

**AESO Assessment and Conversion of NERC INT-009-1 to Alberta INT-009-AB-1 Implementation of Interchange**

<b>Section</b>	<b>NERC INT-009-1</b>	<b>Alberta INT-009-AB-1</b>	<b>Reason for Difference<sup>1</sup></b>
<b>Purpose</b>	To ensure that the implementation of Interchange between Source and Sink Balancing Authorities is coordinated by an Interchange Authority such that the Balancing Authorities implement the Interchange exactly as agreed upon in the Interchange confirmation process.	<del>The purpose of this standard is to ensure</del> <u>require</u> that the implementation of <del>the interchange between Source-source and Sink Bbalancing Authorities-authorities</del> is coordinated by an <del>the interchange</del> <u>Authority</u> such that the <del>Bbalancing</del> <u>Authorities</u> implement the <del>the interchange</del> <u>exactly</u> as agreed upon in the <del>the interchange</del> <u>confirmation</u> process.	
<b>Applicability</b>	4.1. Balancing Authority.	<del>4.1. Balancing Authority</del> This reliability standard applies to <u>ISO</u> .	
<b>Effective Date</b>	January 1, 2007	<del>Ten calendar days after the date of approval by the Commission. January 1, 2007</del>	To identify the effective date in Alberta.
<b>Definitions</b>		Italicized terms used in this reliability standard have the same meanings as set out in the Alberta Reliability Standards Glossary of Terms and Part 1 of the ISO Rules. <sup>2</sup>	Added definitions section to the Alberta reliability standard.
<b>Requirement</b>	R1. The Balancing Authority shall implement	R1. The <del>Balancing Authority shall</del> <u>ISO</u>	To clarify the meaning of

<sup>1</sup> The following revisions have been made throughout this proposed reliability standard:

- Identified the responsible entities in Alberta.
- Applied a consistent writing style and added clarity.
- Changed passive terms such as “shall” to “must”.

<sup>2</sup> Defined terms are not italicized in this document, but will appear in the Alberta Reliability Standards document.

**AESO Assessment and Conversion of NERC INT-009-1 to Alberta INT-009-AB-1 Implementation of Interchange**

<b>Section</b>	<b>NERC INT-009-1</b>	<b>Alberta INT-009-AB-1</b>	<b>Reason for Difference<sup>1</sup></b>
	Confirmed Interchange as received from the Interchange Authority.	<del>must</del> implement <del>in the interchange schedule the</del> <del>Confirmed Interchange</del> <del>interchange</del> as received from the <del>Interchange</del> <del>Authority</del> .	"implementation", i.e. implement in the interchange schedule.
<b>Measure</b>	M1. The Balancing Authority shall provide evidence that Implemented Interchange matches Confirmed Interchange as submitted by the Interchange Authority.	<del>MR1. The Balancing Authority shall provide Evidence exists that shows and confirms the amounts match as per R1. Implemented Interchange matches Confirmed Interchange as submitted by the Interchange Authority.</del>	
<b>Requirement</b>			
<b>Measure</b>	M2. Evidence shall demonstrate that the Interchange was implemented in the Balancing Authority's Area Control Error (ACE) equation, or the system that calculates the ACE equation. Evidence may be on a net basis or an individual Interchange basis.	<del>MR2. Evidence exists and confirms that shows shall demonstrate that the interchange value is included in the ACE calculation in a net or individual basis. Interchange was implemented in the Balancing Authority's Area Control Error (ACE) equation, or the system that calculates the ACE equation. Evidence may be on a net basis or an individual Interchange basis.</del>	Second part of measure for requirement R1.
<b>Requirement</b>			

**AESO Assessment and Conversion of NERC INT-009-1 to Alberta INT-009-AB-1 Implementation of Interchange**

Section	NERC INT-009-1	Alberta INT-009-AB-1	Reason for Difference <sup>1</sup>
<b>Measure</b>	M3. Balancing Authorities that are interconnected with a direct current tie shall demonstrate that the Interchange was implemented in the ACE equation or modeled as an equivalent generator/load within its area.	<del>MR3. Evidence exists and confirms that shows Balancing Authorities that are that the interchange value is included in the ACE calculation interconnected with a direct current tie shall demonstrate that the Interchange was implemented in the ACE equation or modeled as an equivalent generator/load within its area where the interchange is via a DC tie.</del>	Third part of measure for requirement R1.
<b>Procedures</b>			
<b>Compliance</b>	To view the compliance section D of the NERC reliability standard follow this link: <a href="http://www.nerc.com/files/INT-009-1.pdf">http://www.nerc.com/files/INT-009-1.pdf</a>		There is no compliance section currently proposed in the Alberta Reliability Standards.  A compliance program will be developed at a later date for Alberta Reliability Standards that recognizes the compliance monitoring and enforcement structure in Alberta.  This approach is deemed consistent with the existing ISO Rules.



**AESO Assessment and Conversion of NERC INT-009-1 to Alberta INT-009-AB-1 Implementation of Interchange**

<b>Section</b>	<b>NERC INT-009-1</b>	<b>Alberta INT-009-AB-1</b>	<b>Reason for Difference<sup>1</sup></b>
Regional Differences	None identified.	None identified.	



**Proposed Terms for the Alberta Reliability Standards Glossary:**

arranged Interchange means the state where the interchange authority has received the interchange information (initial or revised).

interchange authority means the responsible entity that authorizes implementation of valid and balanced interchange schedules between balancing authority areas and, ensures communication of interchange information for reliability assessment purposes.

confirmed interchange means the state where the interchange authority has verified the arranged interchange.

**Defined Terms used in this standard currently in ISO Rules Definitions or Alberta Reliability Standards Glossary:**

area control error (ACE)

pool participant

ISO

Commission

interchange transaction

e-tag

interchange schedule