

Minutes of the Meeting

Q1 2024 RSSC: Meeting #60

Meeting date: 03/14/2024
Meeting time: 09:30 a.m.
Meeting location: IESO Adelaide / MS Teams

Chair/Sponsor: Scott Berry/Devon Huber
Scribe: Pirouz Honarmand

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Abbas Munir	Bruce Power	Teleconference - MS Teams
Adam Burlock	Transalta	Teleconference - MS Teams
Aditya Menon	Hydro One	IESO - Adeliade
Ahmad khan	Atura Power	IESO - Adeliade
Ajayi Tobi	OPG	Teleconference - MS Teams
Alain Mukama	Hydro One	Teleconference - MS Teams
Alex Zbarcea	Hydro One	Teleconference - MS Teams
Amelie Morissette	Evolugen	Teleconference - MS Teams
Andrea lemhenyi	Hydro One	Teleconference - MS Teams
Andrew Burmaster	Evolugen	Teleconference - MS Teams
Ashley Scheelar	Transalta	Teleconference - MS Teams
Catherine Ethier	OEB	IESO - Adeliade
Clark mcclocklin	Northland power	Teleconference - MS Teams
Colin Elwood	Bruce Power	Teleconference - MS Teams

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Constantin Chitescu	OPG	IESO - Adeliade
Cristian Dragnea	IESO	Teleconference - MS Teams
David Kwan	OPG	IESO - Adeliade
Devon Huber	IESO	IESO - Adeliade
Emma Halilovic	Hydro One	Teleconference - MS Teams
Gwen Nam	Capital Power	Teleconference - MS Teams
Hassan Vahed Kalanesh	hydro One	Teleconference - MS Teams
Hassib El Murdea	OPG	Teleconference - MS Teams
Jacinda Belisle	Evolugen	Teleconference - MS Teams
Jag Bhal	IESO	Teleconference - MS Teams
James Locke	NAES Canada	Teleconference - MS Teams
Joel Charlebois	aesi-inc	Teleconference - MS Teams
Josstina Beshay	IESO	Teleconference - MS Teams
Kamyar Ghaderi	IESO	IESO - Adeliade
Karen Demos	FPL	Teleconference - MS Teams
Keven Van Velezen	BBA	Teleconference - MS Teams
Kia barkhordari	Hydro One	Teleconference - MS Teams
Kurtis Chong	IESO	IESO - Adeliade
Mark Townsend	Hydro One	Teleconference - MS Teams
Megan Melham	Capital Power	Teleconference - MS Teams
Mernaz Malozewski	Guidehouse	IESO - Adeliade
Monica Adam	IESO	Teleconference - MS Teams

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Murxmur Ola	Hydro One	Teleconference - MS Teams
Norm Dang	IESO	Teleconference - MS Teams
Oshara narangoda	Hydro One	Teleconference - MS Teams
Pirouz Honarmand	IESO	IESO - Adeliade
Saad Ansari	IESO	Teleconference - MS Teams
Sarraa Garada	IESO	IESO - Adeliade
Scott Berry	IESO	IESO - Adeliade
Steven Pichette	NAES Canada	Teleconference - MS Teams
Sylvain Moore	Boralex	Teleconference - MS Teams
Tabasum Bandey	Bruce Power	Teleconference - MS Teams
Tahmilur tanim	IESO	IESO - Adeliade

Agenda Item 1: Welcome and Introductions

Scott Berry kicked off the 60th RSSC meeting at 9:30 AM, welcoming participants. He provided the house-keeping items including the fire evacuation process at IESO's 16th floor. Scott then introduced Sarraa Garada and Pirouz Honarmand the new members of IESO's Compliance Assurance team. Scott then shared a safety message about Ergonomic Assessment and the need to doing it properly and the importance of involvement of a professional in conducting the assessment.

Agenda Item 2: Administrative Items

Scott started the opening remarks and then moved to reviewing the agenda for the 60th RSSC meeting. Scott asked if anybody have an agenda item they wish to add and with Constantin remark about a new standard involving Ultra Frequency Load Shedding, an item added for Constantin to brief RSSC members on this new standard development. Then the agenda was adopted as constructed.

Scott then reviewed Q3 2023 RSSC meeting's minutes and the Meeting Minute was adopted as final.

Scott also mentioned that action items from the previous meeting will be discussed during the course of this RSSC meeting.

Agenda Item 3: CIP standards Development Update

Norm Dang delivered the CIP Standards Development Update (Refer to details in the meeting materials package)

Active NERC standard drafting teams (SDTs)

Project 2016-02 Modifications to CIP Standards

Project 2020-04 Modifications to CIP-012

Project 2021-03 SDT Transmission Owner Control Centers (TOCC), CIP-002/CIP-014

Project 2022-05 SDT CIP-008 Reporting Threshold

Project 2023-03 Internal Network Security Monitoring

Project 2023-04 Modifications to CIP-003

Project 2023-06 CIP-014 Risk Assessment Refinement

Project 2023-09 Risk Management for Third-party Cloud Services

New CIP Requirements

CIP-004-7 and CIP-011-3 Bulk Electric System (BES) Cyber System Information (BCSI) in the Cloud changes come into effect on April 1, 2024 (Ontario) (Jan 1, 2024 US)

CIP-003-9 Vendor Electronic Remote Access Controls for Low Impact BCS comes into effect July 1, 2026 (Ontario) (US = April 1, 2026)

CIP Standards Sub committee (CSSC)

Current issues with draft Implementation Guidance (IG) proposed by SDTs were discussed by Norm. NERC has suggested that IG be proposed, vetted and then maintained (on a yearly basis) by pre-qualified organizations. As changes to CIP Standards are approved, SDTs should suggest topics where ongoing IG will be needed.

CIP Standards Sub-Committee Updates

The details about the incoming meetings was provided by Norm.

Meeting 13 – Scheduled for April 3 (hybrid)

- IESO Control Room presentation

Market Manual 7.1 Update for Cyber Event Reporting

The update for Market Manual 7.1 Section 6 / Appendix C was provided by Norm.

Kurtis inquired about the implementation plan for CIP-004-7 and CIP-011-3, to which Norm explained its flexible nature spanning three years, with the option for entities to expedite adoption every six months with regulatory approval. Kurtis further asked about the notice requirement for early adoption, with Norm confirming that entities must provide notice of readiness and clarifying the repercussions if an entity rescinds readiness after notice. David Kwan from OPG inquired about conversions from serial to IP for telemetry data, with Norm indicating that attestation is required for device connectivity and confirming outreach efforts to market participants. Alan Mukama from Hydro

One raised a question regarding CIP-008 and market participants' obligations, to which Norm directed attendees to consult Market Manual 7.1 for relevant information.

Agenda Item 4: MACD Update (Self Certifications, compliance assessments)

Monica Adam delivered the MACD Update.

Statistics:

- 44 self-certification requests were issued, 19 for O&P standards, 25 for CIP standards

Lessons Learned - FAC-008-3:

- Ensure inclusion of revenue metering current transformers (CTs).
- Update facility ratings and equipment info.

Lessons Learned - PRC-005-6:

- Implement according to Ontario Enforcement Dates.
- Improve correlation of evidence to maintenance activities.

Self-Certification (SC) Program:

- Self-certifications to be issued by March 2024.
- Notification via Reliability Compliance Tool.

Evidence Submission:

- Submit completed RSAWs in MS Word.
- Attach compliance evidence.
- Fill out ERT data and PRC-005-6 worksheet.

PRC-005-6 Evidence Submission:

- MACD follow-up request based on sample provided.

David Kwan asked if MACD will be issuing more SCs in addition to the ones that were to be issued in March. Monica mentioned that MACD may do a survey for PRC-012-2 applicability in the future, however, this is not yet finalized. Hassib El Murdea asked a question about FAC-008-3, related to Revenue Metering CTs and enquired if MACD can provide a list of equipment to be considered for facility ratings. Monica and Cristian Dragnea advised to consult with NERC documentations for this standard. Constantin asked if only the serial path is included and Cristian answered that all the equipment that affect the facility rating should be included.

Agenda Item 5: Emergency Preparedness Update

Saad Ansari delivered the Emergency Preparedness Update.

Saad provided updates on Market Manual (MM) 7.8: Ontario Power System Restoration Plan (OPSRP) and the Ontario Power System Restoration Workshops scheduled for 2024.

Saad noted that the latest version of the OPSRP was published in December 2023, which primarily included administrative updates and an update to some blackstart facility data in the table within Section 8. Saad advised that the review cycle for the 2024 update will commence in Late-Spring / Early-Summer 2024, and that an OPSRP Review Working Group (consisting of key Market Participants) will be established in the event that significant updates are planned for the OPSRP.

Aditya queried about the tentative date for publishing of the next version of the OPSRP; Saad advised that the target publish date is mid-December 2024. Constantin enquired about the Basic Minimum Power System (BMPS) to be established for Directory 8; Saad advised that the OPSRP contains commentary on the BMPS, and that updates in 2024 will target further clarity and emphasis of the BMPS.

Saad noted that the first restoration workshop of 2024 was conducted in London, Ontario on March 7, and highlighted the remaining schedule of workshops in 2024. Saad indicated that the number of in-person workshops planned for 2024 (5) is an increase from the 3 in-person workshops delivered in 2023, and also noted that a virtual restoration workshop will be delivered in late November / early December for those unable to participate in-person.

Agenda Item 6: O&P Standards Development

Scott Berry delivered the O&P Standards Development update.

(Refer to details in the meeting materials package)

EOP-004 IBR Event Reporting

Status:

- Comment period and ballot for draft 2 due March 27, 2024

Revisions of Draft 1:

- Addition of two thresholds for reporting
 - IBR generation loss > 500MW
 - Loss of DC Tie Line loaded > 500MW

Revisions of Draft 2:

- Non-substantive

Obligation of new reporting is only for the Balancing Authority IBR generation includes solar photovoltaic, Type 3 and Type 4 wind, and battery energy storage.

Verifications of Models and Data for Generators

Status:

- Comment and ballot for Draft 2 of Inverter-based Resource Definitions due April 8, 2024

Background:

- The proposed definitions are intended to be used in MOD-026-2 and other inverter-based resource related standards.

EOP-012-2 Extreme Cold Weather Preparedness and Operations

Status:

- Final ballot concluded February 9, 2024
- Filed for regulatory approval/ OEB review process ends by July 2, 2024.

Implementation Plan:

- Posted on IESO webpage: <https://www.ieso.ca/Sector-Participants/System-Reliability/Enforcement-Dates>
- Will be updated upon approval

Constantin raised a point about revising the publication date for EOP-012-2. An action was assigned to Helen to provide an update regarding the revised date.

BAL-007-1 - Energy Assurance with Energy-Constrained Resources - Operations Planning Horizon

Status:

- Comments and ballot for Draft 1 due March 11, 2024.

Agenda Item 7: NERC Standards Implementation Roadmap

Sarraa Garada delivered the NERC Standards Implementation Roadmap.

Sarraa gave a brief overview of the Ontario Effective Dates for Reliability Standards. Refer to the details in the meeting materials package.

Agenda Item 8: Lessons Learned and NERC Alerts

Pirouz Honarmand delivered the Lessons Learned and NERC Alerts published by NERC since the last RSSC meeting.

NERC posted 5 lessons learned since the last RSSC meeting. Refer to the details in the meeting materials package.

Lessons learned

- Loss of Monitoring due to a "Half Failed" High Availability Switch Pair
- Abnormal Area Control Error due to a Model Translation Error
- Loss of Communication to Transmission Substations
- Wind Turbine Generation Loss due to Unexpected and Insufficient Ride-through Performance
- Protective Relay Solid-State Output Contact Voltage Leakage

Agenda Item 9: Additional items

Pirouz Honarmand provided an update on the changes to Under Frequency Load Shedding's (UFLS) Form 1719.

Pirouz provided the updates on S2 – Questionnaire and S4 – Automatic UFLS Data, Summary of UFLS Tripping and S4 – Automatic UFLS Data, Part 6- Progress Reporting.

The Next Steps:

- This document will be posted on the Pending Changes – Documents page. IESO invites market participants to review the updated document and provide feedback regarding document revisions; From April 10 - 26, 2024
- The next set of market documents, Baseline 52.0, will be updated and published on June 5, 2024.
- We plan to use the revised form 1719 for UFLS survey on July 16, 2024.

Aditya inquired about the publication of the revised form. Scott mentioned it would be published on the Baseline process. David asked about the nature of changes. Kurtis explained the aim is to make the form less ambiguous and encouraged market participants to raise any potential concerns to the Baseline process.

Constantin Chitescu provided an update on PRC-006-NPCC-3

Constantin updated the meeting on the activities of the Standard Drafting Team and shared valuable technical information e.g., about tripping settings, protection vs protective relays and protections setting standard vs protection performance.

Agenda Item 10: Closing Remarks and Round Table

Catherine asked about ISO's plan for inverter-based resources (IBR) registration, specifically the definition of BES. Kurtis suggested discussing it further in the next RSSC meeting.

Adjournment

Scott thanked participants and presenters and the meeting adjourned at 12:14 PM.

Action Items at Completion of 2024 RSSC Q1 Meeting

ID	Date	Assignee	Action	Status	Comments
Q2-2023-01	2023-05-16	Norm	To check if CIP contacts can be added to IESO portal	Open	
Q1-2024-01	2024-03-14	Helen	To provide Explanation on OEB Review Process start date for EOP-012-2	Open	