

Comparison between NERC INT-003- 2 and Alberta INT-003-AB-2 Interchange Transaction Implementation			
Section	NERC INT-003-2	Alberta INT-003-AB-2	Reason for difference
Purpose	To ensure Balancing Authorities confirm Interchange Schedules with Adjacent Balancing Authorities prior to implementing the schedules in their Area Control Error (ACE) equations.	<u>The purpose of this <i>reliability standard</i> is to ensure <i>Balancing Authorities</i> confirm <i>interchange schedules</i> with <i>Adjacent Balancing Authorities</i> prior to implementing the <i>schedules</i> in their <i>area control error</i> equations.</u>	Minor change to writing style.
Applicability	Balancing Authorities	<i>Independent System Operator Balancing Authorities</i>	Identified the responsible entity in Alberta.
Effective Date	January 1, 2007	<u>This <i>reliability standard</i> becomes effective upon approval of it by the <i>Commission</i>.</u>	Identified when this standard becomes effective in Alberta
Definitions		<u>Italicized terms used in this <i>reliability standard</i> have the meanings as set out in Part 1 of the ISO Rules including, but not limited to, the following terms:</u> <i>area control error</i> or <i>ACE</i> ¹ <i>Adjacent Balancing Authority</i> <i>Balancing Authority</i> <i>Commission</i> <i>e-tag</i> <i>high voltage direct current</i> or <i>HVDC</i>	Added definitions section to the Alberta reliability standard.

¹Where a defined term is followed by an acronym, the acronym may be used as an alternative to the defined term.

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		<u>interchange</u> <u>interchange schedule</u> <u>Independent System Operator or ISO</u> <u>Receiving Balancing Authority reliability standard</u> <u>schedule</u> <u>scheduling path</u> <u>Sending Balancing Authority transmission facility owner or TFO</u>	
Requirements	R1. Each Receiving Balancing Authority shall confirm Interchange Schedules with the Sending Balancing Authority prior to implementation in the Balancing Authority’s ACE equation.	R1 Each <i>Receiving Balancing Authority</i> <u>must</u> confirm <i>interchange schedules</i> with the <i>Sending Balancing Authority</i> prior to implementation in the <i>Balancing Authority’s</i> <u>area control error</u> equation.	Replaced the passive term “shall” with “must”.

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	<p>R1.1. The Sending Balancing Authority and Receiving Balancing Authority shall agree on Interchange as received from the Interchange Authority, including:</p> <p>R1.1.1. Interchange Schedule start and end time.</p> <p>R1.1.2. Energy profile.</p>	<p>R1.1 The <i>Sending Balancing Authority</i> and <i>Receiving Balancing Authority</i> <u>must</u> agree on <i>interchange</i> as received from the Interchange Authority, including <i>interchange schedule</i> start and end time and energy profile.</p>	<p>Replaced the passive term “shall” with “must”.</p> <p>Alberta Variance²: Removed term “Interchange Authority” as this function does not exist in the Western Interconnection, i.e. an Interchange Authority does not provide interchange schedules to the Alberta Balancing Area.</p>
	<p>R1.2. If a high voltage direct current (HVDC) tie is on the Scheduling Path, then the Sending Balancing Authorities and Receiving Balancing Authorities shall coordinate the Interchange Schedule with the Transmission Operator of the HVDC tie.</p>	<p>R1.2 If an <u>Alberta HVDC</u> tie is on the <i>scheduling path</i>, then the <u>ISO</u> <u>must</u> coordinate the <i>interchange schedule</i> with the <u>TFO</u> of the HVDC tie.</p>	<p>Modified to make it specific to Alberta HVDC tie(s) and identify the responsible entities in the Alberta.</p>
Procedures	None	None	
Measures	<p>M1. Each Receiving and Sending Balancing Authority shall have and provide upon request evidence that could include, but is not limited to, interchange transaction tags, operator</p>	<p>MR1. <u>The ISO must have and provide upon request by the compliance monitor, e-tags or voice recordings if e-tags are not available,</u> that will be used to confirm that each <i>interchange</i></p>	<p>Modified to assign measure to each requirement, identify the responsible Alberta entity and replace the passive term “shall” with “must”.</p>

² Alberta Variance is a change from the US Reliability Standard that the AESO has determined is material.

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	logs, voice recordings or transcripts of voice recordings, electronic communications, computer printouts, or other equivalent evidence that will be used to confirm that each Interchange Schedule's start and end time, and energy profile were confirmed prior to implementation in the Balancing Authority's ACE equation. (Requirement R1, R1.1, R1.1.1 & R1.1.2)	<i>schedule's</i> start and end time, and energy profile were confirmed prior to implementation in the <i>Balancing Authority's area control error</i> equation. MR1.1 <u>The ISO must have and provide upon request by the compliance monitor, e-tags and</u> voice recordings that will be used to confirm that each <i>interchange schedule's</i> start and end time, and energy profile were confirmed prior to implementation in the <i>Balancing Authority's area control error</i> equation	Modified to identify that agreeing on interchange requires voice recordings as evidence.
	M2. Each Receiving and Sending Balancing Authority shall have and provide upon request evidence that could include, but is not limited to, interchange transaction tags, operator logs, voice recordings or transcripts of voice recordings, electronic communications, computer printouts, or other equivalent evidence that will be used to confirm that it coordinated the Interchange Schedule with the Transmission Operator of the HVDC tie as specified in Requirement 1.2.	MR1.2 <u>The ISO must have and provide upon request by the compliance monitor,</u> voice recordings or equivalent evidence <u>if the interchange schedule is coordinated by a means other than voice, which</u> will be used to confirm that <u>the ISO</u> coordinated the <i>interchange schedule</i> with the <u>TFO</u> of the HVDC tie.	Modified to assign a measure for each requirement, identify the responsible Alberta entity and replace the passive term "shall" with "must"..

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Compliance	<p>D. Compliance</p> <p>1. Compliance Monitoring Process</p> <p>1.1. Compliance Monitoring Responsibility</p> <p>Regional Reliability Organizations shall be responsible for compliance monitoring.</p> <p>1.2. Compliance Monitoring and Reset Time Frame</p> <p>One or more of the following methods will be used to assess compliance:</p> <ul style="list-style-type: none"> - Self-certification (Conducted annually with submission according to schedule.) - Spot Check Audits (Conducted anytime with up to 30 days notice given to prepare.) - Periodic Audit (Conducted once every three years according to schedule.) - Triggered Investigations (Notification of an investigation must be made within 60 days of an event or complaint of noncompliance. The entity will have up to 30 days to prepare for the investigation. An entity may request an extension of the preparation period and the extension will be considered by 		<p>There is no compliance section currently proposed in the Alberta Reliability Standards.</p> <p>A compliance program will be developed at a later date for Alberta Reliability Standards that recognizes the compliance monitoring and enforcement structure in Alberta.</p> <p>This approach is deemed consistent with the existing ISO Rules.</p>

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	<p>the Compliance Monitor on a case-by-case basis.) The Performance-Reset Period shall be 12 months from the last finding of noncompliance.</p> <p>1.3. Data Retention Each Balancing Authority shall keep 90 days of historical data (evidence). If an entity is found non-compliant the entity shall keep information related to the noncompliance until found compliant or for two years plus the current year, whichever is longer. Evidence used as part of a triggered investigation shall be retained by the entity being investigated for one year from the date that the investigation is closed, as determined by the Compliance Monitor, The Compliance Monitor shall keep the last periodic audit report and all requested and submitted subsequent compliance records.</p> <p>1.4. Additional Compliance Information None.</p> <p>2. Levels of Non-Compliance for Balancing Authorities:</p>		

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	<p>2.1. Level 1: There shall be a separate Level 1 non-compliance, if either of the following conditions exists:</p> <p>2.1.1 One instance of entering a schedule into its ACE equation without confirming the schedule as specified in R1, R1.1, R1.1.1 and R1.1.2.</p> <p>2.1.2 One instance of not coordinating the Interchange Schedule with the Transmission Operator of the HVDC tie as specified in R1.2</p> <p>2.2. Level 2: There shall be a separate Level 2 non-compliance, if either of the following conditions exists:</p> <p>2.2.1 Two instances of entering a schedule into its ACE equation without confirming the schedule as specified in R1, R1.1, R1.1.1, and R1.1.2.</p> <p>2.2.2 Two instances of not coordinating the Interchange Schedule with the Transmission Operator of the HVDC tie as specified in R1.2</p> <p>2.3. Level 3: There shall be a separate Level 3 non-compliance, if either of the following conditions exists:</p> <p>2.3.1 Three instances of entering a schedule into its ACE equation without</p>		

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	<p>confirming the schedule as specified in R1, R1.1, R1.1.1, and R1.1.2.</p> <p>2.3.2 Three instances of not coordinating the Interchange Schedule with the Transmission Operator of the HVDC tie as specified in R1.2</p> <p>2.4. Level 4: There shall be a separate Level 4 non-compliance, if either of the following conditions exists:</p> <p>2.4.1 Four or more instances of entering a schedule into its ACE equation without confirming the schedule as specified in R1, R1.1, R1.1.1, and R1.1.2.</p> <p>2.4.2 Four or more instances of not coordinating the Interchange Schedule with the Transmission Operator of the HVDC tie as specified in R1.2.</p>		
Regional Differences	<p>E. Regional Differences</p> <p>1. MISO Scheduling Agent Waiver dated November 21, 2002.</p> <p>2. MISO Enhanced Scheduling Agent Waiver dated July 16, 2003.</p> <p>3. MISO Energy Flow Information Waiver dated July 16, 2003.</p>		Not applicable in Alberta