

Minutes of the Meeting

Q3 2023 RSSC: Meeting #59

Meeting date: 09/14/2023
Meeting time: 09:30 a.m.
Meeting location: IESO Adelaide / MS Teams

Chair/Sponsor: Helen Lainis/Devon Huber
Scribe: Harish Vijay Kumar

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Hassan Vahed Kalankesh	Hydro One	Teleconference - MS Teams
Nicola Presutti	IESO	Teleconference - MS Teams
Blake Huddleston	Engie	Teleconference - MS Teams
Helen Lainis	IESO	IESO - Adelaide
Harish Vijay Kumar	IESO	IESO - Adelaide
Monica Adam	IESO	Teleconference - MS Teams
Constantin Chitescu	OPG	IESO - Adelaide
Kurtis Chong	IESO	IESO - Adelaide
Jesse Rocca	IESO	IESO - Adelaide
Ijad Dewan	Hydro One	Teleconference - MS Teams
Emma Halilovic	Hydro One	IESO - Adelaide
Aditya Menon	IESO	Teleconference - MS Teams
Desderius Ngunangwa	Bruce Power	Teleconference - MS Teams
Catherine Ethier	OEB	IESO - Adelaide

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Kamyar Ghaderi	IESO	IESO - Adelaide
Ola Murxmur	Hydro One	Teleconference - MS Teams
Norm Dang	IESO	Teleconference - MS Teams
Abbas Munir	Bruce Power	IESO - Adelaide
Ashley Scheelar	Transalta	Teleconference - MS Teams
Tobi Ajayi	OPG	Teleconference - MS Teams
Mark Townsend	Hydro One	Teleconference - MS Teams
Colin Elwood	Bruce Power	Teleconference - MS Teams
Bendong Sun	Bruce Power	IESO - Adelaide
Mernaz Malozewski	Guidehouse	Teleconference - MS Teams
David Dunn	IESO	Teleconference - MS Teams
Hassib El murdea	OPG	Teleconference - MS Teams
Kevin Samuel	FPL	Teleconference - MS Teams
Tahmilur Tanim	IESO	IESO - Adelaide
David Kwan	OPG	Teleconference - MS Teams
Kyle Smyth	Northland Power	Teleconference - MS Teams
Devon Huber	IESO	Teleconference - MS Teams
Alex Zbarcea	Hydro One	IESO - Adelaide
Sylvain Moore	Boralex	Teleconference - MS Teams
Prithvi (Shawn) Nandy	Transalta	Teleconference - MS Teams
Sanju Samuel	Transalta	Teleconference - MS Teams

Agenda Item 1: Welcome and Introductions

Helen Lainis kicked off the 59th RSSC meeting at 9:37 AM, welcoming participants. Helen requested the RSSC participants at Adelaide to introduce themselves. Helen then shared a safety message about situational awareness and Bee/Wasp stings.

Agenda Item 2: Administrative Items

The agenda for the 59th RSSC meeting was reviewed by Helen Lainis. Constantin moved to adopt the agenda and the agenda was adopted as constructed.

The minutes of the previous RSSC meeting (58th) were reviewed. Constantin and Catherine moved to adopt the meeting minutes; these were adopted as drafted.

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

Agenda Item 3: OPSRP Update

Harish delivered the OPSRP Update

Power system Restoration workshop update

- A recap of the first two workshops of 2023 was provided in the Q2 meeting.
- The next workshop will take place in-person in Sault Ste. Marie on October 5th, 2023. The last workshop of 2023 will be held virtually on November 22nd.
- The EP team is looking into dates and venues for hosting workshops in 2024; the aim will be to host our first in-person workshop in 2024 in the Southwest region, given that we did not conduct a workshop there in 2023. This will be followed by workshops in the East region, Central region, and Northern region. We are likely going to host a workshop in Kincardine once again in 2024.

OPSRP Review update

- The IESO is in the midst of completing its Restoration Paths Study, which is required once every five years; and so this study will inform any significant updates to the OPSRP.
- At this time, preliminary review and the indication from our engineers working on the Restoration Paths Study is that there will be no changes to the restoration paths and, therefore, no updates of significance in 2023; any updates will likely be administrative.

Agenda Item 4: CIP standards Development Update

Norm Dang delivered the CIP Standards Development Update

Active NERC SDTs

Project 2016-02 CIP Mods SDT - made changes to CIP-002 and CIP-013.

- Issue of Draft 5 of CIP-005-8 and CIP-010-5 in late Sept.

Project 2020-04 CIP-012-2 Mods SDT - proposed changes to CIP-012.

- Next draft to be issued in Sept.

Project 2021-03 SDT TOCC – made changes to CIP-002/CIP-014

- splitting into 2 separate groups A/B under the same SDT.
- One group will address TOCC/ IROL and the other group will address additional CIP Definitions.
- SAR comment period closed Aug 18

Project 2022-05 – made changes to CIP-008, Reporting threshold

- SAR accepted July 19 on trying to define “attempts to compromise” for cyber security incidents.

Project 2023-03 - Internal Network Security Monitoring

- SAR Drafting Team will transition to SDT.
- A separate study - NERC 1600 Data Request issued for Low impact and remaining Medium impact BES Cyber Systems submissions closed July 24

Project 2023-04 - Modifications to CIP-003 SAR

- Modifications to CIP-003 SAR approved July 27 to add controls to authenticate remote users, protect the authentication information in transit, and detect malicious communications assets containing low impact BES Cyber Systems with external routable connectivity.

Project 2023-06 - Modifications to CIP-014 - Risk Assessment Refinement

- This project revises CIP-014-3 to assure adequate and consistent approach in evaluating instability as well as the identification of infrastructure critical to the operation of the BPS.

New CIP Requirements

CIP-004-7 and CIP-011-3 – BES cybersecurity information (BCSI) in the cloud: New versions come into effect on April 1, 2024 (Note – early adoption is allowed to take advantage of these changes)

CIP-003-9 Vendor electronic remote access controls for Low Impact BES Cyber systems(BCS) comes into effect April 1, 2026

CIP Standards Sub committee (CSSC)

- Inactive since Nov 25, 2021
- Reinstate CSCC or use other formats such as a newsletter
- Some entities have updated their CIP SME contact information (Please send updates to CIP Regulations mailbox : CIPregulations@ieso.ca)

- Move CIP SME contact information into MP Portal – currently under investigation
- Next steps – request to be sent to CIP SME contacts on possible methods for collaboration

Alex from Hydro One enquired about the general attitude towards the industry in moving toward cloud infrastructure and Norm mentioned that about the recent SAR for the standard where data storage in cloud is being looked at. This standard will allow cloud integration for distribution side resources. Now that a lot of data is being utilized by industries, this standard allows entities to use cloud for data storage and pull only the data required to carry out analysis.

Kurtis enquired about a lot of activity in the standards development on CIP side and asked what are the overarching drivers, Norm mentioned these are generally due to the change in technology, advancement in applications and changes in cyber side.

Agenda Item 5: O&P Standards Development

Helen Lainis delivered the O&P Standards Development update.

Project 2023-01, IBR Event reporting

Comment period and ballot for draft 1 due September 11, 2023

Project scope:

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

Project 2023-05, Modifications to FAC-001-4 Applicability of DP for Facility Ratings and FAC-002-4 – DER Studies in NERC FAC -002-4 Standard for T-D Interfaces:

Comment period for Standard Authorization Requests concluded September 7, 2023

Project scope:

FAC-001-4:

- Include Distribution Provider (DPs) in the “Applicability” section and
- Update the requirements to require DPs to make available their interconnection procedures for DERs.

FAC-002-4:

- Require the Transmission Planner (TP) and Planning Coordinator (PC) to study aggregate distribution-connected generation (i.e., DERs).
- These revisions should include the study of the reliability impact of the interconnection of
 - new generation or electricity end-user Facilities as well as
 - existing interconnections of generation or electricity end-user Facilities making a “qualified change” under Requirement R6.
- The study should address aggregate DER at the transmission to distribution interface.
- The TP should be part of the definition of “qualified change” for these particular studies.
- This project does not address studies for impact on the distribution system (performed by the DP).

Project 2021-08 - Modifications to FAC-008-5 – Facility Ratings

Comment period and ballot for Draft 1 is due October 19, 2023

Below are the recommended changes to the standard.

- Provide clarification around the phrase “jointly owned” and the level of individual component ratings that are required to be shared with the other entity – to eliminate any gaps or conflicts between interconnecting entities.

Project 2022-02, Modifications to TPL-001-5.1

Comment period for Standard Authorization Request (SAR) is due September 27, 2023

Below are the Project scope.

- Modify long-term planning requirement(s) for extreme heat and cold weather events: development of benchmark planning cases based on major prior extreme heat and cold weather events and/or meteorological projections;
- planning for extreme heat and cold weather events using steady state and transient stability analyses expanded to cover a range of extreme weather scenarios including the expected resource mix's availability during extreme heat and cold weather conditions, and including the wide-area impacts of extreme heat and cold weather; and
- development of corrective action plans that mitigate any instances where performance requirements for extreme heat and cold weather events are not met

Constantin enquired about how MACD will consider enforcement for new standards particularly with respect to facility rating. Constantin mentioned that the changes to mechanical equipment are not considered as the most limiting factor rating. He referenced examples of pump oil vibration which can take system offline without reaching the thermal rating. Joel from AESI mentioned that mechanical limits are considered in the Maximum capacity rating and this won't be an issue with system operation limits.

Alex enquired if the schedule for compliance activities for 2024 are ready. Monica mentioned that it will hopefully be available by end of this year.

Kurtis enquired if the PRC-005 is a standard template or if it is specific for each entity. Monica mentioned that it is specific for each entity as there will be some specificity and requirements to produce evidence within a specific time period for each entity.

Agenda Item 6: NERC Standards Implementation Roadmap

Helen Lainis delivered the NERC Standards Implementation Roadmap

Helen gave a brief overview of the updated standards roadmap. Helen indicated that the AODA compliant version of the roadmap will be posted online for the participants after the meeting.

Agenda Item 7: MACD Update (Self Certifications, compliance assessments)

Monica Adam delivered the MACD Update.

Monica provided the 2023 CMP update. Majority of O&P self-certification reviews are complete, there will be no more additional requests for information from MACD. Currently the CIP SC RFIs and assessments are underway.

Monica also provided some important information of Good practice with Self-Certification Evidence submission which are mentioned below.

- Attach evidence of compliance (e.g., Documented policies, procedures and plans, maintenance reports etc.) with the self certification evidence submissions.
- Crosscheck the narrative and/or the RSAW with the referenced documents; ensure that all documents referenced are provided.
- Keep records as evidence for all activities/requirements for compliance;
- Get familiar with the ERT tool as it will help with future audits and Self certifications.
- Consider designing the maintenance records to specifically address all maintenance activities in the PRC-005 tables. Reviewers spent considerable time to look for each maintenance activity and had to follow up with RFIs, which can be avoided if the evidence is presented in a manner that makes checking for compliance easier.

PRC-005-6 Self certification – good practice

- When protective relays are sampled and the request is to provide the evidence of compliance for all associated components (DC Supply, communications, CTs and PTs, control circuitry, alarm paths), ensure that this is provided in a clear manner;
- Ensure the evidence is clearly correlated to the maintenance activities in the PRC-005-6 tables. The reviewers had to search through a large volume of testing and commissioning

reports to determine if the maintenance activities were completed. Specific references to page numbers, test reports, inspection records etc. would be useful;

- Clearly identify where monitoring/alarming is used to extend maintenance intervals. Where is used, provide evidence in support of the maintenance activities in Table 2 without an evidence request.

FAC-008-5

- Identify all equipment comprising the facilities with their ratings.
- Perform a field verification of the facilities to ensure the facility rating information is complete.
- Implement controls that ensure facility ratings are updated when changes are made to equipment.

NUC-001-4

- NPIRs to be clearly stated and compile in a single document; otherwise it is difficult to ensure compliance with the requirements relating to NPIRs (changes, studies, outages, etc.)

Agenda Item 8: Lessons Learned and NERC Alerts

Harish Vijay Kumar delivered the Lessons Learned and NERC Alerts published by NERC since the last RSSC meeting. NERC posted one lessons learned and one NERC Alert since the last RSSC meeting.

Lessons learned

- Weathering the storm – System Hardening

NERC Alerts

- Cold Weather preparations for Extreme Weather events III

Agenda Item 10: Additional items

Tahmilur Tanim provided an update on the Protection misoperation data submissions

Tahmilur provided the email address where the data should be provided, protectionmisoperation@ieso.ca, He also provided the last date for submission which is November 10th, 2023.

Tahmilur also gave an update and instruction for entities that are reporting to NERC directly. Entities reporting to NERC should continue to do so, additionally they should forward their submission to the IESO protection misoperation email address.

Agenda Item 11: Closing Remarks

Helen Lainis invited Market Participants to share within next month, topics of their interest which they would like to discuss at the next RSSC meeting.

Adjournment

The IESO will issue MS Teams invitations for meeting #3 of 2023, which will be held on September 14th. This will be in a hybrid format.

The meeting adjourned at 11:39 AM.

Action Items at Completion of 2023 RSSC Q2 Meeting

ID	Date	Assignee	Action	Status	Comments
Q2-2023-01	16/05/2023	Norm	To check if CIP contacts can be added to IESO portal	Open	