

# ISO Rules

## Part 300 System Reliability and Operations

### Division 304 Routine Operations

#### Section 304.7 Event Reporting



#### Applicability

- 1 Section 304.7 applies to:
  - (a) the **operator** of a **transmission facility**;
  - (b) the **operator** of a **generating unit** that:
    - (i) is not part of an **aggregated generating facility**;
    - (ii) has a **maximum authorized real power** rating greater than 4.5 MW; and
    - (iii) is directly connected to the **transmission system**;
  - (c) the **operator** of an **aggregated generating facility** that:
    - (i) is directly connected to the **transmission system**; and
    - (ii) has a **maximum authorized real power** rating greater than 4.5 MW;(collectively referred to as the “Responsible Entities”)and
  - (d) the **ISO**.

#### Requirements

##### Events Reportable by the Operator of a Transmission Facility

2 The **operator** of a **transmission facility** must submit a report to the **ISO** for each of the events identified in Appendix 1:

- (a) in writing, in the form specified by the **ISO**; and
- (b) as soon as practicable and no later than five (5) **business days** of the **operator** of a **transmission facility** becoming aware of the event.

3 The **operator** of a **transmission facility** must notify ASSIST, the RCMP and, where applicable, the local police, for each of the events identified in Appendix 1 as being reportable to these entities, as soon as practicable.

##### Events Reportable by the Operator of a Generating Unit or Aggregated Generating Facility

4 The **operator** of a **generating unit** or the **operator** of an **aggregated generating facility** must submit a report to the **ISO** for each of the events identified in Appendix 2:

- (a) in writing, in the form specified by the **ISO**; and
- (b) as soon as practicable and no later than five (5) **business days** of the **operator** of a **generating unit** or the **operator** of an **aggregated generating facility** becoming aware of the event.

##### Events Reportable by a Responsible Entity

5 A Responsible Entity must submit a report to the **ISO** for each of the events identified in Appendix 3:

- (a) in writing, in the form specified by the **ISO**; and

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(b) as soon as practicable and no later than five (5) **business days** of the Responsible Entity becoming aware of the event.

**6** A Responsible Entity must notify ASSIST, the RCMP and, where applicable, the local police, for each of the events identified in Appendix 3, as soon as practicable.

**7** Notwithstanding any other provision of this section of the **ISO rules**, a Responsible Entity is not required to report a theft to the **ISO**, ASSIST, the RCMP and, where applicable, the local police in accordance with the provisions of this section 304.7, unless the Responsible Entity reasonably determines that the theft degrades normal operation of a **transmission facility, generating unit, or aggregated generating facility** that is part of or directly connected to the **bulk electric system**.

#### Events Reportable to NERC

**8** The **ISO** must forward a report received from a Responsible Entity in accordance with subsection 2 or 5 to the **NERC** within five (5) **business days** of receiving such a report, but only for those events identified in Appendix 4.

#### Revision History

Date	Description
2016-08-30	Initial release

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#### Appendix 1: Events Reportable by the Operator of a Transmission Facility

Event	Entity to Submit Report to
<p>(a) Damage to or destruction of a <b>transmission facility</b> that results in an unexpected sustained outage of any combination of three (3) or more of the following:</p> <ul style="list-style-type: none"> <li>(i) transmission lines energized at greater than 25 kV; or</li> <li>(ii) transformers with at least two (2) terminals energized at greater than 25 kV.</li> </ul>	ISO
<p>(b) Unexpected loss, contrary to design, of any combination of three (3) or more of the following:</p> <ul style="list-style-type: none"> <li>(i) transmission lines energized at greater than 25 kV; or</li> <li>(ii) transformers with at least two (2) terminals energized at greater than 25 kV</li> </ul> <p>caused by a common disturbance (excluding successful automatic reclosing).</p>	ISO
<p>(c) A physical threat to a <b>control centre</b> for the <b>bulk electric system</b>, excluding a weather or natural disaster related threat, which has the potential to degrade the normal operation of the <b>control centre</b>.</p>	ISO, ASSIST, RCMP and, where applicable, local police
<p>(d) A suspicious device or activity at a <b>control centre</b> for the <b>bulk electric system</b>.</p>	ISO, ASSIST, RCMP and, where applicable, local police
<p>(e) Automatic firm load shedding (via an automatic undervoltage or underfrequency load shedding scheme, or a <b>remedial action scheme</b>) that occurs as part of the ISO's <b>under voltage load shed</b> program or <b>underfrequency load shedding</b> program.</p>	ISO
<p>(f) The failure or <b>misoperation</b> of a <b>remedial action scheme</b> or <b>protection system</b> on the <b>transmission system</b> that impacts the <b>transmission system</b>, except where a misoperation incident report is provided in accordance with PRC-004-WECC-AB, <i>Protection System and Remedial Action Scheme Misoperation</i>.</p>	ISO
<p>(g) A loss of monitoring or control that significantly affects the ability of the <b>operator</b> of a <b>transmission facility</b> to make operating decisions for thirty (30) continuous minutes or more, including:</p> <ul style="list-style-type: none"> <li>(i) loss of the ability to remotely monitor or control <b>system elements</b> of the <b>bulk electric system</b>;</li> <li>(ii) loss of communications from supervisory control and data acquisition remote terminal units;</li> </ul>	ISO

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Event	Entity to Submit Report to
(iii) unavailability of “inter control centre protocol” links reducing <b>bulk electric system</b> visibility; or (iv) loss of the ability to remotely monitor or control <b>generating units</b> providing <b>regulating reserves</b> .	
(h) A complete loss, for thirty (30) continuous minutes or more, of voice communication systems for a <b>control centre</b> of a <b>transmission facility</b> that are required for the purpose of communicating with the <b>ISO</b> and the <b>operators</b> of adjacent <b>transmission facilities</b> .	<b>ISO</b>
(i) An unplanned evacuation of a <b>control centre</b> of a <b>transmission facility</b> for thirty (30) continuous minutes or more.	<b>ISO</b>

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#### Appendix 2: Events Reportable by the Operator of a Generating Unit or an Aggregated Generating Facility

Event	Entity to Submit Report to
(a) An unexpected outage impacting two (2) or more <b>generating units</b> or <b>aggregated generating facilities</b> with an aggregate gross generation exceeding 500 MW at the time of the outage, which is caused by a common disturbance and contrary to the design of the generating unit(s).	ISO
(b) A loss of monitoring or control that significantly affects the ability of the <b>operator</b> of a <b>generating unit</b> or an <b>aggregated generating facility</b> to make operating decisions for thirty (30) continuous minutes or more, including: <ul style="list-style-type: none"> <li>(i) loss of the ability to remotely monitor or control generating units connected to the <b>bulk electric system</b>;</li> <li>(ii) loss of communications from supervisory control and data acquisition remote terminal units;</li> <li>(iii) unavailability of “inter control centre protocol” links reducing visibility of <b>generating units</b> connected to the <b>bulk electric system</b>; or</li> <li>(iv) loss of the ability to remotely monitor or control <b>generating units</b> providing <b>regulating reserves</b>.</li> </ul>	ISO
(c) A complete loss, for thirty (30) continuous minutes or more, of voice communication systems for a <b>control centre</b> of a <b>generating unit</b> or an <b>aggregated generating facility</b> that are required for the purpose of communicating with the <b>ISO</b> and the <b>operators</b> of adjacent <b>transmission facilities</b> .	ISO
(d) An unplanned evacuation of a <b>control centre</b> of a <b>generating unit</b> or an <b>aggregated generating facility</b> for thirty (30) continuous minutes or more.	ISO

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#### Appendix 3: Events Reportable by a Responsible Entity

Event	Entity to Submit Report to
(a) Damage to or destruction of a <b>transmission facility, generating unit, or aggregated generating facility</b> that is part of or is directly connected to the <b>bulk electric system</b> that results from human action, which is known or suspected to be intentional.	<b>ISO, ASSIST, RCMP</b> and, where applicable, local police
(b) A physical threat to a <b>transmission facility, generating unit, or aggregated generating facility</b> that is part of or directly connected to the <b>bulk electric system</b> , excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the <b>transmission facility, generating unit, or aggregated generating facility</b> .	<b>ISO, ASSIST, RCMP</b> and, where applicable, local police
(c) A suspicious device or activity at a <b>transmission facility, generating unit, or aggregated generating facility</b> that is part of or directly connected to the <b>bulk electric system</b> .	<b>ISO, ASSIST, RCMP</b> and, where applicable, local police

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#### Appendix 4: Events Reportable by the ISO

Event	Entity to Forward Report to
(a) Damage to or destruction of a <b>transmission facility</b> that results in an unexpected sustained outage of any combination of three (3) or more of the following: <ul style="list-style-type: none"> <li>(i) transmission lines energized at greater than 25 kV; or</li> <li>(ii) transformers with at least two (2) terminals energized at greater than 25 kV.</li> </ul>	<b>NERC</b>
(b) Unexpected loss, contrary to design, of any combination of three (3) or more of the following: <ul style="list-style-type: none"> <li>(i) transmission lines energized at greater than 25 kV; or</li> <li>(ii) transformers with at least two (2) terminals energized at greater than 25 kV</li> </ul> caused by a common disturbance (excluding successful automatic reclosing).	<b>NERC</b>
(c) Damage to or destruction of a <b>transmission facility, generating unit, or aggregated generating facility</b> that is part of or is directly connected to the <b>bulk electric system</b> that results from actual or suspected intentional human action.	<b>NERC</b>
(d) A physical threat to a <b>control centre</b> for the <b>bulk electric system</b> , excluding a weather or natural disaster related threat, which has the potential to degrade the normal operation of the <b>control centre</b> .	<b>NERC</b>
(e) A physical threat to a <b>transmission facility, generating unit, or aggregated generating facility</b> that is part of or directly connected to the <b>bulk electric system</b> , excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the <b>transmission facility, generating unit, or aggregated generating facility</b> .	<b>NERC</b>
(f) A suspicious device or activity at a <b>control centre</b> for the <b>bulk electric system</b> .	<b>NERC</b>
(g) A suspicious device or activity at a <b>transmission facility, generating unit, or aggregated generating facility</b> that is part of or directly connected to the <b>bulk electric system</b> .	<b>NERC</b>
(h) Automatic firm load shedding of greater than or equal to 100 MW (via an automatic undervoltage or underfrequency load shedding scheme, or a <b>remedial action scheme</b> ) that occurs as part of the <b>ISO's under voltage load shed</b> program or <b>underfrequency load shedding</b> program.	<b>NERC</b>

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Event	Entity to Forward Report to
<p>(i) A loss of monitoring or control that significantly affects the ability of the <b>operator</b> of a <b>transmission facility</b> to make operating decisions for thirty (30) continuous minutes or more, including:</p> <ul style="list-style-type: none"> <li>(i) loss of the ability to remotely monitor or control <b>system elements</b> of the <b>bulk electric system</b>;</li> <li>(ii) loss of communications from supervisory control and data acquisition remote terminal units;</li> <li>(iii) unavailability of “inter control centre protocol” links reducing <b>bulk electric system</b> visibility; or</li> <li>(iv) loss of the ability to remotely monitor and control <b>generating units</b> providing <b>regulating reserves</b>.</li> </ul>	<p><b>NERC</b></p>
<p>(j) A complete loss, for thirty (30) continuous minutes or more, of voice communication systems for a <b>control centre</b> of a <b>transmission facility</b> that are required for the purpose of communicating with the <b>ISO</b> and the <b>operators</b> of adjacent <b>transmission facilities</b>.</p>	<p><b>NERC</b></p>
<p>(k) An unplanned evacuation of a <b>control centre</b> of a <b>transmission facility</b> for thirty (30) continuous minutes or more.</p>	<p><b>NERC</b></p>