

A. Introduction

1. **Title:** Coordination Among Reliability Coordinators
2. **Number:** IRO-014-2
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 Coordinators.
5. **Effective Date:** TBD

B. Requirements

- R1. The Reliability Coordinator shall have Operating Procedures, Processes, or Plans for activities that require notification, exchange of information or coordination of actions with impacted Reliability Coordinators to support Interconnection reliability. These Operating Procedures, Processes, or Plans shall collectively address, as a minimum, the following: *[Violation Risk Factor: Medium] [Time Horizon: Same Day Operations and Operations Planning]*
 - R1.1. Communications and notifications, including the mutually agreed to conditions under which one Reliability Coordinator notifies other Reliability Coordinators; the process to follow in making those notifications; and the data and information to be exchanged with other Reliability Coordinators.
 - R1.2. Energy and capacity shortages.
 - R1.3. Planned or unplanned outage information.
 - R1.4. Voltage control, including the coordination of reactive resources for voltage control.
 - R1.5. Coordination of information exchange to support reliability assessments.
 - R1.6. Authority to act to prevent and mitigate instances of causing Adverse Reliability Impacts to other Reliability Coordinator Areas.
- R2. Each Reliability Coordinator's Operating Procedure, Process, or Plan that requires one or more other Reliability Coordinators to take action (e.g., make notifications, exchange information, or coordinate actions) shall be: *[Violation Risk Factor: Lower] [Time Horizon: Real-time Operations and Operations Planning]*
 - R2.1. Agreed to by all the Reliability Coordinators required to take the indicated action(s).
 - R2.2. Distributed to all Reliability Coordinators that are required to take the indicated action(s).
- R3. The Reliability Coordinator shall make notifications and exchange reliability-related information with impacted Reliability Coordinators using its predefined Operating Procedures, Processes, or Plans for conditions that may impact other Reliability Coordinator Areas or other means to accomplish the notifications and exchange of

reliability-related information. *[Violation Risk Factor: Medium][Time Horizon: Real-time Operations and Operations Planning]*

- R4.** The Reliability Coordinator shall participate in agreed upon conference calls and other communication forums with impacted Reliability Coordinators. *[Violation Risk Factor: Lower][Time Horizon: Real-time Operations]*
 - R4.1.** The frequency of these conference calls shall be agreed upon by all involved Reliability Coordinators and shall be at least weekly.
- R5.** When an expected or actual reliability issue is detected, the Reliability Coordinator shall confirm the existence of the issue with the impacted Reliability Coordinators. In the event that the issue cannot be confirmed, each Reliability Coordinator shall operate as though the problem exists. *[Violation Risk Factor: Medium] [Time Horizon: Operations Planning, Same Day Operations and Real-time Operations]*
- R6.** When an expected or actual reliability issue exists and the impacted Reliability Coordinators cannot agree on a mitigation plan, all impacted Reliability Coordinators shall implement the mitigation plan developed by the Reliability Coordinator who has the reliability issue. *[Violation Risk Factor: Medium] [Time Horizon: Operations Planning, Same Day Operations and Real-time Operations]*

C. Measures

- M1.** The Reliability Coordinator's System Operators shall have available for Real-time use, the latest approved version of Operating Procedures, Processes, or Plans that require notifications, information exchange or the coordination of actions among impacted Reliability Coordinators.
 - M1.1** These Operating Procedures, Processes, or Plans shall address:
 - M1.1.1** Communications and notifications, including the mutually agreed to conditions under which one Reliability Coordinator notifies other Reliability Coordinators; the process to follow in making those notifications; and the data and information to be exchanged with other Reliability Coordinators.
 - M1.1.2** Energy and capacity shortages.
 - M1.1.3** Planned or unplanned outage information.
 - M1.1.4** Voltage control, including the coordination of reactive resources for voltage control.
 - M1.1.5** Coordination of information exchange to support reliability assessments.
 - M1.1.6** Authority to act to prevent and mitigate instances of causing Adverse Reliability Impacts to other Reliability Coordinator Areas.
- M2.** The Reliability Coordinator shall have evidence that the Operating Procedures, Processes, or Plans that require one or more other Reliability Coordinators to take action (e.g., make notifications, exchange information, or coordinate actions) were:

- M2.1** Agreed to by all the Reliability Coordinators required to take the indicated action(s).
- M2.2** Distributed to all Reliability Coordinators that are required to take the indicated action(s).
- M3.** The Reliability Coordinator shall have evidence it made notifications and exchanged reliability-related information with impacted Reliability Coordinators using its predefined Operating Procedures, Processes, or Plans for conditions that may impact other Reliability Coordinator Areas or other means to accomplish the notifications and exchange of reliability-related information.
- M4.** The Reliability Coordinator shall have evidence it participated in agreed upon (at least weekly) conference calls and other communication forums with impacted Reliability Coordinators.
- M5.** The Reliability Coordinator shall have evidence that, in cases when an expected or actual reliability issue was detected, it has confirmed the existence of the issue with the impacted Reliability Coordinators.
- M6.** The affected Reliability Coordinators shall have evidence that, in cases when an expected or actual reliability issue existed and the impacted Reliability Coordinators could not agree on a mitigation plan, they implemented the mitigation plan developed by the Reliability Coordinator who has the reliability issue.

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

Regional Entity

1.2. Compliance Monitoring Period and Reset Time Frame

Not Applicable

1.3. Compliance Monitoring and Enforcement Processes:

Compliance Audits

Self-Certifications

Spot Checking

Compliance Violation Investigations

Self-Reporting

Complaints

1.4. Data Retention

The Reliability Coordinator shall keep documentation for the prior calendar year and the current calendar year or evidence to show compliance as identified below unless directed by its Compliance Enforcement Authority to retain specific evidence for a longer period of time as part of an investigation.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

1.5. Additional Compliance Information

None.

2. Violation Severity Levels

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	The Reliability Coordinator has Operating Procedures, Processes, or Plans in place for activities that require notification, exchange of information or coordination of actions with impacted Reliability Coordinators to support Interconnection reliability but failed to address one or two of the subrequirements.	The Reliability Coordinator has Operating Procedures, Processes, or Plans in place for activities that require notification, exchange of information or coordination of actions with impacted Reliability Coordinators to support Interconnection reliability but failed to address three or four of the subrequirements.	The Reliability Coordinator has Operating Procedures, Processes, or Plans in place for activities that require notification, exchange of information or coordination of actions with impacted Reliability Coordinators to support Interconnection reliability but failed to address five of the subrequirements.	The Reliability Coordinator failed to have Operating Procedures, Processes, or Plans in place for activities that require notification, exchange of information or coordination of actions with impacted Reliability Coordinators to support Interconnection reliability.
R2	N/A	The Reliability Coordinator failed to have evidence that the Operating Procedures, Processes, or Plans that require one or more other Reliability Coordinators to take action (e.g., make notifications,	The Reliability Coordinator failed to have evidence that the Operating Procedures, Processes, or Plans that require one or more other Reliability Coordinators to take action (e.g., make notifications, exchange information, or coordinate actions)	The Reliability Coordinator failed to have evidence that the Operating Procedures, Processes, or Plans that require one or more other Reliability Coordinators to take action (e.g., make notifications, exchange information, or coordinate actions)

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R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
		exchange information, or coordinate actions) were distributed to all Reliability Coordinators that are required to take action.	were not agreed to by all Reliability Coordinators that are required to take action	were not agreed to by all Reliability Coordinators that are required to take action and were not distributed to all Reliability Coordinators that are required to take action
R3	N/A	N/A	The Reliability Coordinator failed to make notifications or exchange reliability-related information with impacted Reliability Coordinators.	The Reliability Coordinator failed to make notifications and exchange reliability-related information with impacted Reliability Coordinators.
R4	The Reliability Coordinator failed to participate in agreed upon (at least weekly) conference calls and other communication forums with impacted Reliability Coordinators.	N/A	N/A	N/A

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R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R5	The Reliability Coordinator that detected an expected or actual reliability issue contacted the other Reliability Coordinator(s) to confirm that there was a problem but could not confirm that the problem existed and failed to operate as though the problem existed.	N/A	N/A	The Reliability Coordinator that detected an expected or actual reliability issue failed to contact the other Reliability Coordinator(s) to confirm that there was a problem.
R6	The Reliability Coordinator did not agree on a mitigation plan and implemented a plan other than the one developed by the Reliability Coordinator who had the reliability issue.	N/A	N/A	The Reliability Coordinator did not agree on a mitigation plan and did not implement a mitigation plan.

E. Regional Differences

None identified.

F. Associated Documents

Version History

Version	Date	Action	Change Tracking
1	August 10, 2005	<ol style="list-style-type: none"> 1. Changed incorrect use of certain hyphens (-) to “en dash (–).” 2. Hyphenated “30-day” when used as adjective. 3. Changed standard header to be consistent with standard “Title.” 4. Initial capped heading “Definitions of Terms Used in Standard.” 5. Added “periods” to items where appropriate. 6. Changed “Timeframe” to “Time Frame” in item D, 1.2. 7. Lower cased all words that are not “defined” terms — drafting team, self-certification. 8. Changed apostrophes to “smart” symbols. 9. Added comma in all word strings “Procedures, Processes, or Plans,” etc. 10. Added hyphens to “Reliability Coordinator-to-Reliability Coordinator” where used as adjective. 11. Removed comma in item 2.1.2. 12. Removed extra spaces between words where appropriate. 	January 20, 2006
1	February 7, 2006	Approved by BOT	Revised
1	April 4, 2007	Regulatory Approval — Effective Date	New
2	TBD	Revised per SAR for Project 2006-6, RCSDT	Revised