

Reliability Standards Standing Committee (RSSC)

Minutes of Meeting #34

June 28th, 2016 | 9:30 AM – 3:00 PM | IESO's meeting room, rm 1805 18th Floor, 120 Adelaide St. W., Toronto

Attendance

Participant Name	Company Name	Attendance Status
Abbas Munir	Bruce Power	Present (on the phone)
Andrew Burmaster	Brookfield Renewable Power	Present (on the phone)
Ben Li	IESO	Present
Cristian Dragnea	MACD	Present (on the phone)
Dave Kwan	OPG	Present (on the phone)
David Kiguel	<i>Observer</i>	Present
David Ramkalawan	OPG	Present
Esia Giaouris	Hydro One	Present
Gordon Bartels	Transcanada	Present (on the phone)
Hajar Kacem	Transalta	Present (on the phone)
Helen Lainis	IESO	Present
James Cook	Great Lakes Power (Transmission)	Present (on the phone)
Jay Jayaraman	Enbridge	Present (on the phone)
Jian Zhang	Transalta	Present (on the phone)
John Falsey	St. Clair Power, L.P.	Present (on the phone)
Jon Veldhuizen	Northland Power Inc.	Present
Juri Baroskov	Goreway Power Station	Present (on the phone)
Karen Demos	NextEra	Present (on the phone)
Khaqan Khan	IESO	Present
Laurie Reid	Ontario Energy Board	Present
Luis Zaragoza	Pattern Energy	Present (on the phone)
Mike Yealland	MYCON Inc.	Present
Nimesh Shah	Goreway Power Station	Present (on the phone)
Paul Malozewski	Hydro One	Present
Paul Whitehead	Bruce Power	Present
Ralph Kothe	Bruce Power	Present
Ron J. Falsetti	AESI	Present
Scott Berry	IESO	Present
Shahid Khan	Northland Power Inc.	Present (on the phone)
Soon Chua	Portlands Energy Centre	Present
Steve Dale	GLP Transmission	Present
Vlad Stanisic	TransCanada	Present
<u>Scribe:</u> Griselda Matos, rssc@ieso.ca : Please report any		

corrections, additions or deletions to scribe.	

All meeting materials are available on the IESO's RSSC webpage at:
<http://www.ieso.ca/Pages/Participate/Stakeholder-Engagement/Standing-Committee/Reliability-Standards-Standing-Committee.aspx>

References:

IESO MACD page: <http://www.ieso.ca/Pages/Participate/Market-Oversight/Compliance-Enforcement.aspx>

IESO Reliability Standards Compliance page: <http://www.ieso.ca/Pages/Participate/Reliability-Requirements/Reliability-Standards-Compliance.aspx>

NERC Standards page: <http://www.nerc.com/page.php?cid=2>

NPCC Regional Standards/Criteria page: <https://www.npcc.org/Standards/default.aspx>

FERC Electric page: <http://www.ferc.gov/industries/electric.asp>

Action Item Summary as of the 34 th Meeting			
#	Date	Action	Status
1	April 4	<i>IESO to provide contact information in control of Compliance function.</i>	<i>Complete</i>
2	April 4	<i>IESO to draft a process for reporting of protection system misoperations.</i>	<i>Complete</i>
3	April 4	<i>Hydro One to provide comments on TPL-001-4 SAR</i>	<i>Complete</i>

1. Welcome and Introductions

The thirty-fourth RSSC meeting commenced at 9:30 a.m. with brief introductions by each participant.

2. Administrative Issues

- a) The agenda for the meeting was reviewed and no new agenda items were added but it was asked to move item 7c to after lunch.
- b) The minutes of the last (thirty three) RSSC meeting were reviewed page by page. No major concerns were raised. *D. Kwan* noted minor changes regarding being present. *L. Reid* noted some minor changes to page 4 and page 9. Motions to adopt the meeting minutes as final were made by *L. Reid and D. Kwan*.
- c) Updates on the open action item were provided as follows:
 - *The IESO will inform market participants by beginning of next week regarding PRC-023. Generators are to stay tuned as there will be a list of anything impactful identified.*
- d) RSSC Roster updates: Changes to the members of the RSSC distribution list have been made.

3. CIP Low Impact Entities Obligations

S. Berry delivered a NPCC presentation regarding CIP Low Impact Entities Obligations. *C Dragnea* pointed out that market participants can contact MACD for guidance. There was a discussion over the identification of senior manager no longer requiring a title and what documentation would be needed to be in place for someone that is not appointed. *S. Berry* suggested that the delegation would have to be initiated by the CIP Senior Manager.

S. Berry encouraged market participants to refer to Attachment1 and apply to treatment of compliance. MACD will inform market participants if there are any variants from treatment.

It was noted that market participants who are load entities are not enforceable until July 1, 2017.

4. Reliability Compliance Tool Replacement Project Update

S. Berry presented an update on the Reliability Compliance Tool project. We are replacing the current Metric Stream platform with an Aviant platform we currently use for other tools, such as the Market Registration tool.

Market trials for self certification started on June 17 and they were successful. The next step is to develop training modules and user guides that will go through each screen. It is not known yet if the training will be done in person or through a web cast. Market Participant training will be done by September 9, 2016.

Market participants need to update their contact information through the IESO online tool to make sure information is up to date. There is an action item for the IESO to send out a listing of people in market participants' organization in control of that function.

5. ORCP Pool B Self Certificate Update

C. Dragnea provided an update on the Compliance Monitoring plan and the upcoming certifications for pool B. Pool B refers to newly identified facilities as of July 1, 2016. C. Dragnea went over the letter that Market participants will receive and each document in the package.

The first document 1 is a spreadsheet that will be sent to generators. It includes standards that market participants need to self-certify for. They need to fill out the compliance status on all applicable standards and provide any comments on the comments field.

H. Kacem raised a question if the due date is September 1 or Jul 1, 2016. MACD requires a snap shot of compliance as of July 1, 2016 but the information can be sent at any time before September 1, 2016.

D. Kwan asked to clarify if the spreadsheet can be treated as evidence for CIP 002. This was correct and no categorization report is required.

The third document is to confirm that the information provided is accurate and it requires to be signed by a person of authority. This means that anybody with delegated authority can sign off the package. It does not require the CIP manager to sign off.

It was clarified that MACD uses the information in CDMS for compliance contacts.

6. Standards Enforcement Update

H. Lainis provided an update on the standards enforcement dates. Since the last meeting, FAC-003-4 Vegetation Management has been approved and its enforcement date is October 1, 2016. The following Standards have been filed to FERC:

Standard	Filing Date
BAL-005-1	April 20, 2016
FAC-001-3	April 20, 2016
IRO-018-1	May 26, 2016
TOP-010-1	May 26, 2016

7. Current NERC/NPCC/FERC Activities

7a. Update on NERC Standards Committee Activities

B. Li provided updates on the NERC Standards Committee activities. Since the last report, we have had two Standards Committee (SC) meetings with NERC: one face-to-face and the other over the phone. The major items to report include:

- The number of standards of Q2 2016 is about the same as the number from Q1 2016.
- The Standard Processes Manual Section 6, 7 and 11 are being revised
- Developed quality of standard ranking criteria and started ranking selected standards. This will be posted for industry comments.
- The Standards Committee Process Subcommittee (SCPS) has completed a guideline on consensus building and will start a review of the SAR Form.
- The Functional Model Advisory Group decided to not change to the working functional model with regards to the three entities that do not longer need to be registered (PSE, LSE and IC). The functional model was revised and presented to NERC and will be posted later in the summer for industry comments.

7b. NERC Standards Development

B. Li provided an update on the standards recently posted for comment/ballot.

- Real-time Monitoring and Analysis Capabilities: IRO-018-1 and TOP-010-1 (applicable to RC and TOP)
 - Proposed standards stipulate the requirements for data quality and the processes to alarm and mitigate erroneous data.
 - IESO voted Negative all along and Hydro One voted Affirmative.
 - The standard is not a show-stopper. NERC will file a petition and ask for approval.
- Knowledge of Composite Protection Systems and RASs: PER-006 (applicable to GOP)
 - PRC-027 was created to take on most of PRC-001 requirements.
 - R1 of PRC-001 was not mapped to PRC-027, but translated into 3 requirements in a new TOP-009 standard. The Reliability Coordinator was not included so the industry saw a reliability gap
 - SDT dropped TOP-009 and created PER-006 to stipulate a similar requirement for Generator Operator (not already covered by PER-005);
 - IESO supported the PER-006 standard and after some changes the IESO voted Affirmative.
- Internal Communication Capability COM-001-3 (applicable to RC, TOP, BA and GOP)
 - Revised to address FERC directive to provide internal communication capability “between geographically separate control centers within the same functional entity; and between a control center and field personnel”
 - IESO voted Affirmative; after the SDT revised the language issue over the “geographic separate”. Hydro One voted Negative (“field personnel” is nuclear)
- FERC Directives on TOP and IRO standards (applicable to RC, TOP and BA):
 - FERC directed NERC to modify TOP-001-3 and IRO-002-4 to:
 - Include monitoring of non-Bulk Electric System facilities;
 - Address redundancy and diverse routing of data exchange capabilities (between RC, TOP and BA); and

- Establish a clear obligation for RCs, TOPs, and BAs to test alternative data exchange capabilities.
 - The IESO supported the proposed scope of changes, which appeared to have been fully met by current IESO practices and plans to vote Affirmative.
- Transmission System Planning Performance Requirements: TPL-001 (applicable to TP and PC)
 - A SAR was posted to proposed revisions to the TPL-001-4 standard to address FERC directives to consider the risk of single point of failure in Protection System, include planned outages < 6 months in planning assessment and include assessment of dynamic performance in evaluating equipment replacement strategy (spare part related).
 - IESO generally supports the proposed changes to address the single point of failure issue, but reserve judgment on the actual language changes when the revised standard is posted. Hydro One should look at revised SAR and provide comments.
 - IESO supports including dynamic performance assessment when evaluating equipment replacement strategy, but does not believe exclusion of planned outages < 6 months would leave a reliability gap as the outage coordination requirement in IRO-017-1 covers this.
- BAL-002-2 NOPR (Not on the agenda)
 - BAL-002-2 is a contingency reserve requirement that states if an entity has a resource loss contingency, the entity must return ACE to zero or the value before contingency within 15 minutes.
 - FERC states that if an entity declares an energy emergency then that entity does not have to comply with the 15 minute requirement but it must have approval from the reliability coordinator.
 - The second issue has to do with the recovery period of 105 minutes. If something happens within those 15 minutes, then the entity resets the point for another 105 minutes. This implies that an entity can have unlimited resets.
 - The IESO plans to file some comments to FERC as it could have a profound impact on reserve requirements.

7c. NPCC Standards and Criteria Development

B. Li provided updates on the NPCC Standards and Criteria Development.

- Directory 9 and 10 – Verification of Real and Reactive Power Capability will be retired with the adoption of MOD-0025-2. The retirement will become effective on 2019 as MOD-0025-2 is becoming effective in stages.
- Directory 11 – Disturbance Monitoring Equipment has been proposed after the retirement of regional standard PRC-002-NPCC-01. The Directory will be more stringent than the standard. R. Falsetti pointed out that Directories are only applicable to BPS facilities.
- Directories 1 and 5 – Criteria Clarification. The driving requirement in R4 of D1 allows you to have non-firm capacity purchases to use as reserve. This only affects the Planning Coordinator and the Balancing Authority. For D5, a storage resource with inverter technology qualifies to provide synchronized reserve.
- NPCC Document C-45 Procedure for Analysis and Reporting of Protection System Misoperations – NPCC changed the reporting mechanism and document was revised to send requested information to NERC as opposed to NPCC and to follow the NERC Section 1600

data request as opposed to being directed by the NPCC Compliance Committee. The IESO and Hydro One both need access to the NERC tool but they need to coordinate with each other because if Hydro One submits into the NERC tool directly, the IESO will not have that information. The IESO will draft a process for July 1, 2016 to clarify who does what and when.

K. Demos from NextEra raised a question regarding PRC-004 and PRC-016 being in one template but how PRC-004 goes to NERC and PRC-016 goes to NPCC. The IESO needs to look into that.

8. Other Items

R. Falsetti raised a question about the new definition that was approved by FERC and Type 3 SPS. As of July 1, 2016 there is no distinction between a Type 1 and a Type 3 SPS. *S. Berry* mentioned that it was never distinguished who the owner of the RAS was and that the testing is done with the end user. The IESO is proposing to work together with Hydro One to provide a solution.

9. Next Meeting

The 35th RSSC meeting (Q3 for 2016) is scheduled for Monday October 3, 2016 at 120 Adelaide Street West (downtown Toronto).

No further items were brought up and the meeting ended at 02:30 PM. Motion to adjourn was made by *S. Dale* and *E. Giaouris*.