

Standard Development Roadmap

This section is maintained by the drafting team during the development of the standard and will be removed when the standard becomes effective.

Development Steps Completed:

1. Draft SAR Version 1 posted January 15, 2007.
2. Draft SAR Version 1 Comment Period ended February 14, 2007.
3. Draft SAR Version 2 and comment responses on SAR version 1 posted March 19, 2007.
4. Draft Version 2 SAR comment period ended April 17, 2007.
5. SAR version 2 and comment responses for SAR version 2 accepted by SC and SDT appointed in June 2007.
6. First posting of revised standards on August 5, 2008 with comment period closed on September 16, 2008.
7. Draft Version ~~2 of 2~~ standards and response to comments September 16, 2008–May 26, 2009.
8. Second posting of revised standards on July 10, 2009 with comment period closed on August 9, 2009.
9. RC SDT coordinated with OPCP SDT and RTO SDT on definitions relating to directives and three part communication and Draft Version 3 of standards and response to comments August 9–November 20, 2009.
10. Third posting of revised standards on January 4, 2010 with comment period closed on February 18, 2010.
11. Fourth posting of revised standards on January 25, 2011 with comment period closed on March 7, 2011.
- ~~11.~~ 12. Initial ~~ballot~~ Ballot conducted February 25 through March 7, 2011.
13. Draft version 5 of the standard and response to comments March 7, 2011 – January 9, 2012.
14. Fifth posting of revised standards on January 9, 2012 with comment period closed on February 9, 2012.
15. Successive ballot conducted January 30 through February 9, 2011.
16. Draft version 6 of the standard and response to comments February 9, 2011 – June 5, 2012.
17. Sixth posting of revised standard on June 7, 2012 with comment period closed on July 6, 2012.
18. Successive ballot conducted June 27 through July 6, 2012.

Proposed Action Plan and Description of Current Draft:

The SDT began working on revisions to the standards in August 2007. The current posting ~~contains~~ contains revisions based on stakeholder comments on the initial ballot. The team is posting for a successive ballot.

Future Development Plan:

Anticipated Actions	Anticipated Date
1. Post standards <u>Standards</u> for a successive ballot.	January-February 2012
2. Respond to comments on successive <u>Successive</u> ballot.	March - April 2012
<u>3. Standard posted for second successive ballot.</u>	<u>June 2012</u>
<u>3-4. Standard</u> Standards posted for recirculation ballot.	<u>September</u> May 2012
<u>4-5. Standard</u> Standards to be sent to BOT for approval.	<u>November</u> June 2012
<u>5-6. Standard</u> Standards filed with regulatory authorities.	<u>January 2013</u> August 2012

Definitions of Terms Used in Standard

This section includes all newly defined or revised terms used in the proposed standard. Terms already defined in the Reliability Standards Glossary of Terms are not repeated here. New or revised definitions listed below become approved when the proposed standard is approved. When the standard becomes effective, these defined terms will be removed from the individual standard and added to the Glossary.

The RC SDT proposes the following new definitions:

Interpersonal Communication: Any medium that allows two or more individuals to interact, consult, or exchange information.

Alternative Interpersonal Communication: Any Interpersonal Communication that is able to serve as a substitute for, and does not utilize the same infrastructure (medium) as, Interpersonal ~~Communication~~Communications used for day-to-day operation.

A. Introduction

1. **Title:** Communications
2. **Number:** COM-001-2
3. **Purpose:** To establish Interpersonal Communication capabilities ~~for the exchange of Interconnection and operating information~~ necessary to maintain reliability.
4. **Applicability:**
 - 4.1. Transmission Operator
 - 4.2. Balancing Authority
 - 4.3. Reliability Coordinator
 - 4.4. Distribution Provider
 - 4.5. Generator Operator
5. **Effective Date:** The first day of the second calendar quarter ~~beyond the date that this standard is approved by~~ following applicable regulatory ~~authorities, approval~~— or in those jurisdictions where ~~no~~ regulatory approval is ~~not~~ required, the ~~standard becomes effective on the~~ first day of the first calendar quarter ~~beyond the date this standard is approved by the NERC following~~ Board of Trustees, ~~or as otherwise made effective pursuant to the laws applicable to such ERO governmental authorities, adoption.~~

B. Requirements

- ~~R1.~~ Each Reliability Coordinator shall have Interpersonal ~~Communication~~ **Communications** capability with the following entities ~~(unless the : [Violation Risk Factor: High][Time Horizon: Real-time Operations])~~
- ~~R1.1.~~ All Transmission Operators and Balancing Authorities within its Reliability Coordinator ~~experiences a failure of its Area.~~
- ~~R1.2.~~ Adjacent Reliability Coordinators within the same Interconnection.
- ~~R2.R1.~~ Each Reliability Coordinator shall designate an Alternative Interpersonal ~~Communication~~ **Communications** capability ~~in which case Requirement R10 shall apply): with the following entities: [Violation Risk Factor: High][Time Horizon: Real-time Operations]~~
- ~~R2.1.R1.1.~~ All Transmission Operators and Balancing Authorities within its Reliability Coordinator Area.
- ~~R2.2.R1.2.~~ Each adjacent ~~Adjacent~~ Reliability ~~Coordinator~~ **Coordinators** within the same Interconnection.
- ~~R3.R2.~~ Each ~~Reliability Coordinator~~ **Transmission Operator** shall ~~designate an Alternative~~ have Interpersonal ~~Communication~~ **Communications** capability with the following entities: ~~[Violation Risk Factor: High][Time Horizon: Real-time Operations]~~

- 2.1. All Transmission Operators and Balancing Authorities within its Reliability Coordinator Area.
- 2.2. Each adjacent Reliability Coordinator within the same Interconnection.
- R3.** Each Transmission Operator shall have Interpersonal Communication capability with the following entities (unless the Transmission Operator experiences a failure of its Interpersonal Communication capability in which case Requirement R10 shall apply): [Violation Risk Factor: High] [Time Horizon: Real-time Operations]
 - R3.1.** 3.1. Its Reliability Coordinator.
 - R3.2.** 3.2. Each Balancing Authority within its Transmission Operator Area.
 - R3.3.** 3.3. Each Distribution Provider within its Transmission Operator Area.
 - R3.4.** 3.4. Each Generator Operator within its Transmission Operator Area.
 - R3.5.** 3.5. ~~Each adjacent~~ ~~Adjacent~~ Transmission ~~Operator~~ ~~Operators~~ synchronously connected ~~within the same Interconnection.~~
 - 3.6. Each adjacent Transmission Operator asynchronously connected.
- R4.** Each Transmission Operator shall designate an Alternative Interpersonal ~~Communication~~ ~~Communications~~ capability with the following entities: [Violation Risk Factor: High] [Time Horizon: Real-time Operations]
 - R4.1.** 4.1. Its Reliability Coordinator.
 - R4.2.** 4.2. Each Balancing Authority within its Transmission Operator Area.
 - R4.3.** 4.3. ~~Each adjacent~~ ~~Adjacent~~ Transmission ~~Operator~~ ~~Operators~~ synchronously connected ~~within the same Interconnection.~~
 - 4.4. Each adjacent Transmission Operator asynchronously connected.
- R5.** Each Balancing Authority shall have Interpersonal ~~Communication~~ ~~Communications~~ capability with the following entities (unless the Balancing Authority experiences a failure of its Interpersonal Communication capability in which case Requirement R10 shall apply): [Violation Risk Factor: High] [Time Horizon: Real-time Operations]
 - R5.1.** Its Reliability Coordinator.
 - R5.2.** Each Transmission Operator that operates Facilities within its Balancing Authority Area.
 - R5.3.** Each Distribution Provider within its Balancing Authority Area.
 - R5.4.** Each Generator Operator that operates Facilities within its Balancing Authority Area.
 - R5.5.** ~~Each adjacent~~ ~~Adjacent~~ Balancing ~~Authority~~ ~~Authorities.~~
- R6.** Each Balancing Authority shall designate an Alternative Interpersonal ~~Communication~~ ~~Communications~~ capability with the following entities: [Violation Risk Factor: High] [Time Horizon: Real-time Operations]
 - R6.1.** Its Reliability Coordinator.

- R6.2.** Each Transmission Operator that operates Facilities within its Balancing Authority Area.
- R6.3.** ~~Each adjacent~~ Balancing ~~Authority~~ Authorities.
- R7.** Each Distribution Provider shall have Interpersonal ~~Communication~~ Communications capability with the following entities ~~(unless the Distribution Provider experiences a failure of its Interpersonal Communication capability in which case Requirement R11 shall apply):~~ *÷ [Violation Risk Factor: High] [~~H~~Time Horizon: Real-time Operations]*
- 7.1.** ~~Its Balancing Authority.~~
- R7.1.** ~~7.2.~~ Its Transmission Operator.
- R7.2.** ~~Its Balancing Authority.~~
- R8.** Each Generator Operator shall have Interpersonal ~~Communication~~ Communications capability with the following entities ~~(unless the Generator Operator experiences a failure of its Interpersonal Communication capability in which case Requirement R11 shall apply):~~ *÷ [Violation Risk Factor: High] [~~H~~Time Horizon: Real-time Operations]*
- R8.1.** ~~8.1.~~ Its Balancing Authority.
- R8.2.** ~~8.2.~~ Its Transmission Operator.
- R9.** Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall test its Alternative Interpersonal ~~Communication~~ Communications capability at least once ~~each~~ calendar month. If the test is unsuccessful, the responsible entity shall initiate action to repair or designate a replacement Alternative Interpersonal ~~Communication~~ Communications capability within 2 hours. *[Violation Risk Factor: Medium][Time Horizon: Real-time Operations, Same-day Operations]*
- R10.** Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall notify entities as identified in Requirements R1, ~~R3, and R5 through R6~~ within 60 minutes of the detection of a failure of its Interpersonal ~~Communication~~ ~~capability~~ Communications capabilities that lasts 30 minutes or longer. *[Violation Risk Factor: Medium] [~~H~~Time Horizon: Real-time Operations]*
- R11.** Each Distribution Provider and Generator Operator that experiences a failure of ~~any of~~ its Interpersonal Communication ~~capability~~ capabilities shall consult ~~each entity affected by the failure, as identified in Requirement R7 for a Distribution Provider or Requirement R8 for a Generator~~ with their Transmission Operator, ~~or Balancing Authority as applicable~~ to determine a mutually agreeable ~~action~~ time for the restoration of ~~its~~ Interpersonal Communication capability. *[Violation Risk Factor: Medium] [~~H~~Time Horizon: Real-time Operations]*

C. Measures

- M1.** Each Reliability Coordinator shall have and provide upon request evidence that it has Interpersonal ~~Communication~~ Communications capability with all Transmission Operators and Balancing Authorities within its Reliability Coordinator Area and with ~~each~~ adjacent Reliability ~~Coordinator~~ Coordinators within the same Interconnection, ~~which, Evidence~~ could include, but is not limited to:

- physical assets, or
- ~~dated~~ evidence, such as, equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time-stamped~~ voice recordings, ~~or dated and time-stamped~~ transcripts of voice recordings, or
- electronic communications,
- ~~or equivalent evidence.~~ (R1.)

M2. Each Reliability Coordinator shall have and provide upon request evidence that it designated an Alternative Interpersonal ~~Communication~~Communications capability with all Transmission Operators and Balancing Authorities within its Reliability Coordinator Area and with each adjacent Reliability ~~Coordinator~~Coordinators within the same Interconnection, ~~which, Evidence~~ could include, but is not limited to:

- physical assets, or
- ~~dated~~ evidence, such as, equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time-stamped~~ voice recordings, ~~or dated and time-stamped~~ transcripts of voice recordings, or
- electronic communications,
- ~~or equivalent evidence.~~ (R2.)

M3. Each Transmission Operator shall have and provide upon request evidence that it has Interpersonal ~~Communication~~Communications capability with its Reliability Coordinator, ~~and within its Transmission Operator Area~~ each Balancing Authority, Distribution Provider, and Generator Operator within its Transmission Operator Area, and each adjacent Transmission Operator asynchronously and synchronously connected, which, Evidence could include, but is not limited to:

- physical assets, or
- ~~dated~~ evidence, such as, equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time-stamped~~ voice recordings, ~~or dated and time-stamped~~ transcripts of voice recordings, or

- ~~electronic communication~~~~communications~~
- ~~or equivalent evidence.~~ (R3.)

M4. Each Transmission Operator shall have and provide upon request evidence that it designated an Alternative Interpersonal ~~Communication~~~~Communications~~ capability with its Reliability Coordinator, ~~and with~~ each Balancing Authority within its Transmission Operator Area, and ~~each~~ adjacent Transmission ~~Operator asynchronously and Operators~~ synchronously connected, ~~which within the same Interconnection.~~ Evidence could include, but is not limited to:

- physical assets, ~~or~~
- ~~dated~~ ~~evidence, such as,~~ equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time stamped~~ voice recordings, ~~or dated and time stamped~~ transcripts of voice recordings, ~~or~~
- ~~electronic communications.~~
- ~~or equivalent evidence.~~ (R4.)

M5. Each Balancing Authority shall have and provide upon request evidence that it has Interpersonal ~~Communication~~~~Communications~~ capability with its Reliability Coordinator, each Transmission ~~Operator and Generator~~ Operator that operates Facilities within its Balancing Authority Area, each Distribution Provider within its Balancing Authority Area, ~~each Generator Operator that operates Facilities within its Balancing Authority Area,~~ and each adjacent Balancing Authority, ~~which.~~ Evidence could include, but is not limited to:

- physical assets, ~~or~~
- ~~dated~~ ~~evidence, such as,~~ equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time stamped~~ voice recordings, ~~or dated and time stamped~~ transcripts of voice recordings, ~~or~~
- ~~electronic communications.~~
- ~~or equivalent evidence.~~ (R5.)

M6. Each Balancing Authority shall have and provide upon request evidence that it designated an Alternative Interpersonal ~~Communication~~~~Communications~~ capability with its Reliability Coordinator, each Transmission Operator that operates Facilities within its Balancing Authority Area, and ~~each~~ adjacent Balancing ~~Authority,~~ ~~which Authorities.~~ Evidence could include, but is not limited to:

- physical assets, or
- ~~dated~~ evidence, such as, equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time-stamped~~ voice recordings, ~~or dated and time-stamped~~ transcripts of voice recordings, or
- ~~electronic communications.~~
- ~~or equivalent evidence (R6.)~~

M7. Each Distribution Provider shall have and provide upon request evidence that that it has Interpersonal ~~Communication~~Communications capability with its Transmission Operator and its Balancing Authority, ~~which~~ ~~Evidence~~ could include, but is not limited to:

- physical assets, or
- ~~dated~~ evidence, such as, equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time-stamped~~ voice recordings, ~~or dated and time-stamped~~ transcripts of voice recordings, or
- ~~electronic communications.~~
- ~~or equivalent evidence (R7.)~~

M8. Each Generator Operator shall have and provide upon request evidence that ~~that~~ it has Interpersonal ~~Communication~~Communications capability with its Balancing Authority and its Transmission Operator, ~~which~~ ~~Evidence~~ could include, but is not limited to:

- physical assets, or
- ~~dated~~ evidence, such as, equipment specifications and installation documentation,
- ~~dated~~ test records,
- ~~dated~~ operator logs,
- ~~dated and time-stamped~~ voice recordings, ~~or dated and time-stamped~~ transcripts of voice recordings, or
- ~~electronic communications.~~
- ~~or equivalent evidence (R8.)~~

- M9.** Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall have and provide upon request evidence that it tested, at least once each calendar month~~on a monthly basis~~, its Alternative Interpersonal Communication capability~~Communications capabilities~~ designated in Requirements R2, R4, or R6. If the test was unsuccessful, the entity shall have and provide upon request evidence that it initiated action to repair or designated a replacement Alternative Interpersonal Communication~~Communications~~ capability within 2 hours. Evidence could include, but is not limited to dated and time-stamped: test records, ~~dated~~ operator logs, ~~dated~~ voice recordings, ~~or dated~~ transcripts of voice recordings, or electronic communications, ~~or equivalent evidence~~. (R9.)
- M10.** Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall have and provide upon request evidence that it notified ~~impacted~~ entities as identified in Requirements R1, R3, and R5 within 60 minutes of the detection of a failure of its Interpersonal Communication capability~~Communications capabilities~~ that lasted 30 minutes or longer. Evidence could include, but is not limited to dated and time-stamped: test records, operator logs, ~~dated~~ voice recordings, ~~or dated~~ transcripts of voice recordings, or electronic communications, ~~or equivalent evidence~~. (R10.)
- M11.** Each Distribution Provider and Generator Operator that experienced a failure of its Interpersonal Communication capability shall have and provide upon request evidence that it consulted with each entity affected by the failure, as identified in Requirement R7 for a Distribution Provider or Requirement R8 for a Generator~~their Transmission Operator, or Balancing Authority as applicable~~ to determine a mutually agreeable action~~time~~ to restore the Interpersonal Communication capability. Evidence could include, but is not limited to dated: operator logs, ~~dated~~ voice recordings, ~~or dated~~ transcripts of voice recordings, or electronic communications, ~~or equivalent evidence~~. (R11.)

~~**M12.**~~

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

~~The For entities that do not work for the~~ Regional Entity, ~~the Regional Entity~~ shall serve as the Compliance Enforcement Authority (CEA) unless the applicable entity is owned, operated, or controlled by the-

~~For Reliability Coordinators that work for their~~ Regional Entity. In such cases, the ERO or a Regional Entity approved by ~~the ERO and~~ FERC or other applicable governmental authority~~authorities~~ shall serve as the CEA. ~~Compliance Enforcement Authority.~~

1.2. Compliance Monitoring and Enforcement Processes

Compliance Audit

Self-Certification

Spot Checking
Compliance ~~Violation~~ Investigation
Self-Reporting
Complaint

1.3. Data Retention

~~The following evidence retention periods identify the period of time an entity is required to retain specific evidence to demonstrate compliance. For instances where the evidence retention period specified below is shorter than the time since the last audit, the Compliance Enforcement Authority may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.~~

The Reliability Coordinator, Transmission Operator, Balancing Authority, Distribution Provider, and Generator Operator shall keep data 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:

- o ~~The Each~~ Reliability Coordinator shall ~~retain~~ keep the most recent twelve months of historical data (evidence of) ~~for~~ Requirements R1, R2, R9, and R10, Measures M1, M2, M9, and M10 for the most recent twelve calendar months.
- o ~~The Each~~ Transmission Operator shall ~~retain~~ keep the most recent twelve months of historical data (evidence of) ~~for~~ Requirements R3, R4, R9, and R10, Measures M3, M4, M9, and M10 for the most recent twelve calendar months.
- o ~~The Each~~ Balancing Authority shall ~~retain~~ keep the most recent twelve months of historical data (evidence of) ~~for~~ Requirements R5, R6, R9, and R10, Measures M5, M6, M9, and M10 for the most recent twelve calendar months.
- o ~~The Each~~ Distribution Provider shall ~~retain~~ keep the most recent twelve months of historical data (evidence of) ~~for~~ Requirements R7 and R11, Measures M7 and M11 for the most recent twelve calendar months.
- o ~~The Each~~ Generator Operator shall ~~retain~~ keep the most recent twelve months of historical data (evidence of) ~~for~~ Requirements R8 and R11, Measures M8 and M11 for the most recent twelve calendar months.

If a Reliability Coordinator, Transmission Operator, Balancing Authority, Distribution Provider, or Generator Operator is found non-compliant ~~with a requirement~~, it shall keep information related to the ~~non-compliance~~ non-compliance until mitigation is complete and approved ~~the Compliance Enforcement Authority finds it compliant~~ or for the time period specified above, whichever is longer.

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

1.4. Additional Compliance Information

~~None.~~



2. Violation Severity Levels

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	N/A	N/A	<u>The Reliability Coordinator failed to have Interpersonal Communication capability with one of the entities listed in Requirement R1, Parts 1.1 or 1.2, except when the Reliability Coordinator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R10.</u> N/A	The Reliability Coordinator failed to have Interpersonal Communication Communications capability with two one or more of the entities listed in <u>Requirement R1</u> , Parts 1.1 or 1.2, <u>except when the Reliability Coordinator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R10.</u>
R2	N/A	N/A	<u>The Reliability Coordinator failed to designate Alternative Interpersonal Communication capability with one of the entities listed in Requirement R2, Parts 2.1 or 2.2.</u> N/A	The Reliability Coordinator failed to designate Alternative Interpersonal Communication Communications capability with two one or more of the entities listed in <u>Requirement R2</u> , Parts 2.1 or 2.2.
R3	N/A	N/A	<u>The Transmission Operator failed to have Interpersonal Communication capability with one of the entities listed in Requirement R3, Parts 3.1, 3.2, 3.3, 3.4, 3.5, or 3.6, except when the Reliability Coordinator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R10.</u> N/A	The Transmission Operator failed to have Interpersonal Communication Communications capability with two one or more of the entities listed in <u>Requirement R3</u> , Parts 3.1, 3.2, 3.3, 3.4, <u>3.5</u> , or <u>3.6</u> , <u>except when the Reliability Coordinator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R10.</u>

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R4	N/A	N/A	<u>The Transmission Operator failed to designate Alternative Interpersonal Communication capability with one of the entities listed in Requirement R4, Parts 4.1, 4.2, 4.3, or 4.4.</u> N/A	The Transmission Operator failed to designate Alternative Interpersonal Communication Communications capability with two one or more of the entities listed in <u>Requirement R4</u> , Parts 4.1, <u>4.2</u> , <u>4.3</u> , or <u>4.4</u> .
R5	N/A	N/A	<u>The Balancing Authority failed to have Interpersonal Communication capability with one of the entities listed in Requirement R5, Parts 5.1, 5.2, 5.3, 5.4, or 5.5, except when the Reliability Coordinator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R10.</u> N/A	The Balancing Authority failed to have Interpersonal Communication Communications capability with two one or more of the entities listed in <u>Requirement R5</u> , Parts 5.1, 5.2, 5.3, 5.4, or 5.5, <u>except when the Reliability Coordinator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R10.</u>
R6	N/A	N/A	<u>The Balancing Authority failed to designate Alternative Interpersonal Communication capability with one of the entities listed in Requirement R6, Parts 6.1, 6.2, or 6.3.</u> N/A	The Balancing Authority failed to designate Alternative Interpersonal Communication Communications capability with two one or more of the entities listed in <u>Requirement R6</u> , Parts 6.1, 6.2, or 6.3.

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R7	N/A	N/A	<p><u>The Distribution Provider failed to have Interpersonal Communication capability with one of the entities listed in Requirement R7, Parts 7.1 or 7.2, except when the Distribution Provider experienced a failure of its Interpersonal Communication capability in accordance with Requirement R11.</u>N/A</p>	<p>The Distribution Provider failed to have Interpersonal <u>CommunicationCommunications</u> capability with twoone or more of the entities listed in <u>Requirement R7</u>, Parts 7.1 or 7.2, <u>except when the Distribution Provider experienced a failure of its Interpersonal Communication capability in accordance with Requirement R11.</u></p>
R8	N/A	N/A	<p><u>The Generator Operator failed to have Interpersonal Communication capability with one of the entities listed in Requirement R8, Parts 8.1 or 8.2, except when a Generator Operator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R11.</u>N/A</p>	<p>The Generator Operator failed to have Interpersonal <u>CommunicationCommunications</u> capability with twoone or more of the entities listed in <u>Requirement R8</u>, Parts 8.1 or 8.2, <u>except when a Generator Operator experienced a failure of its Interpersonal Communication capability in accordance with Requirement R11.</u></p>

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R9	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u>responsible entity tested the Alternative Interpersonal <u>Communication</u>Communications capability but failed to initiate action to repair or designate a replacement Alternative Interpersonal <u>Communication</u>Communications in more than 2 hours and less than or equal to 4 hours <u>upon an unsuccessful test.</u></p>	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u>responsible entity tested the Alternative Interpersonal <u>Communication</u>Communications capability but failed to initiate action to repair or designate a replacement Alternative Interpersonal <u>Communication</u>Communications in more than 4 hours and less than or equal to 6 hours <u>upon an unsuccessful test.</u></p>	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u>responsible entity tested the Alternative Interpersonal <u>Communication</u>Communications capability but failed to initiate action to repair or designate a replacement Alternative Interpersonal <u>Communication</u>Communications in more than 6 hours and less than or equal to 8 hours <u>upon an unsuccessful test.</u></p>	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u>responsible entity failed to test the Alternative Interpersonal <u>Communication</u>Communications capability <u>once each calendar month</u>on at least a monthly basis.</p> <p>OR</p> <p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u>responsible entity tested the Alternative Interpersonal <u>Communication</u>Communications capability <u>and identified a problem</u> but <u>failed to</u>didn't initiate action to repair or designate a replacement Alternative Interpersonal <u>Communication</u>Communications in more than 8 hours <u>upon an unsuccessful test.</u></p>

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R10	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u> responsible entity failed to notify the impacted entities identified in Requirements R1, R3, and R5 upon the detection of a failure of its <u>Interpersonal Communication capability</u> in more than 60 minutes but less than or equal to 70 minutes.</p>	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u> responsible entity failed to notify the impacted entities identified in Requirements R1, R3, and R5 upon the detection of a failure of its <u>Interpersonal Communication capability</u> in more than 70 minutes but less than or equal to 80 minutes.</p> <p>OR</p> <p>The responsible entity notified at least one, but not all, impacted entities of the failure of its <u>Interpersonal Communications capabilities</u> within 60 minutes.</p>	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u> responsible entity failed to notify the impacted entities identified in Requirements R1, R3, and R5 upon the detection of a failure of its <u>Interpersonal Communication capability</u> in more than 80 minutes but less than or equal to 90 minutes.</p>	<p>The <u>Reliability Coordinator, Transmission Operator, and Balancing Authority</u> responsible entity failed to notify the identified impacted entities identified in Requirements R1, R3, and R5 upon the detection in more than 90 minutes.</p> <p>OR</p> <p>The responsible entity failed to notify any impacted entities of the failure of its <u>Interpersonal Communication capability</u> in more than 90 minutes. Communications capabilities.</p>

R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R11	N/A	N/A	N/A	<p>The <u>Distribution Provider or Generator Operator that experienced a failure of its Interpersonal Communication capability</u> responsible entity failed to consult with <u>each entity affected by the failure, their Transmission Operator or Balancing Authority</u> as identified in Requirement R7 for a <u>Distribution Provider or Requirement R8 for a Generator Operator, applicable</u> to determine a mutually agreeable <u>action for the restoration of time to restore</u> the Interpersonal Communication capability.</p>

E. Regional Differences

None identified.

F. Associated Documents**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	November 1, 2006	Adopted by Board of Trustees	Revised
1	April 4, 2007	Regulatory Approval — Effective Date	New
1	April 6, 2007	Requirement 1, added the word “for” between “facilities” and “the exchange.”	Errata
2	TBD	<u>Revised in accordance with SAR for Project 2006-06, Reliability Coordination (RC SDT). Replaced R1 with R1-R8; R2 replaced by R9; R3 included within new R1; R4 remains enforce pending Project 2007-02; R5 redundant with EOP-008-0, retiring R5 as redundant with EOP-008-0, R1; retiring R6, relates to ERO procedures; R10 & R11, new.</u> Revised per SAR for Project 2006-06, RC SDT	Revised