

REVISIONS TO TOP/IRO RELIABILITY STANDARDS

Meeting Notes

1. Introduction

The Chair started the meeting at 8:00 a.m. on Tuesday, April 22, 2014 at the offices of Florida Power and Light in Miami, FL. Meeting participants were:

Members		
David Bueche, Center Point	Jim Case, Entergy	Allen Klassen, Westar
Bruce Larsen, WE	Andy Pankratz, FPL, Vice Chair	Bert Peters, APS
Kyle Russell, IESO	Eric Senkowicz, FRCC	Kevin Sherd, MISO
Dave Souder, PJM, Chair	Ed Dobrowolski, NERC	
Observers		
Eugene Blick, FERC	Steve Eldridge, NERC	Ted Franks, FERC
Vic Howell, Peak	Darrell Piatt, FERC	Dede Subkati, CAISO
Stacey Tyrewala, NERC	Guy Zito, NPCC	

2. Logistics and Safety Information

Andy Pankratz delivered the local safety information.

3. Determination of Quorum

Quorum was achieved.

4. NERC Antitrust Compliance Guidelines and Public Announcement

The NERC Antitrust Compliance Guidelines were delivered. The public announcement warning was read to the group.

5. SDT Participant Conduct Policy

The SDT participant conduct policy was explained.

6. SDT E-mail List Policy

The SDT e-mail list policy was explained.

7. Membership Changes and Roster Updates

Dave Souder's e-mail address has changed to david.souder@pjm.com.

8. Review Agenda and Objectives – Dave Souder

No changes were made to the published agenda.

The objective of the meeting was to find and resolve any perceived gaps in the proposed requirements and to finalize the documentation needed for the first posting.

9. Placeholder for FERC staff

FERC staff did not make any comments.

10. Review and Finalize the NOPR Issues Document

The SDT reviewed the draft responses that were cleaned up from the comments made in Atlanta. Several changes/suggestions/questions were discussed:

- The seams issue was changed to emphasize that a Transmission Operator will initially coordinate with its neighboring Transmission Operator and its Reliability Coordinator.
- There needs to be a requirement for coordination of the Transmission Operator's plans with the Reliability Coordinator.
- Should IRO-002-4, Requirement R2 be used or should the SDT go with approved IRO-003-2?
- Does IRO-008 and IRO-009 need to include SOL language?
- The SDT should note that data security is being discussed within the CIP project.

11. Review and Finalize the OCEC Report Responses on IERP Issues

The SDT reviewed the draft responses and made the following suggestions:

- Wording changes will be needed once the outage coordination issue is resolved.
- An issue should be added to the issues database concerning possible future changes to approved TPL-001-4.
- There should be an action requirement for the Transmission Operator and Balancing Authority similar to that for the Reliability Coordinator.

12. Discussion of Gaps Found in:

a. Project Issues and Directives Document

The sub-team led a review of the possible gaps it found during its work and made suggested changes to the document on the fly.

b. Project Mapping Document

The sub-team presented its work on the mapping document. Several issues were uncovered:

- Voice and data link requirements for the Reliability Coordinator, Transmission Operator, and Balancing Authority need to be discussed.
- The standards from the FYRT reviews that are being brought into this project need to be included in the mapping document.
- The need for a requirement for a Transmission Operator to operate to the most limiting parameter needs to be discussed.

c. SW Outage Report Recommendations

The sub-team reviewed its recommended responses.

- The SDT agreed to the suggested change to proposed TOP-002-4, Requirement R3.
- A question was raised as to the need to add SOLs to IRO-009.

- The sub-team does not feel that a requirement for seasonal studies is needed. With the strengthening of the definitions of Operational Planning Analysis and Real-time Assessment, introduction of Operating Plans into the requirements, and an outage coordination process being added to the standards, the need for seasonal assessments is not required. Questions were raised as to whether this approach adequately handled shoulder periods. The SDT believes that it will as the outage coordination process will require studies that would have to cover these periods. Additional questions were raised about this approach being sufficient to cover winter/summer parameter changes such as changes in temperatures, sudden load changes, etc.
- The SDT needs to discuss whether 30 minutes is the correct value for running Real-time Assessments.
- The phase angle recommendation may be covered in existing Operating Plans but it could be listed as an input to the Operational Planning Analysis. This issue has ties to the directive in order 693, paragraph 1663.

13. Finalize Review of other IRO Reliability Standards for Consistency

The SDT agrees with the FYRT recommendation to move Transmission Service Provider to proposed IRO-001 and retire approved IRO-004-2.

The FYRT also recommended retiring proposed IRO-005 by moving the active requirements to approved IRO-008-1. The SDT agreed and merged the two standards. However, IRO-008 must be made consistent with proposed TOP-001-3.

The FYRT also recommended several changes to approved IRO-010. The SDT accepted the recommendations and also added Transmission Planner to the list of applicable entities for completeness.

14. Review and Finalize Revisions to the TOP Reliability Standards

The SDT reviewed the proposed standards. Referenced requirement numbers are to the version being reviewed and may have changed in updated versions due to added requirements.

TOP-001-3

The term 'Interchange' was added to bring the definition of Real-time Assessment up to date with a change made by a previous SDT. Failure was deleted as a qualifier to Special Protection Systems as status should cover that condition. Qualifiers for phase angles were added to the definition.

The effective date language needs to be checked to make certain that the latest approved language from NERC Legal has been used.

New requirements were added to cover the need for the Transmission Operator and Balancing Authority to act or direct others to act. The wording was copied from IRO-001-4. Authority was not included in these requirements and the reasoning is shown in the mapping document.

Rationale statements will include IERP recommendation references as well as SW Outage Report recommendations as appropriate.

Operations Planning was removed from the time horizons for Requirements R15 and R16 as they are Real-time requirements.

Alternative language was drafted for the SOL mitigation requirement to meet concerns raised during the meeting.

The proposed outage coordination requirement was deleted as it was moved to the new outage coordination standard.

A new requirement will be added to show that Transmission Operators must operate to the most conservative parameter.

TOP-002-4

The definition of Operational Planning Analysis was made consistent with the changes to Real-time Assessment.

SW Outage Report recommendations need to be added to the rationales where appropriate.

Language amongst requirements was made consistent.

Requirement R3 was changed to show impacted entities rather than all neighbors.

Requirement R4 was changed to break out the sub-parts.

Two new requirements for providing Operating Plans to the Reliability Coordinator were added due to SW Outage Report recommendations.

TOP-003-3

Requirement R1, part 1.2 language was made consistent with changes to TOP-001-3 and TOP-002-4.

Requirement R1, parts 1.3, 1.6, and 1.7 were moved to Requirement R5 to make it clear as to who was making the agreements.

VRFs were updated to match those in approved IRO-010.

15. Review and Finalize Revisions to the IRO Reliability Standards

IRO-001-4

The title and purpose statement were updated to match the requirements.

Language was updated to ensure consistency with the TOP standards.

IRO-002-4

Language was updated to ensure consistency with the TOP standards.

The language from the first sentence in IRO-002-2, Requirement R1 was retained as Requirement R1.

The monitoring requirement in IRO-002-4 essentially duplicates Requirement R1 in IRO-003-2. Therefore, that requirement was retired.

Requirements concerning voice and data links as well as monitoring capabilities were added in after a mapping review showed that they hadn't been adequately covered elsewhere.

IRO-003-2

Requirement R2 was deleted as the enhanced monitoring capabilities being proposed in the revised standards addresses the issue.

No requirements remained in IRO-003-2 so it will be retired.

IRO-004-2

The SDT agreed that this standard can be retired since Transmission Service provider was added to IRO-001-4.

IRO-005-4

All of the requirements that were still active were merged into IRO-008-2 so this standard will be retired.

IRO-008-2

SOLs were added to Requirement R1 due to the NOPR seams issues and the SW Outage Report recommendation.

Language was made consistent with that in the TOP standards.

TOP-007-0, Requirement R4 was added to this standard after the mapping team found that it was not covered elsewhere.

A new requirement was added for the Reliability Coordinator to review its Transmission Operator and Balancing Authority Operating Plans due to a SW Outage Report recommendation.

IRO-010-2

Language was updated to ensure consistency with the TOP standards.

VRFs from this standard which were approved by FERC were copied to TOP-003-3.

IRO-014-2

A requirement was added to cover the concept of Reliability Coordinator to Reliability Coordinator assistance. The language was copied from a similar requirement in TOP-001-3 for Transmission Operators.

IRO-017-1

This is a new standard responding to NOPR and IERP concerns on outage coordination issues. A draft was reviewed and revised by the SDT and will be distributed for additional study.

Coordination between the Reliability Coordinator and the Planning Coordinator and Transmission Planner is a key element to address the concerns in the 12 to 36 month timeframe.

16. Finalize Revisions to PRC-001 Reliability Standard

The SDT reviewed the proposed changes which moved all notification requirements to the TOP standards while leaving coordination and corrective action issues for the Generator Operator in PRC-001-3. Corrective actions by the Transmission Operator were deleted from the standard as they are covered in the TOP standards and the revised definitions of Operational Planning Analysis and Real-time Assessment.

17. Review the SOL Exceedance White Paper

The SDT reviewed the draft white paper.

The introduction was changed to a more generic approach to truly introduce the topic without getting into technical details. The requirement numbering will need to be updated once the revisions to the standards are complete. Acceptable time durations need to be clarified in the Operating Plan. The Operating Plan should explain the differences between treatment of thermal and dynamic problems. It should be emphasized that the figure is just an example and doesn't imply that all entities will have time-based rating increments identical to the figure. The document is too thermal-centric and needs to be expanded to include voltage and stability.

18. Review the Outage Coordination White Paper

This white paper may not be needed now that a new outage coordination standard has been developed. The sub-team will review the new proposed standard to ensure that the concepts that it was working on for the white paper are included in the requirements. The sub-team will recommend to the SDT whether the white paper is still needed. If the sub-team decides to continue with the paper the sub-team should also recommend when it would need to be completed – first posting, only for the filing, etc. It is also possible that the goal of the white paper could be achieved through another mechanism now such as a Power Point presentation explaining the outage coordination process.

19. Review and Finalize the Project Issues and Directives Document

No further discussions were required as the document was continually updated and reviewed as the SDT worked on the standards.

20. Review and Finalize the Project Mapping Document

No further discussions were required as the document was continually updated and reviewed as the SDT worked on the standards

21. Review and Finalize the SW Outage Report Recommendations

No further discussions were required as the document was continually updated and reviewed as the SDT worked on the standards

22. Review and Finalize Implementation Plan

This item was not discussed due to time limitations and loss of quorum. The SDT leadership will review the document and make a recommendation to the full SDT for consideration.

23. Review and Finalize Comment Form for First Posting

This item was not discussed due to time limitations and loss of quorum. The SDT leadership will review the document and make a recommendation to the full SDT for consideration.

24. Review and Finalize the VRF/VSL Justification Document

This document was not discussed as it can't be written until the requirements were stabilized.

25. Develop Project Communication Plan

There are a number of meetings that SDT members/observers will be attending that could be used as a forum for spreading the word about the revised standards. These include:

- Bueche – ERCOT NSRS (Standards Committee) – May ?
- Senkowicz - NERC ORD – Toronto – May 6
- Rhodes/Senkowicz - NERC Operating Reliability Subcommittee (ORS) - May 6-7
- Rhodes/Klassen - SPP Operating Reliability Working Group (ORWG) - May 8
- Souder - RFC Reliability Committee – MISO Offices – May 13
- Sherd – MISO Reliability Subcommittee – MISO – May 14
- Souder - NPCC Task Force Coordinated Operations – May 14 or 15 (via conference call)
- Souder - PJM Reliability Standards and Compliance Subcommittee – May 15 (PJM)
- Pankratz - FRCC ORS Meeting – FRCC Office (Tampa, FL) – 5/20-21
- Pankratz - FRCC OC Meeting – FRCC Office (Tampa, FL) – 6/5
- Souder - NERC Operating Committee – June 10/11 (Orlando, FL)
- Souder – NERC Planning Committee - ?????
- Transmission Forum, Atlanta, June 11 - 12
- Howell/Peters – WECC Operating Committee – July 15/16 (Salt Lake City, UT)

A slide deck will be prepared for all to use so that a consistent message is delivered.

26. Next Steps

Sam Holeman and Tom Bowe have agreed to work on the quality review process. The QR team will have a conference call on May 7. The documents need to go to the Standards Committee for authorization to post on May 9 so that they have them in hand sufficiently in advance of a May 16 or 19 conference call. The first posting is slated for May 19 to July 1.

27. Future Meetings

There will be a conference call and WebEx on Thursday, May 1 from 1:00 p.m. EDT to 5:00 p.m. EDT and another on Tuesday, May 6 from 1:00 p.m. to 5:00 p.m. EDT. Details will follow.

The next face-to-face meeting will be July 22 – 24, 2014 in Carmel, IN hosted by MISO. This date is dependent on the posting date. Therefore, SDT members should block the dates, but not make travel plans.

28. Action Item Review

The SDT needs to review consistency of use with the term Emergency with regard to SOLs and/or IROs.

There is an open item to review whether SOLs need to be added to IRO-009-1.

29. Adjourn

The Chair thanked FPL for its hospitality and adjourned the meeting on Thursday, April 24, 2014 at 4:00 p.m. EDT.