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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00432		
Subject:	Ancillary Services		
Title:	Mandatory Requirements for Regulation Service Providers		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input checked="" type="checkbox"/> Addition
Chapter:		Appendix:	5.1
Sections:	Appendix 5.1, Section 1.1		
Sub-sections proposed for amending:	Sections 1.1.2.1 and 1.1.7		

### PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date
1.0	Draft for Technical Panel Review	August 8, 2017
2.0	Publish for Stakeholder Review and Comment	August 17, 2017
3.0	Submitted for Technical Panel Vote	September 19, 2017
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

### PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

#### Summary

The IESO proposes amendments to the market rules to increase the transparency and consistency of performance requirements for all registered facilities providing regulation service. The proposed amendments will clarify that certain performance requirements – off-nominal frequency, speed/frequency regulation, and voltage ride through – apply to all regulation service providers, regardless of size, technology or connection location. In addition, the proposed amendments will clarify that telemetering requirements apply to all regulation providers regardless of connection location.

#### Background

Refer to [MR-00432-Q00](#)

#### Discussion

##### Appendix 5.1

- Amend **section 1.1.2.1** to clarify that telemetering requirements apply to all registered facilities providing regulation service, including registered facilities connected to the IESO-controlled grid, a distribution system or another market participant’s facility.
- Add **new section 1.1.7** to specify that all registered facilities providing regulation service, regardless of size, connection location, or technology, shall comply with the requirements for off-nominal frequency (category 1), speed/frequency regulation (category 2) and voltage ride through (category 3) of **Appendix 4.2**.
- As a matter of clean-up, correct the spelling in the title of **Appendix 5.1**.

### PART 4 – PROPOSED AMENDMENT

## Appendix 5.1 – Performance Standards for Ancillary Services

### 1.1 Regulation

- 1.1.1 A *registered facility* providing *regulation* shall submit to the energy management system referred to in section 12 of Chapter 5 the monitoring and control information required to be provided pursuant to Chapter 4.
- 1.1.2 The telemetering between the energy management system referred to in section 12 of Chapter 5 and a *registered facility* providing *regulation* shall indicate:
- 1.1.2.1 whether the *registered facility* is synchronized to the *IESO-controlled grid*, ~~or~~ connected to a *distribution system*, or connected to another market participant's facility;
  - 1.1.2.2 whether the *registered facility* is providing *regulation* or not; and
  - 1.1.2.3 the net injection or withdrawal of the *registered facility* as a whole.
- 1.1.3 A *registered facility* providing *regulation* must achieve at least the ramp rate specified in its *contracted ancillary services* contract for the full amount of *regulation* capacity offered in such contract.
- 1.1.4 A *registered facility* providing *regulation* must be able to adjust its output or consumption at least at the ramp rate specified in its *contracted ancillary services* contract to the maximum and minimum values specified in such contract.
- 1.1.5 No *registered facility* shall offer to provide *regulation* capacity that exceeds an amount equal to the *registered facility's* maximum ramp rate multiplied by ten minutes.
- 1.1.6 A *registered facility* providing *regulation* must be capable of receiving control signals sent from the *IESO* at the rate of at least one signal every two seconds. If the *regulation* control signals are received by a control centre, the control centre must forward these signals to the *registered facility* providing *regulation* within two seconds of having received the signal from the *IESO*.
- 1.1.7 All *registered facilities* providing *regulation* must meet, at a minimum, the performance requirements for off-nominal frequency, speed/frequency regulation and voltage ride through specified in Appendix 4.2. For greater certainty, the foregoing obligation applies to all *registered facilities* providing *regulation*, regardless of size, technology or connection location.

**PART 5 – IESO BOARD DECISION RATIONALE**

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