** No specific provision

4. **Applicability:**

Functional Entities:

No specific provision

Facilities:

- This standard only applies to the facilities of the Main Transmission System (RTP)
- Any reference to the term "BES" shall be replaced by the term "RTP".

5. **Effective Date:**

5.1. Adoption of the standard by the Régie de l'énergie: September 27, 2017

5.2. Adoption of the appendix by the Régie de l'énergie: September 28, 2020

5.3. Effective date of the standard and its appendix in Québec: September 28, 2020

Applicable enforcement dates for applicable facilities

Requirements	Applicability	Date of enforcement in Québec
R1 and R5	100% of applicable facilities	January 1 st , 2018
R2 to R4 R6 to R11	50% of applicable facilities	January 1 st , 2021
	100% of applicable facilities	October 1 st , 2022
R12	100% of applicable facilities	April 1 st , 2018

B. Requirements and Measures

No specific provision

C. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

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. Evidence Retention Compliance

No specific provision

1.3. Compliance Monitoring and Assessment Processes:

No specific provision

1.4. Additional Compliance Information

No specific provision

Table of Compliance Elements

No specific provision

D. Regional Variances

No specific provision

E. Interpretations

No specific provision

F. Associated Documents

No specific provision

G. References

No specific provision

Attachment 1

No specific provision

Attachment 2

No specific provision

High Level Requirement Overview

No specific provision

Rationale

No specific provision

Guidelines and Technical Basis Section

No specific provision

Revision History

Revision	Date	Action	Change Tracking
0	September 27, 2017	New Appendix	New
1	September 28, 2020	Delay from October 1, 2020 to January 1, 2021 of the implementation date applicable to 50% of applicable facilities subject to requirements R2 to R4 and R6 to R11 as per decision D-2020-128	Revision

Standard PRC-019-1 — Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection

Appendix QC-PRC-019-1 Provisions specific to the standard PRC-019-1 applicable in Québec

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:** Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection
2. **Number:** PRC-019-1
3. **Purpose:** No specific provision
4. **Applicability:**
 - 4.1. **Functional Entities**
No specific provision
 - 4.2. **Facilities**
 - 4.2.1 Generating unit that is part of the Main Transmission System (RTP).
 - 4.2.2 Synchronous condenser that is part of the Main Transmission System (RTP).
 - 4.2.3 Generating plant/Facility that is part of the Main Transmission System (RTP).
 - 4.2.4 No specific provision
5. **Effective Date:**
 - 5.1. Adoption of the standard by the Régie de l'énergie: September 30, 2016
 - 5.2. Adoption of the appendix by the Régie de l'énergie: September 28, 2020
 - 5.3. Effective date of the standard and its appendix in Québec:

Effective date in Québec	Applicable facilities connected to the RTP (all requirements) (%)	Applicable facilities not connected to the RTP (all requirements) (%)
October 1, 2017	At least 40% of applicable facilities	At least 15% of applicable facilities
October 1, 2018	At least 60% of applicable facilities	At least 50% of applicable facilities
October 1, 2019	At least 80% of applicable facilities	At least 75% of applicable facilities
January 1, 2021	100% of applicable facilities	100% of applicable facilities

B. Requirements

No specific provision

C. Measures

No specific provision

Standard PRC-019-1 — Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection

**Appendix QC-PRC-019-1
Provisions specific to the standard PRC-019-1 applicable in Québec**

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

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. Evidence Retention

No specific provision

1.3. Compliance Monitoring and Enforcement Processes:

No specific provision

1.4. Additional Compliance Information

No specific provision

2. Violation Severity Levels

No specific provision

E. Regional Differences

No specific provision

F. Associated Documents

No specific provision

G. Reference

No specific provisions

Section G Attachment 1

No specific provision

Section G Attachment 2

No specific provision

Section G Attachment 3

No specific provision

Revision History

Revision	Adoption Date	Action	Change Tracking
0	September 30, 2016	New appendix	New
1	September 28, 2020	Delay from October 1, 2020 to January 1, 2021 of the implementation date applicable to 100% of applicable facilities subject to all requirements as per decision D-2020-128	Revision