

Alberta Reliability Standard

Evaluation of Interchange Transactions

INT-006-AB-5

A. Introduction

1. Title: Evaluation of Interchange Transactions
2. Number: INT-006-AB-5
3. Purpose: To ensure that the **ISO** conducts a **reliability** assessment of each **arranged interchange** before it is implemented.
4. Applicability:
 - 4.1. Functional Entities:
 - 4.1.1. the **ISO**.
5. Effective Date: The later of (i) July 1, 2028, and (ii) the first **day** of the first calendar quarter 3 **months** following **Commission** approval.

B. Requirements and Measures

- R1.** The **ISO** must approve or deny each on-time **arranged interchange** or emergency **arranged interchange** that it receives and must do so prior to the expiration of the time period defined in Attachment 1, Column B. *[Alberta Risk Rating: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
 - 1.1. The **ISO** must, when it is either the source **balancing authority** or sink **balancing authority** deny the **arranged interchange** or curtail **confirmed interchange** if it does not expect to be capable of supporting the magnitude of the **interchange**, including ramping, throughout the duration of the **arranged interchange**.
 - 1.2. The **ISO** must deny the **arranged interchange** or curtail **confirmed interchange** if the **scheduling path** (proper connectivity of **adjacent balancing authorities**) between it and its **adjacent balancing authorities** is invalid.
- M1.** The **ISO** must have evidence that it responded to each request for its approval to transition an **arranged interchange** to a **confirmed interchange** within the time defined in Attachment 1, Column B. Evidence may include dated and time stamped electronic logs, or other equivalent evidence.
- R2.** The **ISO** must approve or deny each on-time **arranged interchange** or emergency **arranged interchange** that it receives and must do so prior to the expiration of the time period defined in Attachment 1, Column B. *[Alberta Risk Rating: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
 - 2.1. The **ISO** must deny the **arranged interchange** or curtail **confirmed interchange** if the transmission path (proper connectivity of adjacent transmission service providers) between it and its adjacent transmission service providers is invalid.
- M2.** The **ISO** must have evidence that it responded to each **arranged interchange** or emergency **arranged interchange** within the time defined in Attachment 1, Column B. If the transmission path between the **ISO** and its adjacent transmission service providers is invalid, each transmission service

Alberta Reliability Standard

Evaluation of Interchange Transactions

INT-006-AB-5

provider must have evidence that it denied the **arranged interchange** or curtailed **confirmed interchange**. Evidence may include dated and time stamped electronic logs, studies, or other equivalent evidence.

R3. The **ISO** must, when it receives a **reliability adjustment arranged interchange**, approve or deny it prior to the expiration of the time period defined in Attachment 1, Column B. *[Alberta Risk Rating: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*

M3. The **ISO** must have evidence that when responding to a **reliability adjustment arranged interchange**, it either approved the request or denied the request. Evidence may include dated and time stamped electronic logs, studies, or other equivalent evidence.

R4. Reserved.

M4. Reserved.

R5. Reserved.

M5. Reserved.

C. Compliance

[Intentionally left blank.]

D. Regional Variances

None.

E. Associated Documents

None.

Version History

Version	Effective Date	Description of Changes
AB-5	The later of (i) July 1, 2028, and (ii) the first day of the first calendar quarter 3 months following Commission approval	Revised based on NERC INT-006-5, approved by FERC in Docket No. RM19-17-000. The revision retires Requirements R4 and R5.

Alberta Reliability Standard Evaluation of Interchange Transactions INT-006-AB-5

AB-4	2018-10-01	Initial Release.
------	------------	------------------

Alberta Reliability Standard

Evaluation of Interchange Transactions

INT-006-AB-5

Attachment 1 – Timing Tables

Timing Requirements for WECC

		A	B	C	D
If arranged interchange ¹ is submitted	Time classification	Sink balancing authority makes initial distribution of arranged interchange ²	Balancing authority and transmission service providers conduct reliability assessments	Compilation and distribution status ²	Balancing authority prepares confirmed interchange for implementation
>1 hour after the start time	After-the-Fact		Entities have up to 2 hours to respond.		Not Applicable
<10 minutes prior to ramp start and ≤1 hour after transaction start time where transaction start time is at the top of the hour	Late		Entities have up to 10 minutes to respond.		≤ 3 minutes after receipt of confirmed interchange
<15 minutes prior to ramp start and ≤1 hour after transaction start time where transaction	Late		Entities have up to 10 minutes to respond.		≤ 3 minutes after receipt of confirmed interchange

¹ Time classifications and deadlines apply to both initial **arranged interchange** submittal and any subsequent modifications to the **arranged interchange**.

² See North American Energy Standards Board WEQ004. The times are being retained in the North American Energy Standards Board tables but are removed here since they are not being referenced in requirements.

Alberta Reliability Standard

Evaluation of Interchange Transactions

INT-006-AB-5

		A	B	C	D
If arranged interchange ¹ is submitted	Time classification	Sink balancing authority makes initial distribution of arranged interchange ²	Balancing authority and transmission service providers conduct reliability assessments	Compilation and distribution status ²	Balancing authority prepares confirmed interchange for implementation
start time is not the top of the hour					
10 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		≤ 5 minutes from arranged interchange receipt		≥ 3 minutes prior to ramp start
11 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		≤ 6 minutes from arranged interchange receipt		≥ 3 minutes prior to ramp start
12 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		≤ 7 minutes from arranged interchange receipt		≥ 3 minutes prior to ramp start
13 minutes prior to ramp start where	On-time		≤ 8 minutes from arranged interchange receipt		≥ 3 minutes prior to ramp start

Alberta Reliability Standard

Evaluation of Interchange Transactions

INT-006-AB-5

		A	B	C	D
If arranged interchange ¹ is submitted	Time classification	Sink balancing authority makes initial distribution of arranged interchange ²	Balancing authority and transmission service providers conduct reliability assessments	Compilation and distribution status ²	Balancing authority prepares confirmed interchange for implementation
transaction start time is at the top of the hour					
14 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		≤ 9 minutes from arranged interchange receipt		≥ 3 minutes prior to ramp start
<1 hour and ≥ 15 minutes prior to ramp start	On-time		≤ 10 minutes from arranged interchange receipt		≥ 3 minutes prior to ramp start
≥ 1 hour and < 4 hours prior to ramp start	On-time		< 20 minutes from arranged interchange receipt		≥ 39 minutes prior to ramp start
≥ 4 hours prior to ramp start	On-time		≤ 2 hours from arranged interchange receipt		≥ 1 hour 58 minutes prior to ramp start

Alberta Reliability Standard

Evaluation of Interchange Transactions

INT-006-AB-5

		A	B	C	D
If arranged interchange ¹ is submitted	Time classification	Sink balancing authority makes initial distribution of arranged interchange ²	Balancing authority and transmission service providers conduct reliability assessments	Compilation and distribution status ²	Balancing authority prepares confirmed interchange for implementation
Submitted before 10:00 PPT with start time > 00:00 PPT of following day	On-time		By 12:00 PPT of day the arranged interchange was received		≥ 1 hour 58 minutes prior to ramp start

Alberta Reliability Standard Evaluation of Interchange Transactions INT-006-AB-5

Guidelines and Technical Basis

[Intentionally left blank.]