



August 13, 2009

Dear Market Participants and Interested Parties:

Re: Proposed Alberta Reliability Standards (“Reliability Standards”):

- a) **IRO-006-WECC-AB-1 Qualified Transfer Path Unscheduled Flow Relief**
- b) **PRC-001-AB-1 Protection System Coordination**
- c) **PRC-004-AB-1 Analysis and Mitigation of Transmission and Generation Protection System Misoperation**
- d) **PRC-004-WECC-AB-1 Protection System and Remedial Action Scheme Misoperation**
- e) **PRC-005-AB-1 Transmission and Generation Protection System Maintenance and Testing**
- f) **PRC-016-AB-0 Remedial Action Scheme Misoperations**

This is to advise you that the Alberta Electric System Operator (“AESO”) is seeking feedback on the above-captioned Reliability Standards that are being considered by the AESO’s internal approval processes in October 2009. After internal AESO approval, the AESO intends to submit these Reliability Standards to the Alberta Utilities Commission (“Commission”) for approval as “reliability standards” pursuant to Section 19 of the *Transmission Regulation*.

The following grid is hyperlinked to provide assistance in directing you to the summary of the Reliability Standards and related attachments.

Reliability Standard Number	Description	Most relevant stakeholder interest
IRO-006-WECC-AB-1	<u>Qualified Transfer Path Unscheduled Flow Relief</u>	Pool participants on interconnections
PRC-001-AB-1	<u>Protection System Coordination</u>	GFOs, TFOs, GOPs
PRC-004-AB-1	<u>Analysis and Mitigation of Transmission and Generation Protection System Misoperation</u>	GFOs, TFOs
PRC-004-WECC-AB-1	<u>Protection System and Remedial Action Scheme Misoperation</u>	GFOs, TFOs, GOPs
PRC-005-AB-1	<u>Transmission and Generation Protection</u>	GFOs, TFOs



	<u>System Maintenance and Testing</u>	
PRC-016-AB-0	<u>Remedial Action Scheme Misoperations</u>	GFOs, TFOs, WOs

Please refer to the attached summaries for more information on the Reliability Standards, including a comparison document showing the differences between the corresponding United States Federal Energy Regulatory Commission (“FERC”) approved reliability standard and the Reliability Standards, and the reasons for the differences.

The AESO would appreciate your comments and suggestions on the Reliability Standards. Please use the comment matrix provided when submitting comments to the AESO. [Click here](#) to access the comment matrix for the Reliability Standards. Only written comments will be considered in finalizing the Reliability Standards.

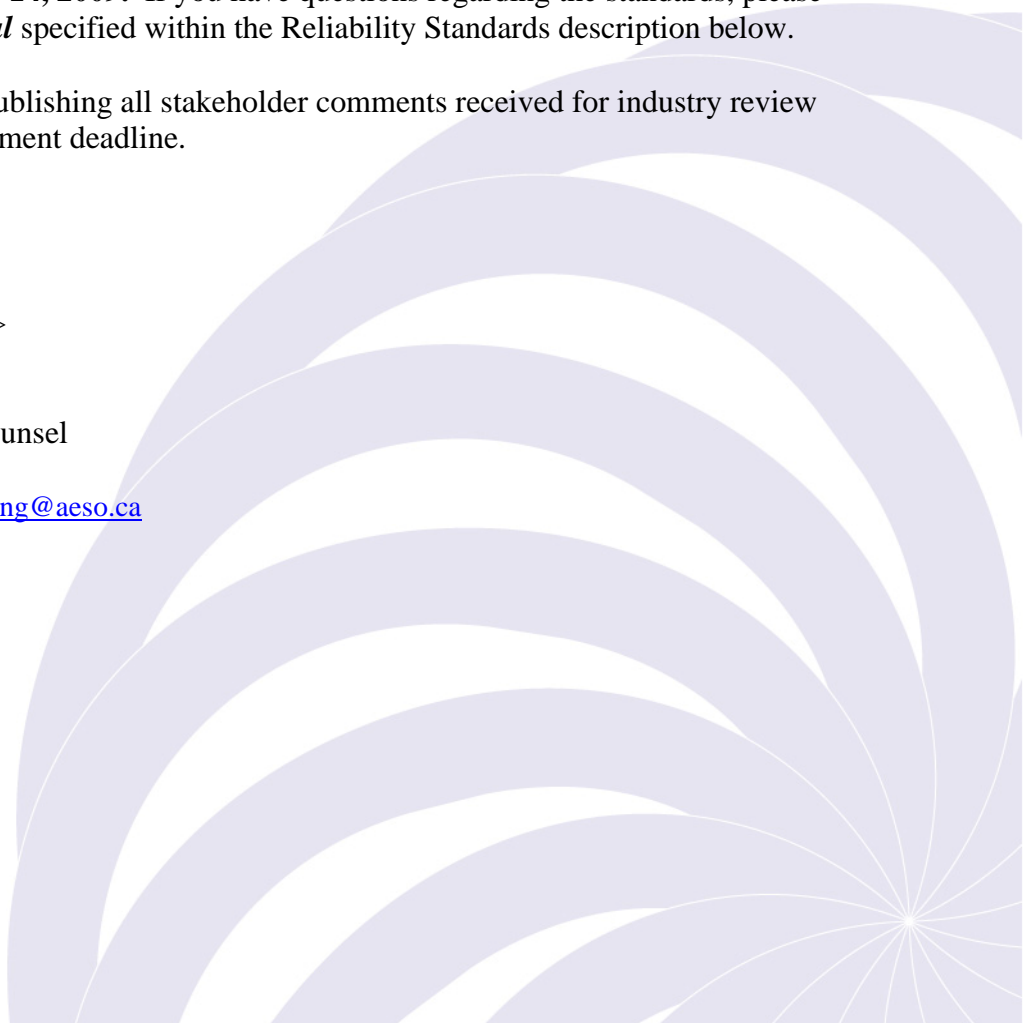
Please send your completed Comment Matrix to Jason Murray Jason.murray@aeso.ca by **Monday September 14, 2009**. If you have questions regarding the standards, please contact the *individual* specified within the Reliability Standards description below.

The AESO will be publishing all stakeholder comments received for industry review shortly after the comment deadline.

Yours truly,

<original signed by>

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Proposed LEVEL I Changes

Level I changes are changes that have a significant operational or financial impact on the industry or the AESO.

Alberta Reliability Standard – IRO-006-WECC-AB-1 Qualified Transfer Path Unscheduled Flow Relief	
Number/Name	IRO-006-WECC-AB-1 Qualified Transfer Path Unscheduled Flow Relief
Summary of Alberta Reliability Standard	<p>The purpose of this reliability standard is to mitigate transmission overloads due to unscheduled flow on qualified transfer paths.</p> <p>This new reliability standard is based on the NERC Board of Trustee approved Western Electricity Coordinating Council (“WECC”) reliability standard titled IRO-006-WECC -1 Qualified Transfer Path Unscheduled Flow Relief.</p>
Summary of Amendment	
Level	I
Explanation of Confidentiality	None
Proposed Effective Date	This new Reliability Standard is proposed to become effective ten calendar days following approval by the Commission.
AESO Contact	Operations Integration, Doug Hincks, doug.hincks@aeso.ca , (403) 705-5207
Attachments	<p>See attached.</p> <p>Comparison Document between IRO-006-WECC-1 and IRO-006-WECC-AB-1</p> <p>http://www.nerc.com/files/IRO-006-WECC-1.pdf</p>



Alberta Reliability Standard – PRC-001-AB-1 Protection System Coordination

Number/Name	PRC-001-AB-1 Protection System Coordination
Summary of Alberta Reliability Standard	<p>The purpose of this reliability standard is to ensure protection systems are coordinated among operating entities.</p> <p>This new reliability standard is based on the United States Federal Energy Regulatory Commission (“FERC”) approved North NERC reliability standard titled PRC-001-1 System Protection Coordination.</p>
Summary of Amendment	
Level	I
Explanation of Confidentiality	None
Proposed Effective Date	<p>Requirement 1 of his new Reliability Standard is proposed to become effective 365 calendar days following approval by the Commission.</p> <p>Requirements 2 through 9 of his new Reliability Standard are proposed to become effective ten calendar days following approval by the Commission</p>
AESO Contact	Manager, Interconnection Standards, Dan Shield, dan.shield@aeso.ca , (403) 539-2502
Attachments	<p>See attached.</p> <p>Comparison Document between PRC-001-1 and PRC-001-AB-1 http://www.nerc.com/files/PRC-001-1.pdf</p>



Alberta Reliability Standard – PRC-004-AB-1 Analysis and Mitigation of Transmission and Generation Protection System Misoperation	
Number/Name	PRC-004-AB-1 Analysis and Mitigation of Transmission and Generation Protection System Misoperation
Summary of Alberta Reliability Standard	<p>The purpose of this reliability standard is to ensure all transmission and generation protection system misoperations affecting the reliability of the BES are analyzed and mitigated.</p> <p>This new reliability standard is based on the United States Federal Energy Regulatory Commission (“FERC”) approved North NERC reliability standard titled PRC-004-1 Analysis and Mitigation of Transmission and Generation Protection System Misoperation</p> <p>This standard contains one or more Alberta variance, which means a change that is deemed to be significant from the corresponding NERC or WECC standard.</p>
Summary of Amendment	
Level	I
Explanation of Confidentiality	None
Proposed Effective Date	This new Reliability Standard is proposed to become effective ten calendar days following approval by the Commission.
AESO Contact	Manager, Interconnection Standards, Dan Shield, dan.shield@aeso.ca , (403) 539-2502
Attachments	<p>See attached.</p> <p>Comparison Document between PRC-004-1 and PRC-004-AB-1 http://www.nerc.com/files/PRC-004-1.pdf</p>



Alberta Reliability Standard – PRC-004-WECC-AB-1 Protection System and Remedial Action Scheme Misoperation	
Number/Name	PRC-004-WECC-AB-1 Protection System and Remedial Action Scheme Misoperation
Summary of Alberta Reliability Standard	<p>The purpose of this reliability standard is to ensure all misoperations of transmission and generation protection systems and RASs on transmission paths are analyzed and mitigated.</p> <p>This new reliability standard is based on the NERC Board of Trustee approved Western Electricity Coordinating Council (“WECC”) reliability standard titled PRC-004-WECC -1 Protection System and Remedial Action Scheme Misoperation.</p>
Summary of Amendment	
Level	I
Explanation of Confidentiality	None
Proposed Effective Date	This new Reliability Standard is proposed to become effective 10 calendar days following approval by the Commission.
AESO Contact	Manager, Interconnection Standards, Dan Shield, dan.shield@aeso.ca , (403) 539-2502
Attachments	<p>See attached.</p> <p>Comparison Document between PRC-004-WECC-1 and PRC-004-WECC-AB-1</p> <p>http://www.nerc.com/files/PRC-004-WECC-1.pdf</p>



Alberta Reliability Standard – PRC-005-AB-1 Transmission and Generation Protection System Maintenance and Testing

Number/Name	PRC-005-AB-1 Transmission and Generation Protection System Maintenance and Testing
Summary of Alberta Reliability Standard	<p>The purpose of this reliability standard is to ensure all transmission and generation protection systems affecting the reliability of the BES are maintained and tested.</p> <p>This new reliability standard is based on the United States Federal Energy Regulatory Commission (“FERC”) approved North NERC reliability standard titled PRC-005-1 Transmission and Generation Protection System Maintenance and Testing.</p>
Summary of Amendment	
Level	I
Explanation of Confidentiality	None
Proposed Effective Date	This new Reliability Standard is proposed to become effective 180 calendar days following approval by the Commission.
AESO Contact	Manager, Interconnection Standards, Dan Shield, dan.shield@aeso.ca , (403) 539-2502
Attachments	<p>See attached.</p> <p>Comparison Document between PRC-005-1 and PRC-005-AB-1 http://www.nerc.com/files/PRC-005-1.pdf</p>



Alberta Reliability Standard – PRC-016-AB-0 Remedial Action Scheme Misoperations

Number/Name	PRC-016-AB-0 Remedial Action Scheme Misoperations
Summary of Alberta Reliability Standard	<p>The purpose of this reliability standard is to ensure that RAS operations are analyzed and RAS misoperations are corrected.</p> <p>This new reliability standard is based on the United States Federal Energy Regulatory Commission (“FERC”) approved North NERC reliability standard titled PRC-016-1 Special Protection System Misoperations.</p> <p>This standard contains one or more Alberta variance, which means a change that is deemed to be significant from the corresponding NERC or WECC standard.</p>
Summary of Amendment	
Level	I
Explanation of Confidentiality	None
Proposed Effective Date	This new Reliability Standard is proposed to become effective 10 calendar days following approval by the Commission.
AESO Contact	Director, System Planning, Neil Brausen, neil.brausen@aeso.ca , (403) 539-2533
Attachments	<p>See attached.</p> <p>Comparison Document between PRC-016-0 and PRC-016-AB-0 http://www.nerc.com/files/PRC-016-0.pdf</p>