

Meeting Minutes

Operating Committee

December 15–16, 2015

Westin Buckhead Atlanta
Atlanta, Georgia

A regular meeting of the NERC Operating Committee (OC) was held on December 15–16, 2015, in Atlanta, Georgia. The meeting agenda and the attendance list are affixed as **Exhibits A** and **B**, respectively; and individual statements and minority opinions as **Exhibits C** and **D**, respectively. The meeting presentations are posted in a separate file at [OC Presentations](#).

OC Chair Jim Case convened the meeting at 1:00 p.m. EST. Secretary Larry Kezele announced that a quorum was present, read the Notice of Public Meeting and referred the committee to the NERC Antitrust Compliance Guidelines.

Chair's Opening Remarks

Chair Case welcomed the OC to Atlanta and noted that the OC has another full agenda of material to consider and debate. He drew the OC's attention to the following agenda items:

1. ERSTF Status Report
2. Reliability Guideline: Primary Frequency Control
3. Reliability Guideline: RCs – BAs – TOPs Communication: Loss of Real-Time Reliability Tools Capability / Loss of Equipment Significantly Affecting ICCP Data
4. IVGTF Recommendations for Operating Technical Guidelines

Remarks of Trustee Gerry Cauley, NERC President and CEO

Mr. Gerry Cauley welcomed the OC to Atlanta and noted that he was approaching 6-years as NERC's CEO. He started at NERC in December 1996 and for a time worked with the Market Interface Committee, which was once one of the Technical Committees. He noted that at times he and the Board of Trustees have wrestled with how to align the Technical Committees with the efforts and strategic plan of NERC and the Board of Trustees. Mr. Cauley identified the following areas of ongoing reliability risk management:

1. Root cause analysis and comprehensive event analysis.

Meeting Highlights

1. Approved the revised Reliability Guideline: RCs – BAs – TOPs Communication: Loss of Real-Time Reliability Tools Capability / Loss of Equipment Significantly Affecting ICCP Data.
2. Approved the development of an Inadvertent Interchange Reliability Guideline and a Reporting ACE Reliability Guideline by the Project 2010-14.2.1 Standard Drafting Team and the Resources Subcommittee.
3. Approved the Reliability Guideline: Primary Frequency Control.
4. Appointed Eric Senkowicz (FRCC RC) as Operating Reliability Subcommittee chair and David Devereaux (IESO RC) as ORS vice chair.
5. Appointed Troy Blalock (South Carolina Electric and Gas) as Resources Subcommittee chair and John Tolo (Tucson Electric Power) as RS vice chair.
6. Appointed Leeth De Priest as Generating Availability Data System Working Group chair and Steve Wenke as GADSWG vice chair.
7. Approved revisions to Reliability Metrics 12, 13, 14 and 15.
8. Approved the revised Time Monitoring Reference Document and the revised Geomagnetic Disturbance Reference Document.

2. Relay misoperations.
3. Equipment failures as identified in the State of Reliability reports.
4. BES modelling given the changing characteristics of system load and generation.
5. Situation Awareness and the need for the right system operator tools.

Consent Agenda

By consent, the committee approved the minutes of the September 15–16, 2015 meeting.

Chair's Remarks

Chair Case welcomed the following new members to the Operating Committee: 1) Ralph Rufrano (NPCC Regional Entity Sector) and Dick Pursley (MRO Regional Entity Sector).

Vice Chair Linke provided a brief overview of the November 4, 2015 Member Representatives Committee meeting and the November 5, 2015 Board of Trustees meeting. The OC's report to the Board of Trustees was included in the agenda packet for this meeting.

OC Action Item Review

Chair Case reviewed the list of action items and reported that several have been completed or are on the agenda for this meeting. The revised action item list is attached as **Exhibit E**.

Operating Reliability Subcommittee (ORS) Status Report

ORS Chair Joel Wise summarized the subcommittee's status report, which was included in the OC agenda packet. He highlighted the subcommittee's work 1) with the IDC Tools Association on the Parallel Flow Visualization project, 2) on geomagnetic event reporting and 3) to revise the Time Monitoring Reference Document and the Geomagnetic Disturbance Reference Document. The ORS also endorsed a draft Reliability Guideline: RCs – BAs – TOPs Communication: Loss of Real-Time Reliability Tools Capability / Loss of Equipment Significantly Affecting ICCP Data.

Chair Wise noted that his term as ORS chair terminates on December 31, 2015 and that the ORS recommends the appointment of Eric Senkowicz (FRCC RC) as ORS chair and David Devereaux (IESO RC) as ORS vice chair. Without OC objection, Chair Case appointed Eric Senkowicz (FRCC RC) as ORS chair and David Devereaux (IESO RC) as ORS vice chair.

Resources Subcommittee (RS) Status Report

RS Chair Gerry Beckerle provided an overview of subcommittee activities, including:

1. Interconnection Frequency Response Initiative
2. Support of BAL-003-1 Implementation
3. Draft Reliability Guideline: Primary Frequency Control

4. Issuance of a letter to Regional Entity Inadvertent Survey contacts in accordance with the OC's motion made at its September 2015 meeting.

Chair Beckerle noted that his term as RS chair terminates on December 31, 2015 and that the RS recommends the appointment of Troy Blalock (South Carolina Electric and Gas) as RS chair and John Tolo (Tucson Electric Power) as RS vice chair. Without OC objection, Chair Case appointed Troy Blalock (South Carolina Electric and Gas) as RS chair and John Tolo (Tucson Electric Power) as RS vice chair.

Event Analysis Subcommittee (EAS) Status Report

EAS Chair Hassan Hamdar provided an overview of subcommittee activities including: 1) Third Annual Monitoring and Situational Awareness Technical Conference held on September 29-30, 2015, 2) Overview of two industry webinars on Version 3.0 of the ERO Event Analysis Process and Appendices, and 3) collaboration efforts with the North American Transmission Forum and the North American Generator Forum (**Presentation 5.c**). Chair Hamdar noted that there are three Lessons Learned are pending publishing in December:

1. Human Error Leads to Evacuation of Primary Control Room
2. Control Network communication Path
3. Managing and Monitoring of an SOL and IROL Exceedance Leading to Manual Load Shedding that was not required

Chair Hamdar stated that NERC's goal with publishing [Lessons Learned](#) is to provide industry with technical and understandable information that assists them with maintaining the reliability of the bulk power system. NERC requests that industry provide input on Lessons Learned by taking a short survey. The survey link is provided on each Lessons Learned.

Personnel Subcommittee (PS) Status Report

Lauri Jones, chair of the PS, reviewed the subcommittee's status report drawing the OC's attention to the Future Initiatives/Deliverables section of the status report. Chair Jones also reported that the PS is starting to develop Version 4.4 of the Continuing Education Manual, which may be a two-year effort. Continuing Education Provider workshops are being scheduled.

Chair Jones led the OC in a discussion of its effort to draft a Reliability Guideline for Situational Awareness. OC comments or questions included:

1. What does Situational Awareness mean to system operators?
2. What information is needed by system operators?
3. Situational Awareness is not a NERC defined term, yet it is used in several NERC Reliability Standards.
4. May be necessary to differentiate between situational awareness for system operators and situational awareness as used by NERC and the Regional Entities.

5. Focus on the attributes of situational awareness.

Reliability Issues Steering Committee (RISC)

Chair Case reported that he has been the committee's representative to the RISC for approximately two years and that following Board of Trustees approval Vice Chair Linke will become the OC's representative to the RISC. Vice Chair Linke reported that his nomination to replace Chair Case on the RISC will likely be addressed by the NERC Board of Trustees at its February 2016 meeting. The RISC may be requested to release its draft annual report by July 2016.

Essential Reliability Services Task Force (ERSTF)

Todd Lucas reported that the ERSTF Framework report was accepted by the Operating and Planning Committees on October 23, 2015 and that the ERSTF Abstract report was accepted, without exception, by the Operating and Planning Committee on November 2, 2015. The NERC Board of Trustees reviewed and accepted the ERSTF Framework and Abstract Reports on December 7, 2015. The Framework Report presents three broad areas for further analysis: Frequency Response, Voltage Support and System Modelling. Dr. James Merlo reported that NERC Staff will be developing a plan to gather the data to support the frequency measures.

Eastern Interconnection Data Sharing Network

Todd Lucas, on behalf of David Souder, provided a summary of the EIDSN's effort to implement Elnet, which is intended to replace NERCnet (**Presentation 7.b**). EIDSN was formed by Eastern Interconnection reliability coordinators in January 2014. The primary and secondary Elnet networks consists of 57 nodes. The transition from NERCnet to Elnet is complete and all NERCnet owners have placed NERCnet disconnect notices. SaskPower has joined EIDSN and the IDC Tools Association is expected to join EIDSN in the spring of 2016.

Performance Analysis Subcommittee (PAS) Status Report

PAS Chair Melinda Montgomery briefed the OC on recent PAS activities (**Presentation 7.c**). She reported that a change in leadership of the Generating Availability Data System Working Group (GADSWG) is taking place and that Chair Case needs to approve the recommended chair and vice chair of the GADSWG in accordance with the GADSWG scope. Without OC objection, Chair Case appointed Leeth De Priest as GADSWG chair and Steve Wenke as GADSWG vice chair.

Ms. Montgomery provided an overview of revisions to the following Reliability Metrics:

1. Metric 12 (Automatic AC Transmission Outages Initiated by Failed Protection System Equipment)
2. Metric 13 (Automatic AC Transmission Outages Initiated by Human Errors)
3. Metric 14 (Automatic AC Transmission Outages Initiated by Failed AC Substation Equipment)
4. Metric 15 (Automatic AC Transmission Outages Initiated by Failed AC Circuit Equipment)

Following a brief discussion, Leonard Kula moved to approve revisions to Reliability Metrics 12, 13, 14 and 15. The committee approved the motion. Ms. Montgomery reported that the PAS is beginning its effort to develop a metric to address ERSTF Framework Report Measure 7 (Reactive Capability).

Ms. Montgomery reported that the PAS is in need of members with operations experience and encouraged the OC and its subcommittee to help solicit new PAS members. She also reviewed the schedule for developing the 2016 State of Reliability Report. She reported that she expects to attend the March 2016 OC meeting to request OC reviewers of the 2016 SOR report.

Update on SPP, MISO, and Joint Parties Transmission Usage Agreement

David Zwergel provided an update of the MISO – SPP Settlement (**Presentation 7.e**). He addressed the following highlights of the agreement:

1. The settlement is a commercial agreement.
2. Generally retains capacity sharing (MISO/SPP Joint Operating Agreement Section 5.2).
3. MISO will compensate SPP and Joint Parties for flows across North-South interface.
4. Hurdle rate will be removed from MISO's market.
5. Replaces the Operations Reliability Coordination Agreement (ORCA).
6. MISO and SPP will withdraw their respective complaints and SPP will withdraw the Service Agreement currently on file.
7. Creates an Operating Committee for ongoing management of agreement.

Mr. Zwergel reported that the initial term of the Settlement Agreement is from January 29, 2014 through January 31, 2021.

ERO Event Analysis Process Dashboard

Jule Tate, Senior Manager Event Analysis, briefed the OC on the metrics and data collected through the ERO Event Analysis Process from October 2010 to date (**Presentation 7.f**). The objectives of Mr. Tate's presentation were to provide a brief history of current ERO EA Process, identify what the NERC Events Analysis department is gaining from the ERO EA Process and provide a current status report. The EA Field Trial (Phase I) began in October 2010, while the Phase II field trial began in May 2011. There have been three versions of the ERO EA Process with Version 3 to be implemented on January 1, 2016.

Deliverables from the ERO EA Process include: 1) Lessons Learned, 2) Trending and Event Severity Risk Index (eSRI), 3) Training Opportunities, 4) Alerts and 5) Cause Coding and Trending. Mr. Tate informed the OC on the number of Lessons Learned published in 2014 and 2015 and the number of events categorized by the ERO EA Process since January 2011. He also identified the number of NERC alerts that have been issued from 2008 through 2015 (year-to-date).

Mr. Tate also highlighted the availability of events analysis related [Training Modules](#) and videos and event reports (e.g., Polar Vortex Review). He reviewed the ERO cause codes and trending of those cause codes, focusing the OC's attention on cause code A4 (Management/organization), which leads to approximately 20 percent of the total root cause determinations.

Reliability Guideline: RCs – BAs – TOPs Communication: Loss of Real-Time Reliability Tools Capability / Loss of Equipment Significantly Affecting ICCP Data

ORS Vice Chair Senkowicz briefed the committee on the development of the Reliability Guideline: RCs – BAs – TOPs Communication: Loss of Real-Time Reliability Tools Capability / Loss of Equipment Significantly Affecting ICCP Data. He noted that the ORS approved the Responses to the Comments received during the 45-day posting. In addition, the ORS approved a revised reliability guideline. Leonard Kula moved to approve the revised Reliability Guideline: RCs – BAs – TOPs Communication: Loss of Real-Time Reliability Tools Capability / Loss of Equipment Significantly Affecting ICCP Data. Following a brief discussion, the committee approved the motion.

BAL-001-2 (Field Trial Status Report)

Glenn Stephens, Chair of the BAL-001-2 Standard Drafting Team, provided an overview of the ongoing BAL-001-2 (BAAL) field trial (**Presentation 7.h**). To facilitate implementation of BAL-001-2, the SDT is proposing a transition in the field trial to:

1. Revise the BAAL calculation to recognize scheduled frequency consistent with the approved standard; and
2. Move to exception reporting for field trial participants.

The field trial was approved by the Standards Committee in June 2005. The industry approved BAL-001-2 in July 2013. FERC approved the standard in April 2015 and it becomes effective on July 1, 2016. However, the original equation for BAAL differed from the FERC approved BAAL equation. Mr. Stephens informed the RS of the proposed changes to the field trial at the RS's October 2015 meeting. The purpose of this presentation was to similarly inform the OC. He anticipates that the Standards Committee (SC) will approve modifying the field trial in January 2016. SC approval will be followed by an industry webinar on BAAL implementation. The field trial participant window for change will be from February 1, 2016 through June 30, 2016.

FERC Order 817 (Approving Transmission Operations Reliability Standards and Interconnection Reliability Operations and Coordination Reliability Standards)

Mark Olson, Standards Developer, provided an overview of [FERC Order 817](#) (Transmission Operations Reliability Standards and Interconnection Reliability Operations and Coordination Reliability Standards) (**Presentation 7.i**). Order 817 approved revised TOP and IRO standards from Project 2014-03 and those FERC approved standards become effective in 2017. However, in the final order FERC directed modifications to address some concerns raised in the June 2015 Notice of Proposed Rulemaking. Those directives include:

1. TOP monitoring of non-BES facilities

2. Redundancy and diverse routing of data exchange capabilities
3. Testing for data exchange capabilities used in primary control centers

Mr. Olson reported that it is expected that the Standards Committee will initiate a project to address Order 817 directives in early 2016.

Project 2009-02 (Real-time Reliability Monitoring and Analysis Capabilities)

Mark Olson, Standards Developer, provided a status report of [Project 2009-02](#) (Real-time Reliability Monitoring and Analysis Capabilities) (**Presentation 7.k**). The standard drafting team has drafted two reliability standards to meet the SAR objectives:

1. IRO-018-1 (applicable to reliability coordinators)
2. TOP-010-1 (applicable to transmission operators and balancing authorities)

IRO-018-1 contains two requirements which address 1) the quality of real-time data necessary to perform real-time monitoring and assessments and 2) the quality of analysis used in real-time assessments. In addition, there is a third requirement that addresses the use of an alarm process monitor that provides notification to system operators when a failure of its real-time monitoring alarm processor has occurred. TOP-010-1 contains similar requirements as IRO-018-1. The initial drafts of the proposed reliability standards were not approved by the ballot body. Therefore, following a review of the comments provided during the first comment and ballot period, the SDT developed a second draft of the proposed standards, which are currently posted for comment through January 25, 2016.

Work Plan Brainstorming Exercise

Chair Case stated that the purpose of the Work Plan Brainstorming Exercise is to aid the committee in its efforts to develop its 2016 work plan. The work plan should identify what the committee and its subcommittees need to focus on throughout 2016. Furthermore, the work plan should identify what the OC will address in 2016, when it is expected to complete each task and how the OC will accomplish the tasks. Vice Chair Linke suggested that a scorecard or dashboard could be developed from quarterly review of the work plan. At this juncture, the OC and its guests broke into four task teams to address the following major topical areas:

1. Team 1 – Situation Awareness
2. Team 2 – Guidelines
3. Team 3 – Development of Standards
4. Team 4 – Subcommittees

Each team was tasked with developing a presentation of its recommendations.

Adjourn and Reconvene

The committee adjourned at 5:10 p.m. EST and reconvened the following morning at 8:02 a.m. EST.

Work Plan Brainstorming Exercise (cont'd)

Each team provided a summary of its input into the OC's 2016 Work Plan development effort (**Exhibit F**). At the conclusion of the brainstorming exercise Chair Case noted that the work product of this exercise will be used by the OC Executive Committee and the OC's Subcommittee leadership to develop a draft 2016 work plan.

GridEx III After Action Status Report

Bill Lawrence, Senior Manager CIP Awareness, briefed the OC on the 2015 GridEx III Grid Security Exercise (**Presentation 7.d**). There were 208 active organizations participating in the exercise and 161 observing organizations. There were 4,227 registered simulation deck users. The Executive Tabletop participants included: Electricity Subsector Coordinating Council CEOs, White House, National Security Council, DOE, DHS, FEMA and other federal and state agencies. Mr. Lawrence reiterated that the purpose of the exercise program is to strengthen the industry's capability to respond to and recover from severe events.

Project 2010-14.2.1 (Phase 2 of Balancing Authority Reliability-based Controls – BAL-005, BAL-006 and FAC-001)

Jerry Rust, chair of the [Project 2010-14.2.1](#) Standard Drafting Team, provided an overview of the project's status (**Presentation 7.l**). Project 2010-14.2.1 addresses revisions to BAL-005, BAL-006 and FAC-001. He noted that one of the requirements in BAL-005 is proposed to be moved to FAC-001, while one of the requirements of BAL-006 is proposed to be moved to BAL-005. The SDT is also proposing to retire BAL-006.

Following Mr. Rust's presentation, Gerry Beckerle moved to approve the development of an Inadvertent Interchange Reliability Guideline and a Reporting ACE Reliability Guideline by the Project 2010-14.2.1 Standard Drafting Team and the Resources Subcommittee. The committee approved the motion.

[Project 2010-07.1 \(Vegetation Management\)](#)

Chair Case reported that FAC-003-3 is currently being balloted, therefore, in accordance with the Standards Process Manual, NERC staff cannot publicly comment of the proposed reliability standard. However, Chair Case reported that the OC has an open action item to review the [FAC-003-3 Minimum Vegetation Clearance Distances](#) report, dated August 4, 2015.

Project 2015-07 (Internal Communications Capabilities)

Sean Bodkin, Standards Developer, provided an overview of [Project 2015-07](#) (**Presentation 7.n**). COM-001 establishes Interpersonal Communication capabilities for applicable entities. Interpersonal Communication is defined as "Any medium that allows two or more individuals to interact, consult, or exchange information." In April 2015, FERC approved COM-001-2, but directed NERC to address:

1. Internal communication capabilities to the extent that such communication could involve the issuance or receipt of Operating Instructions or other communications that could have an impact on reliability, and

2. The adequacy of internal communications capability whenever internal communications could directly affect the reliable operation of the bulk power system.

The SDT has drafted a revised COM-001-3 reliability standard to address the FERC directives and the revised standard was posted for a 45-day comment period on September 25, 2015. COM-001-3 received an approximately 53% approval vote. The SDT reviewed the industry comments and modified the standard and is developing an extended outreach plan to communicate the responses to the major comment themes received from industry.

Project 2010-14.2.2 (Phase 2 of Balancing Authority Reliability-based Controls – BAL-004-2)

Glenn Stephens, vice chair of the [Project 2010-14.2.2](#) Standard Drafting Team, provided an overview of an effort to retire reliability standard BAL-004-2 (Time Error Correction) (**Presentation 7.o**). The initial ballot to retire BAL-004-0 was approved. In addition, the SDT developed and posted for a 45-day comment period an implementation plan and White Paper on September 24, 2015. The SDT will now 1) reach out to non-power industry participants and 2) request that NAESB retire WEQ-006. NERC will file to request FERC approval for retirement of BAL-004-0, while emphasizing that the proposal for retirement of BAL-004-0 is contingent upon simultaneous retirement of NAESB WEQ-006.

Maintaining Transmission Line Ratings Consistent with As-built Conditions – Good Utility Practices

Steven Masse, Senior Engineer, briefed the OC on a NERC Reliability Assurance project that addressed good utility practices for maintaining transmission line ratings consistent with as-built conditions (**Presentation 7.x**). The Facility Ratings Alert was issued in October 2010 and any discrepancies in facility ratings were to be remediated as quickly as practical consistent with reliability. The right-of-way assurance project included validation site visits to assure that entities with significant high priority line discrepancies have completed remediation. In addition, the project provided for industry sharing of methods and cost-effective programs developed to sustain adequate conductor clearances consistent with facility ratings. The project results were presented in a report titled [Maintaining Transmission Line Ratings Consistent with As-built Conditions - Good Utility Practices](#), dated December 2015. Remediation techniques included 1) facility de-rating, 2) relocation of distribution, 3) re-sagging of conductor, 4) modification of transmission line structures and 5) removing objects or regrading ground in right-of-way. The project identified the following good utility practices: 1) As-built verification, 2) ROW encroachments, 3) periodic line patrols, 4) clearance buffers, 5) corporate management of ROW clearances and line ratings issues and 6) survey frequency.

Interconnection Frequency Response Initiative

Troy Blalock, vice chair of the Resources Subcommittee, provided a status report of the Interconnection Frequency Response Initiative (**Presentation 7.p**). Identified issues include improper dead band setting with the generator governor and lack of coordination between the turbine, plant controls, or any other outer loop control. Mr. Blalock stated that the National Association of Regulatory Utility Commissioners passed a Resolution titled *Resolution Urging Generators to Take Corrective Action and Implement Primary Frequency Response* at its November 2015 Annual Meeting.

Mr. Blalock noted that the RS passed a motion stating that the RS supports the efforts of NERC and FERC Staff to modify the LGIA and the SGIA pro forma tariffs to incorporate primary frequency response according to the draft Reliability Guideline: Primary Frequency Control. The current FERC pro forma LGIA and SGIA are virtually silent on requiring a working governor and in regards to the governor's settings. With regard to the existing generator fleet, every BES generator should have a working governor and be set in accordance with the frequency response guideline for system reliability and system restoration. He noted that the RS seeks OC guidance on how to address the existing generation fleet to insure working governors. Dr. James Merlo, Senior Director – Reliability Risk Management, reported that NERC will be developing a plan to address the existing generation fleet and that the plan should be completed in the first quarter of 2016.

Reliability Guideline: Primary Frequency Response

Troy Blalock provided an overview of the revised Reliability Guideline: Primary Frequency Response and the proposed response to comments (**Presentation 7.q**). Todd Lucas moved to approve the Reliability Guideline: Primary Frequency Control. The committee approved the motion.

2015 Long-Term Reliability Assessment

David Calderon, Engineer of Reliability Performance Analysis, provided an overview of the 2015 Long-Term Reliability Assessment (**Presentation 7.r**). Findings presented in the reliability assessment include:

1. Reserve margins in all Assessment Areas appear sufficient but continue to trend downward.
2. NERC continues its Reliability Assessment of the Clean Power Plan and other environmental rules.
3. Operators and planners face uncertainty with increased levels of distributed energy resources and new technologies.
4. A change in resource mix requires additional measures and approaches for assessing future reliability.

Chair Case tasked Sammy Roberts, Leonard Kula and Kevin Conway with reviewing the 2015 LTRA to identify the need to develop potential operational guidelines. He requested that this task be completed by the second week of January such that the task team's work product can be factored into the development of the OC's 2016 work plan. In addition, Mr. Calderon stated that he would be soliciting the OC for volunteers to serve on the Distributed Energy Resources Task Force.

2015 Frequency Response Annual Analysis – Phase II – Report on Frequency Response Performance

Bob Cummings, Senior Director of Engineering and Reliability Initiatives, informed the OC that a report on Frequency Response Performance was not developed due to the discovery of many data discrepancies. NERC has decided to file the Frequency Response Annual Analysis report, which the OC approved at its September 2015 meeting with FERC, without the companion performance report. (Secretary's Note: NERC filed the FRAA report with FERC on December 16, 2015.)

IVGTF Recommendations for Operating Technical Guidelines

Chair Case noted that the OC Executive Committee reviewed the IVGTF recommendations and developed draft responses. The responses will be shared with NERC Staff.

Topic-Based Reliability Assessment

Vice Chair Linke reviewed the Topic-Based Reliability Assessment discussion paper and noted that the operating environment in the first 12-months would be assessed. The Planning Committee's Reliability Assessment Subcommittee would discontinue the annual summer and winter seasonal assessments, although, the data that supports these assessments would continue to be collected. Chair Case noted that the OC would not be forming a new subcommittee to manage and coordinate the development of this work product. Rather, the RAS will continue to take the lead in this new effort. He also reported that he assigned two OC members to be OC liaisons to the RAS, although the RAS scope is being changed to allow the addition of more OC members to the subcommittee. Chair Case also suggested that the OC should receive regular status reports from the RAS.

Time Monitoring and Geomagnetic Disturbance Reference Documents

ORS Vice Chair Senkowicz provided an overview of the revised Time Monitoring Reference Document and the revised Geomagnetic Disturbance Reference Document. Jerry Rust moved to approve the revised Time Monitoring Reference Document and the revised Geomagnetic Disturbance Reference Document. The committee approved the motion. Vice Chair Senkowicz reported that the PJM Reliability Coordinator will be replacing the NYISO RC as the Eastern Interconnection Time Monitor on February 1, 2016. The PJM RC will also become the Eastern Interconnection GMD Monitor on February 1, 2016.

Next Meeting

The next meeting of the Operating Committee will be on March 8–9, 2016 in Louisville, Kentucky.

Adjourn

There being no further business before the Operating Committee, Chair Case adjourned the meeting on Wednesday, December 16, 2015 at 11:45 a.m. EST.

Larry Kezele

Larry Kezele
Secretary