



**IESO Reliability Compliance Program -
Certification Form**
NERC Reliability Standard: PRC-004

Submit this form by mail, fax or email to the following:

Attention:
IESO Reliability Compliance Program
Market Operations and Forecasts, IESO
Station A Box 4474 Toronto ON M5W 4E5
E-mail: IRCP@ieso.ca
Fax No.: (905) 855-6372

All information submitted in this process will be used by the *IESO* solely in support of its obligations under the “*Electricity Act, 1998*”, the “*Ontario Energy Board Act, 1998*”, the “*Market Rules*” and associated policies, standards and procedures and its licence. All submitted information will be assigned the appropriate confidentiality level upon receipt.

Terms and acronyms used in this Form that are italicized have the meanings ascribed thereto in Chapter 11 of the “*Market Rules*”.

This form, in combination with supporting documentation as appropriate, facilitates certification of compliance in accordance with the requirements and measures of the subject standard authority reliability compliance Template.

PART 1 – GENERAL INFORMATION

Market Participant Name:	_____
Market Participant ID:	_____
Reliability Compliance Contact:	
Name:	_____
E-mail Address:	_____
Telephone No.:	_____
Fax No.:	_____
Reporting Period: (Previous 12 months) <i>Specify year</i>	
From: <u>Nov.1,</u> _____	To: <u>Oct. 31,</u> _____

PART 2 – RELIABILITY STANDARD

Requirement(s):

R1. The *transmitter, generator, distributor and wholesale customer* that owns a *transmission system* protection system on the *IESO-Controlled Grid* shall each analyze its transmission protection system misoperations and shall develop and implement a corrective action plan to avoid future misoperations of a similar nature according to the **NPCC Document B-21 - Guide for Monitoring Protection System Misoperations**.

R2. Each *generator* shall analyze its generator protection system misoperations, and shall develop and implement a corrective action plan to avoid future misoperations of a similar nature according to the **NPCC Document B-21 - Guide for Monitoring Protection System Misoperations**.

R3. The *transmitter, generator, distributor and wholesale customer* that own a *transmission system* protection system and each *generator* shall each provide to the *IESO*:

R3.1. A summary report on its protection system misoperations, in the format specified in Addendum A according to **NPCC Document B-21 – Guide for Monitoring Protection system Misoperations** and guidelines established by the *NPCC-CBRE*. Summary reports are to be submitted to the *IESO* through the following e-mail: IRCP@ieso.ca.

R3.2. On request, documentation of its misoperations analyses and corrective action plans according to **NPCC Document B-21 - Guide for Monitoring Protection System Misoperations and Market Manual 7.7 - Disturbance Reporting** (Ch. 5, S.14.1.5 of the *market rules* and **Market Manual 7.1 - System Operating Procedures**, S. 3.4). All documentation is to be submitted to the *IESO*, within 20 days¹ of the *IESO*'s request, through the following e-mail: M&SO-MarketAnalysis@ieso.ca.

Measurement(s):

M1. The *transmitter, generator, distributor and wholesale customer* that owns a *transmission system* protection system on the *IESO-Controlled Grid* shall each have evidence it analyzed its protection system misoperations and developed and implemented corrective action plans to avoid future misoperations of a similar nature according to the **NPCC Document B-21 - Guide for Monitoring Protection System Misoperations**.

M2. The *generator* shall have evidence it analyzed its protection system misoperations and developed and implemented corrective action plans to avoid future misoperations of a similar nature according to the **NPCC Document B-21 - Guide for Monitoring Protection System Misoperations**.

M3. Each *transmitter, generator, distributor and wholesale customer* that owns a *transmission system* protection system, and each *generator*, shall have evidence it provided:

- Summary information of its protection system misoperations to the *IESO* through e-mail: @ IRCP@ieso.ca . Evidence can be in the form of a transmitted e-mail or facsimile; and
- Documentation of *IESO* requested protection system misoperations, along with its analyses and corrective action plans to the *IESO* through e-mail: @ M&SO-MarketAnalysis@ieso.ca. Evidence can be in the form of a transmitted e-mail or facsimile.

Reference Document(s):

NERC Reliability Standard – PRC-004 -1– Protection System Performance

NPCC Document B-21 – Guide for Monitoring Protection System Misoperations

¹ This does not preclude the *IESO* requesting for 48 hour reporting or within such longer period of the time that may be agreed to by the *IESO* (Ch. 5, S. 6.3.5 of the *market rules*), which may be necessary for significant system events and/or disturbances that impact the *ICG* or gives rise to potential reliability concerns.

PART 3 – CERTIFICATION OF COMPLIANCE

THE REPORTING MARKET PARTICIPANT CERTIFIES THAT IT IS IN:

<p><input type="checkbox"/> Full 100% Compliance: The <i>market participant</i> certifies that:</p> <ul style="list-style-type: none">• Its procedure for reporting, analyzing and documenting protection system misoperations is complete and meets NPCC document B-21 requirements and Market Manual 7.7 – Disturbance Reporting;• A summary report of all misoperations in the current reporting period, as specified in Addendum A, were reported to the <i>IESO</i> through e-mail @ IRCP@ieso.ca; and• Upon <i>IESO</i>'s request, documentation on analysis of requested misoperation(s) and corrective actions taken for such misoperations in the current reporting period were reported to the <i>IESO</i> through e-mail @ M&SO-MarketAnalysis@ieso.ca.
<p><input type="checkbox"/> The <i>market participant</i> certifies that this standard does NOT Apply to it (<i>The MP is to provide reasons why the standard does not apply, in the comment section</i>).</p>
<p><input type="checkbox"/> Non-Compliance: (<i>The market participant is to indicate its level of non compliance and provide its mitigation plan to become compliant</i>).</p> <p>Transmission System Facility Owners (<i>transmitter, generator, distributor, and wholesale customers</i>)</p> <p><input type="checkbox"/> Level 1: Documentation of misoperations for the current reporting period is complete according to Requirement R1, but documentation of corrective action plans is incomplete.</p> <p><input type="checkbox"/> Level 2: Documentation of misoperations for the current reporting period is incomplete according to Requirement R1 and documentation of corrective action plans is incomplete.</p> <p><input type="checkbox"/> Level 3: Documentation of misoperations for the current reporting period is incomplete according to Requirement R1 and there are no associated corrective action plans.</p> <p><input type="checkbox"/> Level 4: Misoperations for the current reporting period have not been analyzed and documentation has not been provided to the <i>IESO</i> according to Requirement R3.</p> <p>Generator (<i>Generator Protection System</i>)</p> <p><input type="checkbox"/> Level 1: Documentation of misoperations for the current reporting period is complete according to Requirement R2, but documentation of corrective action plans is incomplete.</p> <p><input type="checkbox"/> Level 2: Documentation of misoperations for the current reporting period is incomplete according to Requirement R2 and documentation of corrective action plans is incomplete.</p> <p><input type="checkbox"/> Level 3: Documentation of misoperations for the current reporting period is incomplete according to Requirement R2 and there are no associated corrective action plans.</p> <p><input type="checkbox"/> Level 4: Misoperations for the current reporting period have not been analyzed and documentation has not been provided to the <i>IESO</i> according to Requirement R3.</p>

Mitigation plan: (Define the corrective steps that will be taken and the timeframe, in which the market participant will meet 100% compliance.)

Mitigation plan attached.

Comments/Explanations: (Define or expand on the basis for the above assessment)

Comments/explanations attached.

I have authority to bind the *market participant* named above. I certify that all information set out or referred to above is true and complete as at the date of this certification. I further understand that the foregoing information is being provided in accordance with the requirements of the *IESO reliability compliance program (IRCP)*. I understand that this certification is submitted in lieu of a detailed review or “audit” by the *IESO* that may occur in the future. I acknowledge that such a review will require all information set out or referred to on this form be verified by appropriate documentation.

Certified by:

Signature of Authority

Title:

Date of Certification:
