

AESO Assessment and Conversion of NERC INT-010-1 to Alberta INT-010-AB-1 Interchange Coordination Exemptions

Section	NERC INT-010-1	Alberta INT-010-AB-1	Reason for Difference
Purpose	Allow certain types of Interchange schedules to be initiated or modified by reliability entities, and to be exempt from compliance with other Interchange Standards under abnormal operating conditions.	The purpose of this standard is to allow certain types of interchange schedules to be initiated or modified by reliability entities, and to be exempt from compliance with other interchange standards under abnormal operating conditions.	Consistent style with other Alberta reliability standards.
Applicability	4.1. Balancing Authority. 4.2. Reliability Coordinator.	4.1. ISO.	To identify the responsible entity in Alberta.
Effective Date	January 1, 2007	Ten calendar days after the date of approval by the Commission.	To identify the effective date in Alberta.
Definitions		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. ¹	Added definitions section to the Alberta reliability standard.
Requirement	R1. The Balancing Authority that experiences a loss of resources covered by an energy sharing agreement shall ensure that a request for an Arranged Interchange is submitted with a start time no more than 60 minutes beyond the resource loss. If the use of the energy sharing agreement does not exceed 60 minutes from the time of the resource loss, no request for Arranged Interchange is required.	R1. If the ISO experiences a loss of resources covered by the NWPP Reserve Sharing Agreement, the ISO must submit an arranged interchange with a start time no more than 60 minutes beyond the resource loss. If the use of the NWPP Reserve Sharing Agreement does not exceed 60 minutes from the time of the resource loss, no request for arranged interchange is required.	

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¹ Defined terms are not italicized in this document, but will appear in the Alberta Reliability Standards document.

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Measure	M1. The Balancing Authority that uses its energy sharing agreement where the duration exceeds 60 minutes shall have evidence it submitted Arranged Interchange per Requirement 1.	MR1. Evidence exists and confirms that an arrange interchange is submitted and the start time is as specified in R1.	
Requirement	R2. For a modification to an existing Interchange schedule that is directed by a Reliability Coordinator for current or imminent reliability-related reasons, the Reliability Coordinator shall direct a Balancing Authority to submit the modified Arranged Interchange reflecting that modification within 60 minutes of the initiation of the event.	▼	Responsible entity is the WECC Vancouver Reliability Coordinator (VRC). No entity in Alberta is responsible for implementing this requirement.
Measure	M2. The Reliability Coordinator that directs a modification to an existing Interchange shall have evidence that a directive was issued to submit the Arranged Interchange in accordance with Requirement 2.	▼	R2 is not applicable to entity in Alberta.
Requirement	R3. For a new Interchange schedule that is directed by a Reliability Coordinator for current or imminent reliability-related reasons, the Reliability Coordinator shall direct a Balancing Authority to submit an Arranged Interchange reflecting that Interchange schedule within 60 minutes of the initiation of the event.	▼	Responsible entity is the WECC Vancouver Reliability Coordinator (VRC). No entity in Alberta is responsible for implementing this requirement.
Measure	M3. The Reliability Coordinator that directs the initiation of a new Interchange shall have evidence that a directive was issued to submit the Arranged Interchange in accordance with Requirement 3.	▼	R3 is not applicable to entity in Alberta.
Procedures			

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- Deleted: The Balancing Authority that uses its energy sharing agreement where the duration exceeds 60 minutes shall have evidence it submitted Arranged Interchange per Requirement 1.
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- Deleted: R3. For a new Interchange schedule that is directed by a Reliability Coordinator for current or imminent reliability-related reasons, the Reliability Coordinator shall direct a Balancing Authority to submit an Arranged Interchange reflecting that Interchange schedule within 60 minutes of the initiation of the event. [1]
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Compliance	<p>1. Compliance Monitoring Process</p> <p>1.1. Compliance Monitoring Responsibility Regional Reliability Organization.</p> <p>1.2. Compliance Monitoring Period and Reset Time Frame The Performance-Reset Period shall be twelve months from the last noncompliance to R1, R2, or R3.</p> <p>1.3. Data Retention The Balancing Authority and Reliability Coordinator shall each keep 90 days of historical data. The Compliance Monitor shall keep audit records for a minimum of three calendar years.</p> <p>1.4. Additional Compliance Information Each Balancing Authority and Reliability Coordinator shall demonstrate compliance to the Compliance Monitor within the first year that this standard becomes effective or the first year the entity commences operation by self-certification to the Compliance Monitor. Subsequent to the initial compliance review, compliance may be:</p> <p>1.4.1 Verified by audit at least once every three years.</p> <p>1.4.2 Verified by spot checks in years between audits.</p> <p>1.4.3 Verified by annual audits of non-compliant Balancing Authorities and Reliability Coordinators, until compliance is demonstrated.</p> <p>1.4.4 Verified at any time as the result of a complaint. Complaints must be lodged within 60 days of the incident. The Compliance Monitor will evaluate complaints. The Balancing Authority and Reliability Coordinator shall make the following available for inspection by the Compliance Monitor upon</p>		<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>request:</p> <p>1.4.5 For compliance audits and spot checks, relevant data and system log records for the audit period which indicate a Balancing Authority or Reliability Coordinator acted in compliance with INT-010. The Compliance Monitor may request up to a three month period of historical data ending with the date the request is received by the Balancing Authority</p> <p>1.4.6 For specific complaints, only those data and system log records associated with the specific Interchange event contained in the complaint which indicates a Balancing Authority or Reliability Coordinator failed to act in compliance with INT-010.</p> <p>2. Levels of Non-Compliance</p> <p>2.1. Level 1: There shall be a level one non-compliance if either of the following conditions is present:</p> <p>2.1.1 One occurrence of not submitting an Arranged Interchange as described in R1.</p> <p>2.1.2 One occurrence of not directing the submittal of a new or modified Arranged Interchange as described in R2 or R3.</p> <p>2.2. Level 2: There shall be a level two non-compliance if either of the following conditions is present:</p> <p>2.2.1 Two occurrences of not submitting an Arranged Interchange as described in R1.</p> <p>2.2.2 Two occurrences of not directing the submittal of a new or modified Arranged Interchange as described in R2 or R3.</p> <p>2.3. Level 3: There shall be a level three non-compliance if</p>		

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	either of the following conditions is present: 2.3.1 Three occurrences of not submitting an Arranged Interchange as described in R1. 2.3.2 Three occurrences of not directing the submittal of a new or modified Arranged Interchange as described in R2 or R3. 2.4. Level 4: There shall be a level three non-compliance if any of the following conditions is present: 2.4.1 Four or more occurrences of not submitting an Arranged Interchange as described in R1. 2.4.2 Four or more occurrences of not directing the submittal of a new or modified Arranged Interchange as described in Requirements 2 or 3. 2.4.3 No evidence provided.		
Regional Differences	None identified.	None identified.	

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Proposed Terms for the Alberta Reliability Standards Glossary:

Arranged Interchange – The state where the Interchange Authority has received the Interchange information (initial or revised).

Interchange Schedules - An agreed-upon Interchange Transaction size (megawatts), start and end time, beginning and ending ramp times and rate, and type required for delivery and receipt of power and energy between the Source and Sink Balancing Authorities involved in the transaction.

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

ISO, Commission

Standard Owner:

Anita Lee

AESO Requirement Owner(s):

R1 – Neil Curtis, Director Grid and Market Operations.

AESO Subject Matter Experts:

Al Gultzan, Jason Murray, Saeed Shah

Work Group Comments:

Work Group Response:

Acceptance Recommendation:

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Developed by:

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R3. For a new Interchange schedule that is directed by a Reliability Coordinator for current or imminent reliability-related reasons, the Reliability Coordinator shall direct a Balancing Authority to submit an Arranged Interchange reflecting that Interchange schedule within 60 minutes of the initiation of the event.

M3. The Reliability Coordinator that directs the initiation of a new Interchange shall have evidence that a directive was issued to submit the Arranged Interchange in accordance with Requirement 3.