

A. Introduction

- 1. Title:** Coordination of Real-time Activities Between Reliability Coordinators
- 2. Number:** IRO-016-1
- 3. Purpose:** To ensure that each Reliability Coordinator's operations are coordinated such that they will not have an Adverse Reliability Impact on other Reliability Coordinator Areas and to preserve the reliability benefits of interconnected operations.
- 4. Applicability**
 - 4.1. Reliability Coordinator**
- 5. Effective Date:** November 1, 2006

B. Requirements

- R1.** The Reliability Coordinator that identifies a potential, expected, or actual problem that requires the actions of one or more other Reliability Coordinators shall contact the other Reliability Coordinator(s) to confirm that there is a problem and then discuss options and decide upon a solution to prevent or resolve the identified problem.
 - R1.1.** If the involved Reliability Coordinators agree on the problem and the actions to take to prevent or mitigate the system condition, each involved Reliability Coordinator shall implement the agreed-upon solution, and notify the involved Reliability Coordinators of the action(s) taken.
 - R1.2.** If the involved Reliability Coordinators cannot agree on the problem(s) each Reliability Coordinator shall re-evaluate the causes of the disagreement (bad data, status, study results, tools, etc.).
 - R1.2.1.** If time permits, this re-evaluation shall be done before taking corrective actions.
 - R1.2.2.** If time does not permit, then each Reliability Coordinator shall operate as though the problem(s) exist(s) until the conflicting system status is resolved.
 - R1.3.** If the involved Reliability Coordinators cannot agree on the solution, the more conservative solution shall be implemented.
- R2.** The Reliability Coordinator shall document (via operator logs or other data sources) its actions taken for either the event or for the disagreement on the problem(s) or for both.
(Retirement approved by FERC effective January 21, 2014.)

C. Measures

- M1.** For each event that requires Reliability Coordinator-to-Reliability Coordinator coordination, each involved Reliability Coordinator shall have evidence (operator logs or other data sources) of the actions taken for either the event or for the disagreement on the problem or for both.

D. Compliance

- 1. Compliance Monitoring Process**
 - 1.1. Compliance Monitoring Responsibility**

Regional Reliability Organization
 - 1.2. Compliance Monitoring Period and Reset Time Frame**

The performance reset period shall be one calendar year.

1.3. Data Retention

The Reliability Coordinator shall keep auditable evidence for a rolling 12 months. In addition, entities found non-compliant shall keep information related to the non-compliance until it has been found compliant. The Compliance Monitor shall keep compliance data for a minimum of three years or until the Reliability Coordinator has achieved full compliance, whichever is longer.

1.4. Additional Compliance Information

The Reliability Coordinator shall demonstrate compliance through self-certification submitted to its Compliance Monitor annually. The Compliance Monitor shall use a scheduled on-site review at least once every three years. The Compliance Monitor shall conduct an investigation upon a complaint that is received within 30 days of an alleged infraction’s discovery date. The Compliance Monitor shall complete the investigation and report back to all involved Reliability Coordinators (the Reliability Coordinator that complained as well as the Reliability Coordinator that was investigated) within 45 days after the start of the investigation. As part of an audit or investigation, the Compliance Monitor shall interview other Reliability Coordinators within the Interconnection and verify that the Reliability Coordinator being audited or investigated has been coordinating actions to prevent or resolve potential, expected, or actual problems that adversely impact the Interconnection.

The Reliability Coordinator shall have the following available for its Compliance Monitor to inspect during a scheduled, on-site review or within five working days of a request as part of an investigation upon complaint:

- 1.4.1 Evidence (operator log or other data source) to show coordination with other Reliability Coordinators.

2. Levels of Non-Compliance

- 2.1. **Level 1:** For potential, actual or expected events which required Reliability Coordinator-to-Reliability Coordinator coordination, the Reliability Coordinator did coordinate, but did not have evidence that it coordinated with other Reliability Coordinators.
- 2.2. **Level 2:** Not applicable.
- 2.3. **Level 3:** Not applicable.
- 2.4. **Level 4:** For potential, actual or expected events which required Reliability Coordinator-to-Reliability Coordinator coordination, the Reliability Coordinator did not coordinate with other Reliability Coordinators.

E. Regional Differences

None identified.

Version History

Version	Date	Action	Change Tracking
1	August 10, 2005	1. Changed incorrect use of certain hyphens (-) to “en dash (–).” 2. Hyphenated “30-day” and “Reliability Coordinator-to-Reliability Coordinator” when used as adjective.	01/20/06

Standard IRO-016-1 — Coordination of Real-time Activities Between Reliability Coordinators

		<ol style="list-style-type: none"> 3. Changed standard header to be consistent with standard “Title.” 4. Added “periods” to items where appropriate. 5. Initial capped heading “Definitions of Terms Used in Standard.” 6. Changed “Timeframe” to “Time Frame” in item D, 1.2. 7. Lower cased all words that are not “defined” terms — drafting team, and self-certification. 8. Changed apostrophes to “smart” symbols. 9. Removed comma after word “condition” in item R.1.1. 10. Added comma after word “expected” in item 1.4, last sentence. 11. Removed extra spaces between words where appropriate. 	
1	February 7, 2006	Adopted by NERC Board of Trustees	
1	March 16, 2007	Approved by FERC	
1	February 7, 2013	R2 and associated elements approved by NERC Board of Trustees for retirement as part of the Paragraph 81 project (Project 2013-02) pending applicable regulatory approval.	
1	November 21, 2013	R2 and associated elements approved by FERC for retirement as part of the Paragraph 81 project (Project 2013-02)	

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Appendix QC-IRO-016-1 Provisions specific to the standard IRO-016-1 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 Real-time Activities Between Reliability Coordinators
2. **Number:** IRO-016-1
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: September 30, 2016
 - 5.2. Adoption of the appendix by the Régie de l'énergie: September 30, 2016
 - 5.3. Effective date of the standard and its appendix in Québec: January 1, 2017

B. Requirements

No specific provision

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 Time Frame

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 IRO-016-1 — Coordination of Real-time Activities Between Reliability Coordinators

**Appendix QC-IRO-016-1
Provisions specific to the standard IRO-016-1 applicable in Québec**

Revision History

Revision	Adoption Date	Action	Change Tracking
0	October 30, 2013	New appendix	New
1	September 30, 2016	<ul style="list-style-type: none">• Modification of adoption dates• Retirement of requirement R2 in the standard	