

AESO Assessment and Conversion of NERC INT-006-2 to Alberta INT-006-AB-2 Response to Interchange Authority

Section	NERC INT-006-2	Alberta INT-006-AB-2	Reason for Difference
Purpose	To ensure that each Arranged Interchange is checked for reliability before it is implemented.	The purpose of this reliability standard is to require that each arranged interchange is checked for reliability before it is implemented in an interchange schedule.	Consistent writing style for Alberta Reliability Standards. Clarification on “implementation”.
Applicability	4.1. Balancing Authority. 4.2. Transmission Service Provider.	4.1. ISO.	To identify the responsible entities in Alberta.
Effective Date	August 27, 2008. (U.S.) NERC Board Approved: May 2, 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. Prior to the expiration of the reliability assessment period defined in the Timing Table, Column B, the Balancing Authority and Transmission Service Provider shall respond to a request from an Interchange Authority to transition an Arranged Interchange to a Confirmed Interchange.	R1. Prior to the expiration of the reliability assessment period defined in the Timing Table, Column B, as shown at the end of this reliability standard, the ISO must respond to a request from an interchange authority to transition an arranged interchange to a confirmed interchange.	To identify the responsible entities in Alberta.

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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		<u>MR1. Evidence exists and confirms that requests are processed in the timeframe specified in requirement R1.</u>	
Requirement	R1.1. Each involved Balancing Authority shall evaluate the Arranged Interchange with respect to:	R1.1. <u>Prior to incorporating the arranged interchange in the interchange schedule, the ISO must evaluate the arranged interchange with respect to:</u>	<p>Alberta's current practice (as documented in OPP 301 and OPP 302) is to evaluate the e-tags against ATC and ramp capability prior to implementing in schedule.</p> <p>This practice meets the intent for checking for reliability prior to implementing the transactions.</p>
Measure		<u>MR1.1 Sub-requirements R.1.1.1, R1.1.2, and R1.1.3 are all met.</u>	
Requirement	R1.1.1. Energy profile (ability to support the magnitude of the Interchange).	R1.1.1. Energy profile (ability to support the magnitude of the interchange).	

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Measure		<u>MR1.1.1 Evidence exists and confirms that magnitude checks are evaluated and acceptable.</u>	
Requirement	R1.1.2. Ramp (ability of generation maneuverability to accommodate).	R1.1.2. Ramp (ability of generation maneuverability to accommodate).	
Measure		<u>MR1.1.2 Evidence exists and confirms that magnitude checks are evaluated and acceptable.</u>	
Requirement	R1.1.3. Scheduling path (proper connectivity of Adjacent Balancing Authorities).	R1.1.3. Scheduling path (proper connectivity of adjacent balancing authorities).	
Measure		<u>MR1.1.3 Evidence exists and confirms that connectivity checks are evaluated and acceptable.</u>	
Requirement	R1.2. Each involved Transmission Service Provider shall confirm that the transmission service arrangements associated with the Arranged Interchange have adjacent Transmission Service Provider connectivity, are valid and prevailing transmission system limits will not be violated.	R1.2. <u>The ISO must</u> confirm that the transmission service arrangements associated with the <u>arranged interchange</u> have adjacent <u>transmission service provider connectivity</u> , are valid and prevailing transmission system limits will not be violated. <u>prior to incorporating the arranged interchange in the interchange schedule.</u>	Clarify the timing as to when the checks are made. The emphasis here is that the Arranged Interchange is checked for reliability before it is implemented in the interchange schedule.

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Measure	M1. The Balancing Authority and Transmission Service Provider shall each provide evidence that it responded, relative to transitioning an Arranged Interchange to a Confirmed Interchange, to each request from an Interchange Authority within the reliability assessment period defined in the Timing Table, Column B.	MR1.2 Failed or invalid tags are not included in the interchange schedule.	
Procedures			
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 Requirement 1.</p> <p>1.3. Data Retention The Balancing Authority and Transmission Service Provider 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 The Balancing Authority and</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>Transmission Service Provider 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 selfcertification 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 Interchange Authorities, 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 Transmission Service Provider shall make the following available for inspection by the Compliance Monitor upon request:</p> <p>1.4.5 For compliance audits and spot checks, relevant data and system log records and agreements for the audit period which indicate a reliability entity identified in R1 responded to all instances</p>		

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	<p>of the Interchange Authority's communication under Reliability Standard INT-005 Requirement 1 concerning the pending transition of an Arranged Interchange to Confirmed Interchange. 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, or Transmission Service Provider.</p> <p>1.4.6 For specific complaints, agreements and those data and system log records associated with the specific Interchange event contained in the complaint which indicates a reliability entity identified in R1 has responded to the Interchange Authority's communication under INT-005 R1 concerning the pending transition of Arranged Interchange to Confirmed Interchange for that specific Interchange.</p> <p>2. Levels of Non-Compliance</p> <p>2.1. Level 1: One occurrence¹ of not responding to the Interchange Authority as described in R1.</p> <p>2.2. Level 2: Two occurrences¹ of not responding to the Interchange Authority as described in R1.</p>		

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	2.3. Level 3: Three occurrences ¹ of not responding to the Interchange Authority as described in R1. 2.4. Level 4: Four or more occurrences ¹ of not responding to the Interchange Authority as described in R1 or no evidence provided.		

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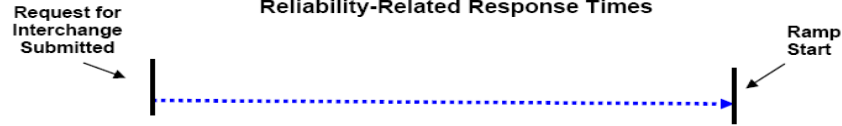
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Regional Differences	None	None	

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Timing Table
Interchange Timeline with Minimum Reliability-Related Response Times



	A	B	C	D	
If Actual Arranged Interchange (RFI) is Submitted	IA Makes Initial Distribution of Arranged Interchange	BA and TSP Conduct Reliability Assessments IA Verifies Reliability Data Complete	IA Compiles and Distributes Status	BA Prepares Confirmed Interchange for Implementation	Minimum Total Reliability Period (Columns A through D)
≤1 hour prior to ramp start	≤ 1 minute from RFI submission	≤ 10 minutes from Arranged Interchange receipt from IA for all Interconnections except WECC	≤ 1 minute from receipt of all Reliability Assessments	≥ 3 minutes prior to ramp start	15 minutes
≤20 minutes prior to ramp start	≤ 1 minute from RFI submission	≤ 5 minutes from Arranged Interchange receipt from IA for WECC	≤ 1 minute from receipt of all Reliability Assessments	≥ 3 minutes prior to ramp start	10 minutes
>20 minutes to ≤1 hour prior to ramp start	≤ 1 minute from RFI submission	≤ 10 minutes from Arranged Interchange receipt from IA for WECC	≤ 1 minute from receipt of all Reliability Assessments	≥ 3 minutes prior to ramp start	15 minutes
>1 hour to < 4 hours prior to ramp start	≤ 1 minute from RFI submission	≤ 20 minutes from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	≥ 39 minutes prior to ramp start	1 hour plus 1 minute
≥ 4 hours prior to ramp start	≤ 1 minute from RFI submission	≤ 2 hours from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	≥ 1 hour 58 minutes prior to ramp start	4 hours

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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 Authority – The responsible entity that authorizes implementation of valid and balanced Interchange Schedules between

Confirmed Interchange – The state where the Interchange Authority has verified the Arranged Interchange.

Transmission Service Provider - The entity that administers the transmission tariff and provides Transmission Service to Transmission Customers under applicable transmission service agreements.

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

Pool participant, ISO, Commission, interchange transaction, e-tag, interchange

Standard Owner:

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AESO Requirement Owner(s):

R1 – Neil Curtis, Director Grid and Market Operations.

AESO Subject Matter Experts:

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Work Group Comments:

Work Group Response:

Acceptance Recommendation:

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