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Improving Awareness of System Operating Conditions - Engagement Session #3

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Webinar Participation via Microsoft Teams

- [Registration Link](#)

- To interact, use “Chat” function to submit a written question or click on “Raise Your Hand”, located in the Participants panel at the top right of the application window to indicate to the host you would like to speak
- Audio should be muted at all times. To unmute audio, click on the microphone icon in the meeting controls row found at the bottom of the application window
- This webinar is conducted according to the IESO Engagement Principles

Agenda

- Engagement Objective and Scope
- Introduction: Advisory Notice and Operating State Review
- Summary: Phase 1 and 2
- Phase 2: Refresher and Update
- Phase 2: Proposed Changes to Market Rules and Market Manuals
- Request for Stakeholder Input
- Next Steps

Engagement Objective

The objective of this engagement is to improve stakeholder awareness of system operating conditions so that Market Participants (MPs) are informed and have the opportunity to plan and prepare their operations accordingly. This is to minimize risk to reliability and enhance grid resiliency.

Engagement Scope - Reminder

- In-scope: Review and enhance what the IESO communicates to stakeholders through advisory and operating state notices.
- Out-of-scope: How the IESO communicates to stakeholders through advisory and operating state notices.
 - The mechanism and/or technologies used to communicate to stakeholders is out of scope for this engagement.

Introduction: Advisory Notice and Operating State Review

Today, the IESO informs stakeholders of system and market conditions through Advisory Notices and grid Operating States.

Recent operating events over the summer (e.g. extreme weather) have highlighted opportunities to improve IESO communication to stakeholders.

Summary: Phase 1 and 2

	Phase 1 – Enhance	Phase 2 – Revise
Goal	Enhance situational awareness when the potential for stressed system conditions are more likely to occur.	Provide greater clarity on situational awareness when market participant actions may be needed.
Proposed Plan	Added two new advisory notices.	Revise advisory notice framework and add a new operating state. (Minor change from previous stakeholder engagement session)
Engagement	Completed. New advisory notices implemented	Longer, more in-depth input required from stakeholders.
Market Rule and/or Manual Changes	Not required	Required.
Market Participant Actions Post Changes	Not required	Required



Phase 2: Refresher and Update

Phase 2: Advisory Notice Framework Revision (No Change from Previous Engagement Session)

Replace current advisory framework with a new framework consisting of three types of advisory notices: Alert, Warning and Action.

Any issued advisory notice will clearly indicate type.

The existing advisory notices will be aligned into the new types. This may also require the addition of new notices for better alignment as we transition through each type.



Phase 2 – Minor Change

What has changed since the previous engagement session?

Previous Proposal	New Proposal
Two new operating states: Conservative and IT Disruption.	We are combining the two previously proposed operating states in to one for simplification.

Consistent with today, the IESO will issue an advisory notice to notify market participants when changing to a different operating state.

Phase 2 – Conservative Operating State: Conditions

- Declared when there is a need to minimize potential risk to the grid or if there is a need to enhance the grid's resiliency due to (potential) stressed system operating conditions.
 - Equipment is operating within its normal ratings.
 - Normal condition limits are being respected.
 - Contingencies could adversely impact system security

Phase 2 – Conservative Operating State: Triggers/Actions

- Extreme weather, tight supply conditions, geomagnetic disturbances, outages to IT applications or tools that affect system security, and/or evacuation of the IESO primary control centre
- What does this mean to you:
 - Non-critical maintenance of equipment may be suspended.
 - Certain planned outages may not proceed.
 - Opportunity outages will not proceed.
 - Equipment already out of service may need to be returned to service.

Phase 2 – Conservative Operating State: Triggers/Actions

- MPs may need to implement manual workarounds to fulfill their obligations (e.g., receive and execute verbal dispatch instructions).
- The IESO may request MPs or neighbouring entities to monitor the IESO-controlled grid or the interties, respectively, on behalf of the IESO



Questions?



Phase 2 – Proposed Changes to Market Rules and Market Manuals *

*See additional stakeholder materials (redlined MRs and MMs) provided

Phase 2 – Market Rule Changes

- MR Chapter 5, Section 2: IESO-Controlled Grid and Operating States
 - Added new Conservative Operating State, the conditions when it can be declared, the triggers, and potential actions.
- MR Chapter 5, Section 6: Outage Coordination
 - Updated Section 6.4.9 to add the Conservative Operating State where advance approval can be revoked if Conservative Operating State is occurring or is reasonably likely to occur.
- MR Chapter 7, Section 12: Status Reports, Advisories, and Protocols
 - Updated to reflect new advisory notice framework

Phase 2 – Market Manual Changes

- Market Manual 7.1, Section 2.3: Grid Operating States
 - Updated to add description of the Conservative Operating State.
- Market Manual 7.1, Appendix B: Emergency Operating State Control Actions
 - Added the declaration of Conservative Operating State to the list of emergency control actions.
- Market Manual 7.2, Section 3: Advisory Notices
 - Updated to reflect new advisory notice framework
- Market Manual 7.4, Section 2.4: Grid Operating States
 - Updated the principles and added the new Conservative Operating State to existing list of operating states.

Phase 2 – Market Manual Changes [cont.]

- Minor updates to the following Market Manuals to incorporate proposed changes
 - Market Manual 7.3, 4.2, 4.3, 4.4, 4.5



Questions?

Phase 2: Request for Stakeholder Input

- Any comments on the Market Rule or Market Manual changes?
- Any additional questions or comments?

Phase 2: Stakeholder Feedback Form

- The IESO is seeking input on today's presented questions.
- A stakeholder feedback form is posted on the engagement [webpage](#).
- Stakeholder feedback is due Feb 17, 2022.
- An IESO response to stakeholder feedback document will be posted in March 2022.

Next Steps

Timing	Engagement Activity
February 17 2022	Stakeholder feedback due (see engagement webpage for AODA compliant form).
March 2022	Phase 2: Confirm and email effective date to registered stakeholders.
March 2022	Recommend MR amendments to TP
Late June 2022	Phase 2: Implementation including market rule and market manual amendments.

Thank You

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