

A. Introduction

1. **Title:** **Planned Outage Coordination**
2. **Number:** TOP-003-1
3. **Purpose:** Scheduled generator and transmission outages that may affect the reliability of interconnected operations must be planned and coordinated among Balancing Authorities, Transmission Operators, and Reliability Coordinators.
4. **Applicability**
 - 4.1. Generator Operators.
 - 4.2. Transmission Operators.
 - 4.3. Balancing Authorities.
 - 4.4. Reliability Coordinators.

5. **Proposed Effective Date:**

In those jurisdictions where no regulatory approval is required, the standard shall become effective on the latter of either April 1, 2009 or the first day of the first calendar quarter, three months after BOT adoption.

In those jurisdictions where regulatory approval is required, the standard shall become effective on the latter of either April 1, 2009 or the first day of the first calendar quarter, three months after applicable regulatory approval.

B. Requirements

- R1. Generator Operators and Transmission Operators shall provide planned outage information.
 - R1.1. Each Generator Operator shall provide outage information daily to its Transmission Operator for scheduled generator outages planned for the next day (any foreseen outage of a generator greater than 50 MW). The Transmission Operator shall establish the outage reporting requirements.
 - R1.2. Each Transmission Operator shall provide outage information daily to affected Balancing Authorities and Transmission Operators for scheduled generator and bulk transmission outages planned for the next day (any foreseen outage of a transmission line or transformer greater than 100 kV or generator greater than 50 MW) that may collectively cause or contribute to an SOL or IROL violation or a regional operating area limitation.
 - R1.3. Such information shall be available by 1200 Central Standard Time for the Eastern Interconnection and 1200 Pacific Standard Time for the Western Interconnection.
- R2. Each Transmission Operator, Balancing Authority, and Generator Operator shall plan and coordinate scheduled outages of system voltage regulating equipment, such as automatic voltage regulators on generators, supplementary excitation control, synchronous condensers, shunt and series capacitors, reactors, etc., among affected Balancing Authorities and Transmission Operators as required.
- R3. Each Transmission Operator, Balancing Authority, and Generator Operator shall plan and coordinate scheduled outages of telemetering and control equipment and associated communication channels between the affected areas.
- R4. Each Reliability Coordinator shall resolve any scheduling of potential reliability conflicts.

C. Measures

- M1.** Evidence that the Generator Operator, Transmission Operator, and Balancing Authority reported and coordinated scheduled outage information as indicated in the requirements above.

D. Compliance

1. Compliance Monitoring Process

Each Regional Reliability Organization shall conduct a review every three years to ensure that each responsible entity has a process in place to provide planned generator and/or bulk transmission outage information to their Reliability Coordinator, and with neighboring Transmission Operators and Balancing Authorities.

Investigation: At the discretion of the Regional Reliability Organization or NERC, an investigation may be initiated to review the planned outage process of a monitored entity due to a complaint of non-compliance by another entity. Notification of an investigation must be made by the Regional Reliability Organization to the entity being investigated as soon as possible, but no later than 60 days after the event. The form and manner of the investigation will be set by NERC and/or the Regional Reliability Organization.

1.1. Compliance Monitoring Responsibility

A Reliability Coordinator makes a request for an outage to “not be taken” because of a reliability impact on the grid and the outage is still taken. The Reliability Coordinator must provide all its documentation within three business days to the Regional Reliability Organization. Each Regional Reliability Organization shall report compliance and violations to NERC via the NERC Compliance Reporting process.

1.2. Compliance Monitoring Period and Reset Timeframe

One calendar year without a violation from the time of the violation.

1.3. Data Retention

One calendar year.

1.4. Additional Compliance Information

Not specified.

2. Violation Severity Levels:

(TBD)

E. Regional Variances

None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
0	August 8, 2005	Removed “Proposed” from Effective Date	Errata
1		Modified R1.2 Modified M1	Revised

Standard-TOP-003-1 — Planned Outage Coordination

		Replaced Levels of Non-compliance with the Feb 28, BOT approved Violation Severity Levels (VSLs)	
1	October 17, 2008	Adopted by NERC Board of Trustees	
1	March 17, 2011	Order issued by FERC approving TOP-003-1 (approval effective 5/23/11)	

Standard TOP-003-1 — Planned Outage Coordination

Appendix QC-TOP-003-1 Provisions specific to the standard TOP-003-1 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:** **Planned Outage Coordination**

2. **Number:** TOP-003-1

3. **Purpose:** No specific provision

4. **Applicability:**

Functions

No specific provision

Facilities

This standard only applies to the facilities of the Main Transmission System (RTP).

5. **Effective Date:**

5.1. Adoption of the standard by the Régie de l'énergie: May 4, 2015

5.2. Adoption of the appendix by the Régie de l'énergie: May 4, 2015

5.3. Effective date of the standard and its appendix in Québec: January 1, 2016

B. Requirements

Specific provisions applicable to requirements R1.1 and R1.2:

- The Generator Operator shall also provide the information required under requirements R1.1 and R1.2 for any generator of a generation facility with a capability greater than 50 MVA.
- Generators of wind farms are excluded.

Specific provisions regarding generation facilities for industrial use applicable to requirements R1.1 and R2:

The Generator Operator whose facilities are mainly used to supply industrial loads is not required to provide the information required under requirements R1.1 and R2. However, it shall coordinate any generation variation that has an impact on the flow at the connection points of the system that facilities are mainly used to supply industrial loads with the Transmission Operator.

Specific provision applicable to requirement R1.3:

The information shall be available by 1200 Central Standard Time for the Quebec Interconnection.

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

Standard TOP-003-1 — Planned Outage Coordination

**Appendix QC-TOP-003-1
Provisions specific to the standard TOP-003-1 applicable in Québec**

2. Violation Severity Levels

Requirement	Lower	Moderate	High	Severe
R1	The responsible entity failed to provide the information by 1200 Central Standard Time for the Eastern Interconnection and the Quebec Interconnection, and 1200 Pacific Standard Time for the Western Interconnection.	N/A	N/A	<p>The Generator Operator failed to provide outage information, in accordance with its Transmission Operators established outage reporting requirements, to its Transmission Operator for scheduled generator outages planned for the next day (any foreseen outage of a generator greater than 5 MW).</p> <p>OR</p> <p>The Transmission Operator failed to provide outage information to affected Balancing Authorities and Transmission Operators for scheduled generator and bulk transmission outages planned for the next day (any foreseen outage of a transmission line or transformer greater than 100 kV or generator greater than 5 MW) that may collectively cause or contribute to an SOL or IROL violation or a regional operating area limitation.</p>
R1.1	N/A	N/A	N/A	N/A
R1.2	N/A	N/A	N/A	N/A
R1.3	N/A	N/A	N/A	N/A

Standard TOP-003-1 — Planned Outage Coordination

**Appendix QC-TOP-003-1
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Requirement	Lower	Moderate	High	Severe
R2	N/A	N/A	N/A	The responsible entity failed to plan or coordinate scheduled outages of system voltage regulating equipment, such as automatic voltage regulators on generators, supplementary excitation control, synchronous condensers, shunt and series capacitors, reactors, etc., among affected Balancing Authorities and Transmission Operators when required.
R3	N/A	N/A	N/A	The responsible entity failed to plan and coordinate scheduled outages of telemetering and control equipment and associated communication channels between the affected areas.
R4	N/A	N/A	N/A	The Reliability Coordinator failed to resolve any scheduling of potential reliability conflicts.

Standard TOP-003-1 — Planned Outage Coordination

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E. Regional Variances

No specific provision

Revision History

Revision	Adoption Date	Action	Change Tracking
0	May 4, 2015	New appendix	New