

### 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 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. (Note that as part of the second posting, the sole requirements retained from IRO-002 were posted for the second time within IRO-001 with a suggestion to retire IRO-002.)
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. (Note that in this posting, the requirements for IRO-002 were posted in IRO-001.)
11. Fourth posting of revised standards for a comment period with an initial ballot from January 18, 2011 through March 7, 2011. (Note that in this posting, the requirements for IRO-002 were moved from IRO-001 back into IRO-002.)

#### Proposed Action Plan and Description of Current Draft:

This is the fifth draft of the requirements in this standard posted for a recirculation ballot. The standards that did not receive comments in the initial ballot will move forward for a recirculation ballot; standards needing significant revision will move forward to another comment period and a successive ballot. IRO-005-4 did not have any significant changes following the initial ballot and is being posted for a recirculation ballot.

#### Future Development Plan:

Anticipated Actions	Anticipated Date
1. Standard posted for recirculation ballots.	July 2011
1. Standard sent to BOT for approval.	August 2011
2. Standard filed with regulatory authorities.	September 2011

### **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.*

**None**

## A. Introduction

1. **Title:** **Reliability Coordination – Analysis Tools**
2. **Number:** IRO-002-3
3. **Purpose:** To ensure that Reliability Coordinators provide their System Operators with authority with respect to analysis tool outages and to have procedures to mitigate effects of analysis tool outages.
4. **Applicability**
  - 4.1. Reliability Coordinator
5. **Effective Date:** In those jurisdictions where regulatory approval is required, this standard shall become effective on the first day of the first calendar quarter after applicable regulatory approval. In those jurisdictions where no regulatory approval is required, this standard shall become effective on the first day of the first calendar quarter after Board of Trustees approval.

## B. Requirements

- R1. Each Reliability Coordinator shall provide its System Operators with the authority to approve, deny or cancel planned outages of its own analysis tools. [*Violation Risk Factor: Medium*] [*Time Horizon: Real-time Operations, Same Day Operations and Operations Planning*]
- R2. Each Reliability Coordinator shall have procedures in place to mitigate the effects of analysis tool outages. [*Violation Risk Factor: Medium*] [*Time Horizon: Real-time Operations, Same Day Operations and Operations Planning*]

## C. Measures

- M1. Each Reliability Coordinator shall have and provide upon request evidence that could include, but is not limited to, a documented procedure or equivalent evidence that will be used to confirm that the Reliability Coordinator has provided its System Operators with the authority to approve, deny or cancel planned outages of its own analysis tools. (R1)
- M2. Each Reliability Coordinator shall have and provide upon request evidence that could include, but is not limited to, a documented procedure or equivalent evidence that will be used to confirm that that the Reliability Coordinator has procedures in place to mitigate the effects of analysis tool outages. (R2)

## D. Compliance

### 1. Compliance Monitoring Process

#### 1.1. Compliance Enforcement Authority

The Regional Entity is the Compliance Enforcement Authority except where the Reliability Coordinator works for the Regional Entity. Where the Reliability Coordinator works for the Regional Entity, the Regional Entity will establish an agreement with the ERO or another entity approved by the ERO and FERC (i.e. another Regional Entity), to be responsible for compliance enforcement.

#### 1.2. Compliance Monitoring and Enforcement Processes:

Compliance Audit

Self-Certification

Spot Checking

Compliance Violation Investigation

Self-Reporting  
Complaint

**1.3. Data Retention**

The Reliability Coordinator 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:

- The Reliability Coordinator shall retain its current, in force document and any documents in force for the current year and previous calendar year for Requirements R1 and R2 and Measures M1 and M2.
- If a Reliability Coordinator is found non-compliant, it shall keep information related to the non-compliance until found compliant.
- 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**

Violation Severity Levels				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	N/A	N/A	N/A	The Reliability Coordinator failed to provide its System Operator with the authority to approve, deny or cancel planned outages of its own analysis tools.
R2	N/A	N/A	N/A	The Reliability Coordinator failed to have a procedure to mitigate the effects of analysis tool outages.

**E. Regional Variances**

None identified.

**Version History**

<b>Version</b>	<b>Date</b>	<b>Action</b>	<b>Change Tracking</b>
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	
1	April 4, 2007	Replaced Levels of Non-compliance with the Feb 28, BOT approved Violation Severity Levels (VSLs) Corrected typographical errors in BOT approved version of VSLs	Revised to add missing measures and compliance elements
2	October 17, 2008	Deleted R2, M3 and associated compliance elements as conforming changes associated with approval of IRO-010-1	Revised as part of IROL Project
2	October 17, 2008	Adopted by NERC Board of Trustees	IROL Project
2	March 23, 2011	Order issued by FERC approving IRO-002-2 (approval effective 5/23/11)	
3	To be determined	Retired R1-R8 under Project 2006-06.	Project 2006-06