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**Project QC-2015-01**

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**Standard INT-004-3, INT-006-4, INT-009-2, INT-010-2, INT-011-1**

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**1. ASSESSMENT OF RELEVANCE**

Standards INT-001-3, INT-003-3, INT-004-2, INT-005-3, INT-006-3, INT-007-1, INT-008-3, INT-009-1, INT-010-1 currently filed for adoption with the Régie de l'énergie have been subject to a NERC revision project intended to clarify the role of certain applicable functions and to eliminate redundancy between certain requirements. The revision has given rise to the withdrawal and consolidation of some requirements. Finally, the nine initial standards have been retired and replaced by the following five new standards:

- INT-004-3
- INT-006-4
- INT-009-2
- INT-010-2
- INT-011-1

The new standards provide the following improvements:

- Making Request For Interchange (RFI) more apparent by clarifying which entities perform Interchange Authority task.
- Clearly establishing the criteria of acceptance or refusal of and RFI.
- Define various Balancing Authority involved in the implementation of Interchange and their relationship with respect to Interchange.
- Importance of technology. Interchange standards are performed by technology which is not an entity. An update of the standards was needed to address this point.
- Clarification of the terms of the glossary for a better understanding.
- Requested accountability and communication in the processing of RFI.

The ultimate purpose behind the update of the INT standards is to avoid the congestion on the transmission line that could have an adverse impact on the reliability of the system. By insuring that each *Balancing Authority* agrees on common value for the ACE equations for an interchange, potential failures are avoided.

**2. PREREQUISITE FOR ADOPTION**

None

**3. MODIFICATIONS TO OTHER STANDARDS OR TO GLOSSARY DEFINITIONS****3.1. Standards or requirements to be retired upon enforcement:**

- INT-001-3: Interchange Information
- INT-003-3: Interchange Transaction Implementation
- INT-004-2: Dynamic Interchange Transaction Modification
- INT-005-3: Interchange Authority Distributes Arranged Interchange

- INT-006-3: Response to Interchange authority
- INT-007-1: Interchange Confirmation
- INT-008-2: Interchange Authority Distributes Status
- INT-009-1: Implementation of Interchange
- INT-010-1: Interchange Coordination Exemptions

### 3.2. New definitions to be added to the glossary:

Term	Acronym	Definition
<b>Reliability Adjustment Arranged Interchange</b>		<p>A request to modify a Confirmed Interchange or Implemented Interchange for reliability purposes.</p> <p><b>(Échange convenu d'ajustement de fiabilité)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
<b>Composite Confirmed Interchange</b>		<p>The energy profile (including non-default ramp) throughout a given time period, based on the aggregate of all Confirmed Interchange occurring in that time period.</p> <p><b>(Échange confirmé composite)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
<b>Attaining Balancing Authority</b>		<p>A Balancing Authority bringing generation or load into its effective control boundaries through a Dynamic Transfer from the Native Balancing Authority.</p> <p><b>(Responsable de l'équilibrage déléataire)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
<b>Native Balancing Authority</b>		<p>A Balancing Authority from which a portion of its physically interconnected generation and/or load is transferred from its effective control boundaries to the Attaining Balancing Authority through a Dynamic Transfer.</p> <p><b>(Responsable de l'équilibrage délégrant)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>

### 3.3. Definitions to be revised in the glossary:

Term	Acronym	Definition
Dynamic Interchange Schedule or Dynamic Schedule		<p><b>New definition :</b></p> <p>A time-varying energy transfer that is updated in Real-time and included in the Scheduled Net Interchange (NIS) term in the same manner as an Interchange Schedule in the affected Balancing Authorities' control ACE equations (or alternate control processes).</p> <p><b>Former definition :</b></p> <p>A telemetered reading or value that is updated in real time and used as a schedule in the AGC/ACE equation and the integrated value of which is treated as a schedule for interchange accounting purposes. Commonly used for scheduling jointly owned generation to or from another Balancing Authority Area.</p> <p><b>(Programme d'échange dynamique ou Programme dynamique)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
Pseudo-Tie		<p><b>New definition :</b></p> <p>A time-varying energy transfer that is updated in Real-time and included in the Actual Net Interchange term (NIA) in the same manner as a Tie Line in the affected Balancing Authorities' control ACE equations (or alternate control processes)</p> <p><b>Former definition :</b></p> <p>A telemetered reading or value that is updated in real time and used as a "virtual" tie line flow in the AGC/ACE equation but for which no physical tie or energy metering actually exists. The integrated value is used as a metered MWh value for interchange accounting purposes.</p> <p><b>(Pseudo-interconnexion)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>

Term	Acronym	Definition
Request for Interchange	RFI	<p><b>New definition :</b></p> <p>A collection of data as defined in the NAESB Business Practice Standards submitted for the purpose of implementing bilateral interchange between Balancing Authorities or an energy transfer within a single Balancing Authority.</p> <p><b>Former definition :</b></p> <p>A collection of data as defined in the NAESB RFI Datasheet, to be submitted to the Interchange Authority for the purpose of implementing bilateral Interchange between a Source and Sink Balancing Authority.</p> <p><b>(Demande d'échange)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
Arranged Interchange		<p><b>New definition :</b></p> <p>The state where a Request for Interchange (initial or revised) has been submitted for approval.</p> <p><b>Former definition :</b></p> <p>The state where the Interchange Authority has received the Interchange information (initial or revised).</p> <p><b>(Échange convenu)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
Confirmed Interchange		<p><b>New definition :</b></p> <p>The state where no party has denied and all required parties have approved the Arranged Interchange.</p> <p><b>Former definition :</b></p> <p>The state where the Interchange Authority has verified the Arranged Interchange.</p> <p><b>(Échange confirmé)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
Adjacent Balancing Authority		<p><b>New definition :</b></p> <p>A Balancing Authority whose Balancing Authority Area is interconnected with another Balancing Authority Area either directly or via a multi-party agreement or transmission tariff.</p> <p><b>Former definition :</b></p> <p>A Balancing Authority Area that is interconnected another Balancing Authority Area either directly or via a multi-party agreement or transmission tariff.</p> <p><b>(Responsable de l'équilibrage adjacent)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>

Term	Acronym	Definition
Intermediate Balancing Authority		<p><b>New definition :</b></p> <p>A Balancing Authority on the scheduling path of an Interchange Transaction other than the Source Balancing Authority and Sink Balancing Authority.</p> <p><b>Former definition :</b></p> <p>A Balancing Authority Area that has connecting facilities in the Scheduling Path between the Sending Balancing Authority Area and Receiving Balancing Authority Area and operating agreements that establish the conditions for the use of such facilities.</p> <p><b>(Responsable de l'équilibrage intermédiaire)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
Sink Balancing Authority		<p><b>New definition :</b></p> <p>The Balancing Authority in which the load (sink) is located for an Interchange Transaction and any resulting Interchange Schedule.</p> <p><b>Former definition :</b></p> <p>The Balancing Authority in which the load (sink) is located for an Interchange Transaction. (This will also be a Receiving Balancing Authority for the resulting Interchange Schedule.)</p> <p><b>(Responsable de l'équilibrage consommateur)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>
Source Balancing Authority		<p><b>New definition :</b></p> <p>The Balancing Authority in which the generation (source) is located for an Interchange Transaction and for any resulting Interchange Schedule.</p> <p><b>Former definition :</b></p> <p>The Balancing Authority in which the generation (source) is located for an Interchange Transaction. (This will also be a Sending Balancing Authority for the resulting Interchange Schedule.)</p> <p><b>(Responsable de l'équilibrage producteur)</b></p> <p>Source: Glossary of Terms Used in NERC Reliability Standards</p>

Term	Acronym	Definition
Operational Planning Analysis		<p><b>New definition :</b></p> <p>An analysis of the expected system conditions for the next day's operation. (That analysis may be performed either a day ahead or as much as 12 months ahead.) Expected system conditions include things such as load forecast(s), generation output levels, Interchange, and known system constraints (transmission facility outages, generator outages, equipment limitations, etc.).</p> <p><b>Former definition :</b></p> <p>An analysis of the expected system conditions for the next day's operation. (That analysis may be performed either a day ahead or as much as 12 months ahead.) Expected system conditions include things such as load forecast(s), generation output levels, and known system constraints (transmission facility outages, generator outages, equipment limitations, etc.).</p> <p><b>(Analyse de planification opérationnelle)</b></p> <p><small>Source: Glossary of Terms Used in NERC Reliability Standards</small></p>

#### 3.4. Definitions to be retired from the glossary:

None

#### 4. APPLICABILITY

Requirements	Applicable Functions			
	Balancing Authority	Purchasing Selling Entity	Transmission Service Provider	Load Serving Entity
INT-004-3	X	X		
R1		x		
R2		x		
R3	x			
INT-006-4	X		X	
R1	x			
R2			x	
R3	x			
R4	x			
R5	x			
INT-009-2	X			
R1	x			
R2	x			
R3	x			
INT-010-2	X			
R1	x			
R2	x			
R3	x			
INT-011-1				X
R1				x

#### 5. PROVISIONS SPECIFIC TO QUÉBEC

None

#### 6. PROPOSED EFFECTIVE DATES

The enforcement date in the United States was set to October 1<sup>st</sup>, 2014. In an effort of standardization of practices with regard to energy transfers, the Reliability Coordinator proposes a prompt enforcement of the standards in Québec, considering that they are already effective in the United States.

Standard	Enforcement date in the USA	Proposed enforcement date in Québec	Justification
INT-004-3	October 1 <sup>st</sup> , 2014	The first day of the first calendar quarter one month after the adoption of the standard by the Régie de l'énergie.	Standardization of practices with other jurisdictions.
INT-006-4	October 1 <sup>st</sup> , 2014	The first day of the first calendar quarter one month after the adoption of the standard by the Régie de l'énergie.	Standardization of practices with other jurisdictions.

INT-009-2	October 1 <sup>st</sup> , 2014	The first day of the first calendar quarter one month after the adoption of the standard by the Régie de l'énergie.	Standardization of practices with other jurisdictions.
INT-010-2	October 1 <sup>st</sup> , 2014	The first day of the first calendar quarter one month after the adoption of the standard by the Régie de l'énergie.	Standardization of practices with other jurisdictions.
INT-011-1	October 1 <sup>st</sup> , 2014	The first day of the first calendar quarter one month after the adoption of the standard by the Régie de l'énergie.	Standardization of practices with other jurisdictions.

## 7. PRELIMINARY ASSESSMENT OF THE IMPACT

### INT-004-3

	Low	Moderate	High
Implementation of the standard	X		
Maintenance of the standard	X		
Compliance Monitoring	X		

### INT-006-4

	Low	Moderate	High
Implementation of the standard	X		
Maintenance of the standard	X		
Compliance Monitoring	X		

### INT-009-2

	Low	Moderate	High
Implementation of the standard	X		
Maintenance of the standard	X		
Compliance Monitoring	X		

### INT-010-2

	Low	Moderate	High
Implementation of the standard	X		
Maintenance of the standard	X		
Compliance Monitoring	X		

### INT-011-1

	Low	Moderate	High
Implementation of the standard	X		
Maintenance of the standard	X		
Compliance Monitoring	X		



**Legend:**

<b>Low:</b>	Normal industry practice or standard involving minor adjustments to processes or practices in place.
<b>Moderate:</b>	Changes that require an allocation of certain material, human or financial resources to implement, maintain and monitor compliance of the proposed standard.
<b>Important:</b>	Changes that require significant provision and allocation of material, human or financial resources to implement, maintain and monitor compliance of the proposed standard.

## **8. IMPACT ASSESSMENT**

This section is to be completed upon reception of the impact assessment forms and at the end of the consultation process prior to the filing of the standards with the Régie de l'énergie.

### A. Introduction

1. **Title:**       **Dynamic Transfers**
2. **Number:**   INT-004-3
3. **Purpose:**   To ensure Dynamic Schedules and Pseudo-Ties are communicated and accounted for appropriately in congestion management procedures.
4. **Applicability:**
  - 4.1. Balancing Authority
  - 4.2. Purchasing-Selling Entity

5. **Effective Date:**

First day of the second calendar quarter after the date that this standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is six months after the date this standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

6. **Background:**

This standard was revised as part of the Project 2008-12 Coordinate Interchange Standards effort to ensure the transparency of Dynamic Transfers.

- R1 is modified from Requirement R1 of INT-001-3 and transferred into INT-004-3. The revised requirement now includes Pseudo-Ties.
- R2 is modified from INT-004-2 to separate the triggers for the review of the Dynamic Transfer and when a modification is required for the Dynamic Transfer.
- R1 and R2 now also apply to Pseudo-Ties. The requirements to create an RFI for Pseudo-Ties ensure that all entities involved are aware of the Dynamic Transfer and agree that the various responsibilities associated with the dynamic transfer have been agreed upon.
- R3 is created to ensure that coordination occurs between all entities involved prior to the initial implementation of a Pseudo-Tie.
- The Guidelines and Technical Basis section was added to provide a summary of the considerations that must be given when establishing any Dynamic Transfer.

## B. Requirements and Measures

- R1.** Each Purchasing-Selling Entity that secures energy to serve Load via a Dynamic Schedule or Pseudo-Tie shall ensure that a Request for Interchange is submitted as an on-time<sup>1</sup> Arranged Interchange to the Sink Balancing Authority for that Dynamic Schedule or Pseudo-Tie, unless the information about the Pseudo-Tie is included in congestion management procedure(s) via an alternate method. [*Violation Risk Factor: Lower*] [*Time Horizon: Operations Planning, Same-day Operations*]
- M1.** The Purchasing-Selling Entity shall have evidence (such as dated and time-stamped electronic logs or other evidence) that a Request for Interchange was submitted for Dynamic Schedules and Pseudo-Ties as an on-time Arranged Interchange to the Sink Balancing Authority for the Dynamic Schedule or Pseudo-Tie. For Pseudo-Ties included in congestion management procedure(s) via an alternate method, the Purchasing-Selling Entity shall have evidence such as Interchange Distribution Calculator model data or written / electronic agreement with a Balancing Authority to include the Pseudo-Tie in the congestion management procedure(s). (R1)
- R2.** The Purchasing-Selling Entity that submits a Request for Interchange in accordance with Requirement R1 shall ensure the Confirmed Interchange associated with that Dynamic Schedule or Pseudo-Tie is updated for future hours in order to support congestion management procedures if any one of the following occurs: [*Violation Risk Factor: Lower*] [*Time Horizon: Operations Planning, Same Day Operations, Real Time Operations*]
- 2.1.** For Confirmed Interchange greater than 250 MW for the last hour, the actual hourly integrated energy deviates from the Confirmed Interchange by more than 10% for that hour and that deviation is expected to persist.
- 2.2.** For Confirmed Interchange less than or equal to 250 MW for the last hour, the actual hourly integrated energy deviates from the Confirmed Interchange by more than 25 MW for that hour and that deviation is expected to persist.
- 2.3.** The Purchasing-Selling Entity receives notification from a Reliability Coordinator or Transmission Operator to update the Confirmed Interchange.
- M2.** The Purchasing-Selling Entity shall have evidence (such as dated and time-stamped electronic logs, reliability studies or other evidence) that it updated its Confirmed Interchange Requests for Interchange when the deviation met the criteria in Requirement R2, Parts 2.1- 2.3. (R2)
- R3.** Each Balancing Authority shall only implement or operate a Pseudo-Tie that is included in the NAESB Electric Industry Registry publication in order to support

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<sup>1</sup> Please refer to the timing tables of INT-006-4.

congestion management procedures. [*Violation Risk Factor: Lower*] [*Time Horizon: Operations Planning*]

- M3.** The Balancing Authority shall have evidence (such as dated and time-stamped electronic logs or other evidence) that it only implemented or operated a Pseudo-Tie that is included in the NAESB Electric Industry Registry publication. (R3)

## **C. Compliance**

### **1. Compliance Monitoring Process**

#### **1.1. Compliance Enforcement Authority**

Regional Entity

#### **1.2. Evidence Retention**

The Purchasing-Selling Entity shall keep data or evidence to show compliance as identified below unless directed by its Compliance Enforcement Authority (CEA) to retain specific evidence for a longer period of time as part of an investigation. For instances where the evidence retention period specified below is shorter than the time since the last audit, the CEA may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.

- The Purchasing-Selling Entity shall maintain evidence to show compliance with R1 and R2 for the most recent 3 calendar months plus the current month.
- The Balancing Authority shall maintain evidence to show compliance with R3 for the most recent 3 calendar months plus the current month.

If a Purchasing-Selling Entity or Balancing Authority is found non-compliant, it shall keep information related to the non-compliance until found compliant.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

#### **1.3. Compliance Monitoring and Assessment Processes:**

Compliance Audit

Self-Certification

Spot Check

Compliance Investigation

Self-Reporting

Complaint

#### **1.4. Additional Compliance Information**

None

Table of Compliance Elements

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	Operations Planning, Same Day Operations	Lower	N/A	N/A	N/A	The Purchasing-Selling Entity secured energy to serve Load via a Dynamic Schedule or Pseudo-Tie, but did not ensure that a Request for Interchange was submitted as on-time Arranged Interchange to the Sink Balancing Authority, and did not include information about the Pseudo-Tie in congestion management procedure(s) via an alternate method.
R2	Operations Planning, Same Day Operations	Lower	N/A	N/A	N/A	A deviation met or exceeded the criteria in Requirement R2 Parts 2.1- 2.3 and was expected to persist, but the Purchasing-Selling Entity did not ensure that the Confirmed Interchange associated with that Dynamic Schedule or Pseudo-Tie was updated for future hours.

R3	Operations Planning	Lower	N/A	N/A	N/A	The Balancing Authority implemented or operated a Pseudo-Tie that was not included in the NAESB Electric Industry Registry publication.
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**D. Regional Variances**

None.

**E. Interpretations**

None.

**F. Associated Documents**

The complete Dynamic Transfer Reference Guidelines document is included in the NERC Operating Manual at:

[http://www.nerc.com/files/opman\\_3\\_2012.pdf](http://www.nerc.com/files/opman_3_2012.pdf).

## Application Guidelines

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### Guidelines and Technical Basis

This standard requires the submittal of an Arranged Interchange for both Dynamic Schedules and Pseudo-Ties. In general, Pseudo-Ties are accounted for by all parties as actual Interchange and Dynamic Schedules are accounted for as Scheduled Interchange. The obligations of the entities involved in each type of Dynamic Transfer are dependent on the type of Dynamic Transfer selected. These guidelines provide items that should be considered when determining which type of Dynamic Transfer should be utilized for a given situation.

### General Considerations When Establishing and Implementing Dynamic Transfers:

- During the setup of a Dynamic Transfer, a common source of data is established. During that setup, plans should also be established for what will occur when that normal source of data is not available.
- Following any reliability adjustments to a Dynamic Schedule, each Balancing Authority shall use agreed upon values that ensure any limit established by the reliability adjustment is not exceeded.
  - Since the Net Scheduled Interchange term used in its control ACE (or alternate control process) is not the value from the Confirmed Interchange, but from some common source, each Balancing Authority must be prepared to take action to control the data feeding that common source.
- Each Attaining Balancing Authority shall incorporate resources attained via Dynamic Schedules or Pseudo-Ties into its processes for establishing Contingency Reserve requirements, as well as for the purposes of measuring Contingency Reserve response.

The table below describes and outlines the obligations associated with the typical historical application of Pseudo-Ties and Dynamic Schedules related to many of the topics addressed above. In practical application, however, both the Native Balancing Authority and Attaining Balancing Authority can agree to exchange the obligations from that shown in the table below.

<b>BA's Obligation/modeling</b>	<b>Pseudo-Tie</b>	<b>Dynamic Schedule</b>
Generation planning and reporting and outage coordination	Attaining BA	Typically, Native BA but may be re-assigned (wholly or a portion) to the Attaining BA
CPS and DCS recovery /reporting and RMS	Attaining BA	Attaining and/or Native BA (depending on agreements)
Operational responsibility	Attaining BA	Native BA
BA services FERC OATT Schedules 3–6 and other ancillary services	Attaining BA	Native BA

## Application Guidelines

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as required		
Ancillary services associated with transmission FERC OATT Schedules 1–2 and other ancillary services as required	Attaining/Native BA (as agreed)	Attaining/Native BA (as agreed)
ACE Frequency Bias calc/setting	The Native and Attaining BA(s) shall adjust the control logic that determines their Frequency Bias Setting to account for the Frequency Bias characteristics of the loads and/or resources being assigned between BA(s) by the Pseudo-Tie	The Attaining BA should include the Load from its Dynamic Schedule as a part of its forecast load to set Frequency Bias requirement. The Native BA should change its Load used to set Frequency Bias setting by the same amount in the opposite direction.
Load forecasting and reporting	Attaining BA	Native BA
Manual load shedding during an Energy Emergency Alert (EEA)	Attaining BA	Native BA

### General Considerations for Curtailments of Dynamic Transfers

The unique handling of curtailments of Dynamic Transfers is described in NERC's Dynamic Transfer Reference Guidelines, Version 2.

For Dynamic Schedules:

**If transmission service between the Source and Sink BA(s) is curtailed then the allowable range of the magnitude of the schedules between them, including Dynamic Schedules, may have to be curtailed accordingly. All BAs involved in a Dynamic Schedule curtailment must also adjust the Dynamic Schedule Signal input to their respective ACE equations to a common value. The value used must be equal to or less than the curtailed Dynamic Schedule tag. Since Dynamic Schedule tags are generally not used as Dynamic Transfer Signals for ACE, this adjustment may require manual entry or other revision to a telemetered or calculated value used by the ACE.**

For Pseudo-Ties:

**If transmission service between the Native and Attaining BA(s) is curtailed, then the allowable range of the magnitude of the Pseudo-Ties between them must be limited accordingly to these constraints.**

Both sections above describe when Curtailments (typically communicated through e-Tags) of Dynamic Transfers require additional action by Balancing Authorities to ensure compliance with the Curtailment.



## Application Guidelines

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Curtailments of most tagged transactions are implemented through a change in the Source and Sink Balancing Authorities' ACE equations. However, changes, including Curtailments, in Dynamic Schedule and Pseudo-Tie tagged transactions do not change the Source and Sink Balancing Authorities' ACE equations directly. These types of transactions impact the ACE equation via the Dynamic Transfer Signal, not by the e-Tag. As such, Balancing Authorities need to develop additional automation or perform additional manual actions to reduce the Dynamic Transfer Signal in order to comply with the curtailment.

### Rationale:

During development of this standard, text boxes were embedded within the standard to explain the rationale for various parts of the standard. Upon BOT approval, the text from the rationale text boxes was moved to this section.

### Rationale R1:

This Requirement is intended to ensure that an RFI is submitted for a Dynamic Schedule or Pseudo-Tie. If a forecast is available, it is expected that the forecast will be used to indicate the energy profile on the RFI. If no forecast is available, the energy profile cannot exceed the maximum expected transaction MW amount.

### Rationale R2:

This requirement does not preclude tags from being updated at any time. The requirement specifies conditions under which the tag must be updated.

## Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
1	May 2, 2006	Adopted by the NERC Board of Trustees	Revised
2	October 9, 2007	Adopted by the NERC Board of Trustees (Removal of WECC Waiver)	Revised
2	July 21, 2008	Approved by FERC	Revised
3	February 6, 2014	Adopted by the NERC Board of Trustees	Revised
3	June 30, 2014	FERC letter order issued approving INT-004-3	

This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

**A. Introduction**

- 1. Title:**       **Dynamic Transfers**
- 2. Number:**   INT-004-3
- 3. Purpose:**   No specific provision
- 4. Applicability:** No specific provision
- 5. Effective Date:**
  - 5.1.**   Adoption of the standard by the Régie de l'énergie: Month xx 201x
  - 5.2.**   Adoption of the appendix by the Régie de l'énergie: Month xx 201x
  - 5.3.**   Effective date of the standard and its appendix in Québec: Month xx 201x

**B. Requirements and measures**

No specific provision

**C. Compliance**

- 1. Compliance Monitoring Process**
  - 1.1. Compliance Enforcement authority**

The Régie de l'énergie is responsible, in Québec, for compliance monitoring with respect to the reliability standard and its appendix that it adopts.
  - 1.2. Evidence Retention**

No specific provision
  - 1.3. Compliance Monitoring and assessment Processes**

No specific provision
  - 1.4. Additional Compliance Information**

No specific provision
- 2. Table of Compliance Elements**

No specific provision

**D. Regional Variances**

No specific provision

**E. Interpretations**

No specific provision

**F. Associated Documents**

No specific provision

## Standard INT-004-3 — Dynamic Transfers

### Appendix QC-INT-004-3

#### Provisions specific to the standard INT-004-3 applicable in Québec

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##### Guidelines and Technical Basis

No specific provision

##### Rationale

No specific provision

##### Version History

Revision	Adoption Date	Action	Change Tracking
0	Xx month 201x	New appendix	New

### A. Introduction

1. **Title:**       **Evaluation of Interchange Transactions**
2. **Number:**   INT-006-4
3. **Purpose:**    To ensure that responsible entities conduct a reliability assessment of each Arranged Interchange before it is implemented.
4. **Applicability:**
  - 4.1. Balancing Authority
  - 4.2. Transmission Service Provider

5. **Effective Date:**

First day of the second calendar quarter after the date that this standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is six months after the date this standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

6. **Background:**

This standard was revised as part of the Project 2008-12 Coordinate Interchange Standards effort to combine requirements from the various INT standards into a fewer number of standards and in a logical sequence. The focus of INT-006-4 continues to be the reliability assessment of Interchange Transactions prior to their implementation.

The content of INT-006-4 has been revised and expanded in the following manner:

- R1 was created by revising R1 from INT-006-3. This requirement ensures that Balancing Authorities involved in an Arranged Interchange actively approve or deny the transition to Confirmed Interchange. The requirement also lists criteria to determine when a Balancing Authority must deny the transition.
- R2 was created by revising R1 from INT-006-3. This requirement ensures that Transmission Service Providers involved in an Arranged Interchange actively approve or deny the transition to Confirmed Interchange. The requirement also lists criteria to determine when a Transmission Service Provider must deny the transition.
- R3 was created by revising R1 from INT-006-3. This requirement ensures that Balancing Authorities who receive a Reliability Adjustment Arranged Interchange actively approve or deny the transition to Confirmed Interchange.
- R4 was created by moving and revising R1 from INT-007-1, which has been retired as part of the project. This requirement lists criteria for when a Sink Balancing Authority shall not transition an Arranged Interchange to Confirmed Interchange.

- R5 was created by moving and revising R1 from INT-008-3, which has been retired as part of the project. This requirement lists the entities to which a Sink Balancing Authority must distribute notifications of whether an Arranged Interchange has transitioned to Confirmed Interchange.
- Attachment 1 timing tables for WECC were modified to address scheduling on a 15 minute basis.

### Requirements and Measures

- R1.** Each Balancing Authority shall approve or deny each on-time Arranged Interchange or emergency Arranged Interchange that it receives and shall do so prior to the expiration of the time period defined in Attachment 1, Column B. *[Violation Risk Factor: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
- 1.1.** Each Source and Sink Balancing Authority shall 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.** Each Balancing Authority shall 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.** Each Balancing Authority shall have evidence (such as dated and time stamped electronic logs, or other 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. (R1)
- R2.** Each Transmission Service Provider shall approve or deny each on-time Arranged Interchange or emergency Arranged Interchange that it receives and shall do so prior to the expiration of the time period defined in Attachment 1, Column B. *[Violation Risk Factor: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
- 2.1.** Each Transmission Service Provider shall 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.** Each Transmission Service Provider shall have evidence (such as dated and time stamped electronic logs, studies, or other 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 Transmission Service Provider and its adjacent Transmission Service Providers is invalid, each Transmission Service Provider shall have evidence (such as dated and time stamped electronic logs, studies, or other evidence) that it denied the Arranged Interchange or curtailed confirmed Interchange. (R2)

- R3.** The Source Balancing Authority and the Sink Balancing Authority receiving a Reliability Adjustment Arranged Interchange shall approve or deny it prior to the expiration of the time period defined in Attachment 1, Column B. *[Violation Risk Factor: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
- 3.1.** If a Balancing Authority denies a Reliability Adjustment Arranged Interchange, the Balancing Authority must communicate that fact to its Reliability Coordinator no more than 10 minutes after the denial.
- M3.** Each Balancing Authority shall have evidence (such as dated and time stamped electronic logs, studies, or other evidence) that when responding to a Reliability Adjustment Arranged Interchange, it either approved the request or denied the request and, if applicable, communicated denial to the Reliability Coordinator no more than 10 minutes after the denial. (R3)
- R4.** Each Sink Balancing Authority shall confirm that none of the following conditions exist prior to transitioning an Arranged Interchange to Confirmed Interchange: *[Violation Risk Factor: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
- It is a Reliability Adjustment Arranged Interchange, the time period specified in Attachment 1, Column B has elapsed, and the Source Balancing Authority or the Sink Balancing Authority associated with the Arranged Interchange has not communicated its approval of the transition.
  - It is not a Reliability Adjustment Arranged Interchange, the time period specified in Attachment 1, Column B, has elapsed, and not all Balancing Authorities and Transmission Service Providers associated with the Arranged Interchange have communicated their approval of the transition.
  - It is not a Reliability Adjustment Arranged Interchange, the time period specified in Attachment 1, Column B, has elapsed, and any entity associated with the Arranged Interchange has communicated its denial of the transition.
- M4.** Each Sink Balancing Authority shall have evidence (such as dated and time stamped electronic logs, studies, or other evidence) that, under the conditions in R4, it did not transition an Arranged Interchange to Confirmed Interchange. (R4)
- R5.** For each Arranged Interchange that is transitioned to Confirmed Interchange, the Sink Balancing Authority shall notify the following entities of the on-time Confirmed Interchange such that the notification is delivered in time to be incorporated into scheduling systems prior to ramp start as specified in Attachment 1, Column D: *[Violation Risk Factor: Lower] [Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*
- 5.1.** The Source Balancing Authority,
- 5.2.** Each Intermediate Balancing Authority,

- 5.3. Each Reliability Coordinator associated with each Balancing Authority included in the Arranged Interchange,
  - 5.4. Each Transmission Service Provider included in the Arranged Interchange, and
  - 5.5. Each Purchasing Selling Entity included in the Arranged Interchange.
- M5.** Each Sink Balancing Authority shall have evidence (such as dated and time stamped electronic logs, or other evidence) that it notified the entities of the on-time Confirmed Interchange such that the notification was delivered in time to be incorporated into scheduling systems prior to ramp start as specified in Attachment 1, Column D. (R5)

## **B. Compliance**

### **1. Compliance Monitoring Process**

#### **1.1. Compliance Enforcement Authority**

Regional Entity

#### **1.2. Evidence Retention**

The Balancing Authority and Transmission Service Provider shall each keep data or evidence to show compliance as identified below unless directed by its Compliance Enforcement Authority to retain specific evidence for a longer period of time as part of an investigation. For instances where the evidence retention period specified below is shorter than the time since the last audit, the CEA may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.

- The Balancing Authority shall maintain evidence to show compliance with R1, R3, R4, and R5 for the most recent three calendar months plus the current month.
- The Transmission Service Provider shall maintain evidence to show compliance with R2 for the most recent three calendar months plus the current month.
- If a Balancing Authority or Transmission Service Provider is found non-compliant, it shall keep information related to the non-compliance until found compliant.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

#### **1.3. Compliance Monitoring and Assessment Processes:**

Compliance Audits

Self-Certifications

Spot Checking

Compliance Investigations

Self-Reporting

Complaint

#### **1.4. Additional Compliance Information**

None

Table of Compliance Elements

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	Operations Planning, Same-day Operations, Real-time Operations	Lower	N/A	N/A	N/A	<p>The Balancing Authority receiving an on-time Arranged Interchange or an emergency Arranged Interchange did not approve or deny it prior to the expiration of the time period defined in Attachment 1, Column B.</p> <p>OR</p> <p>The Source or Sink Balancing Authority did not expect to be capable of supporting the magnitude of the Interchange, including ramping, throughout duration of the Arranged Interchange and did not deny the Arranged Interchange or curtail Confirmed Interchange.</p> <p>OR</p> <p>The Scheduling Path between the Balancing Authority and its Adjacent Balancing Authorities was invalid, and the Balancing Authority did not deny the Arranged Interchange or curtail Confirmed Interchange.</p>
R2	Operations Planning,	Lower	N/A	N/A	N/A	The Transmission Service Provider receiving an on-time



## Standard INT-006-4 — Evaluation of Interchange Transactions

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
	Same-day Operations, Real-time Operations					<p>Arranged Interchange or an emergency Arranged Interchange did not approve or deny it prior to the expiration of the time period defined in Attachment 1, Column B.</p> <p>OR</p> <p>The transmission path between the Transmission Service Provider and its adjacent Transmission Service Providers was invalid, and the Transmission Service Provider did not deny the Arranged Interchange or curtail Confirmed Interchange.</p>
R3	Operations Planning, Same-day Operations, Real-time Operations	Lower	N/A	N/A	The Source Balancing Authority or Sink Balancing Authority receiving a Reliability Adjustment Arranged Interchange denied it prior to the expiration of the time period defined in Attachment 1, Column B, but did not communicate that fact to its Reliability Coordinator within 10 minutes of the denial.	The Source Balancing Authority or Sink Balancing Authority receiving a Reliability Adjustment Arranged Interchange did not approve or deny it prior to the expiration of the time period defined in Attachment 1, Column B.
R4	Operations Planning, Same-day Operations,	Lower	N/A	N/A	N/A	The Sink Balancing Authority failed to confirm that none of the conditions in Requirement 4 existed before transitioning

## Standard INT-006-4 — Evaluation of Interchange Transactions

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
	Real-time Operations					an Arranged Interchange to Confirmed Interchange.
R5	Operations Planning, Same-day Operations, Real-time Operations	Lower	N/A	N/A	The Sink Balancing Authority did not notify all of the entities listed in Requirement R5 Parts 5.1-5.5 of the on-time Confirmed Interchange.	<p>The Sink Balancing Authority did not notify any of the entities listed in Requirement R5 Parts 5.1-5.5 of the on-time Confirmed Interchange.</p> <p>OR</p> <p>The Sink Balancing Authority notified the entities listed in Requirement R5 Parts 5.1-5.5 of the on-time Confirmed Interchange, but did not notify one or more of the entities in time for the notification to be incorporated into scheduling systems prior to ramp start as specified in Attachment 1, Column D.</p>

### C. Regional Variances

None.

### D. Interpretations

None.

### E. Associated Documents

None.

## Attachment 1 – Timing Tables

### Timing Requirements for all Interconnections except WECC

		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>If Arranged Interchange <sup>1</sup> is Submitted</b>	<b>Time Classification</b>	<b>Sink BA Makes Initial Distribution of Arranged Interchange<sup>2</sup></b>	<b>BA and TSP Conduct Reliability Assessments</b>	<b>Compilation and Distribution Status<sup>2</sup></b>	<b>BA Prepares Confirmed Interchange for Implementation</b>
>1 hour after the start time	ATF		Entities have up to 2 hours to respond.		NA
<15 minutes prior to ramp start and ≤1 hour after the start time	Late		Entities have up to 10 minutes to respond.		≤ 3 minutes after receipt of Confirmed Interchange
<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 to < 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

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<sup>1</sup> Time Classifications and deadlines apply to both initial Arranged Interchange submittal and any subsequent modifications to the Arranged Interchange.

<sup>2</sup> See NAESB WEQ004. The times are being retained in the NAESB tables but are removed here since they are not being referenced in requirements.

## Attachment 1 – Timing Tables

### Timing Requirements for WECC

		A	B	C	D
If Arranged Interchange <sup>3</sup> is Submitted	Time Classification	Sink BA Makes Initial Distribution of Arranged Interchange <sup>4</sup>	BA and TSP Conduct Reliability Assessments	Compilation and Distribution Status <sup>4</sup>	BA Prepares Confirmed Interchange for Implementation
>1 hour after the start time	ATF		Entities have up to 2 hours to respond.		NA
<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 start time is not the top of the hour	Late		Entities have up to 10 minutes to respond.		≤ 3 minutes after receipt of Confirmed Interchange
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

<sup>3</sup> Time Classifications and deadlines apply to both initial Arranged Interchange submittal and any subsequent modifications to the Arranged Interchange.

<sup>4</sup> See NAESB WEQ004. The times are being retained in the NAESB tables but are removed here since they are not being referenced in requirements.

## Standard INT-006-4 — Evaluation of Interchange Transactions

		A	B	C	D
If Arranged Interchange <sup>3</sup> is Submitted	Time Classification	Sink BA Makes Initial Distribution of Arranged Interchange <sup>4</sup>	BA and TSP Conduct Reliability Assessments	Compilation and Distribution Status <sup>4</sup>	BA Prepares Confirmed Interchange for Implementation
12 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		$\leq 7$ minutes from Arranged Interchange receipt		$\geq 3$ minutes prior to ramp start
13 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		$\leq 8$ minutes from Arranged Interchange receipt		$\geq 3$ minutes prior to ramp start
14 minutes prior to ramp start where transaction start time is at the top of the hour	On-time		$\leq 9$ minutes from Arranged Interchange receipt		$\geq 3$ minutes prior to ramp start
<1 hour and $\geq 15$ minutes prior to ramp start	On-time		$\leq 10$ minutes from Arranged Interchange receipt		$\geq 3$ minutes prior to ramp start
$\geq 1$ hour and < 4 hours prior to ramp start	On-time		< 20 minutes from Arranged interchange receipt		$\geq 39$ minutes prior to ramp start
$\geq 4$ hours prior to ramp start	On-time		$\leq 2$ hours from Arranged Interchange receipt		$\geq 1$ hour 58 minutes prior to ramp start
Submitted before 10:00 PPT with start time $\geq 00:00$ PPT of following day	On-time		By 12:00 PPT of day the Arranged Interchange was received		$\geq 1$ hour 58 minutes prior to ramp start

## Application Guidelines

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### Guidelines and Technical Basis

Many aspects of managing Interchange are supported by software applications. There are fundamental tasks that each entity should be able to perform in an electronic manner as listed below.

A Load-Serving Entity and Balancing Authority that submits Requests for Interchange should have the capability to electronically:

- Submit a Request for Interchange to a Sink Balancing Authority
- Submit a request to modify Interchange
- Receive distributions of Confirmed Interchange
- Receive distributions of Reliability Adjustment Arranged Interchanges

Each Sink Balancing Authority should have the capability to electronically:

- Receive a Request for Interchange
- Receive a request to modify Interchange
- Validate Requests for Interchange by verifying:
  - Source Balancing Authority megawatts equal Sink Balancing Authority megawatts (adjusted for losses, if appropriate).
  - All reliability entities involved in the Arranged Interchange are valid.
  - Generation source and Load sink are defined.
  - Megawatt profile is defined.
  - Interchange duration is defined.
- Validate request to modify Interchange by verifying:
  - Source Balancing Authority megawatts equal Sink Balancing Authority megawatts (adjusted for losses, if appropriate).
  - Megawatt profile is defined.
  - Interchange duration is defined.
- Distribute the validated Request for Interchange as Arranged Interchange
- Distribute the validated Reliability Adjustment Arranged Interchanges
- Receive communication of approval or denial of Arranged Interchange
  - Distribute notification as each entity approves or denies an Arranged Interchange.
  - Transition Arranged Interchange to Confirmed Interchange if all approvals are received.
  - Distribute notification of whether Arranged Interchange was transitioned to Confirmed Interchange or not.

## Application Guidelines

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- Submit a request to modify Interchange
- Each Load-Serving Entity that approves or denies Arranged Interchange, and each Balancing Authority and Transmission Service Provider should have the capability to electronically:
  - Receive distribution of Arranged Interchange
  - Communicate approval or denial of the Arranged Interchange to the Sink Balancing Authority
  - Receive notification of whether Arranged Interchange was transitioned to Confirmed interchange or not.
  - Submit a request to modify Interchange
- While Interchange is normally facilitated using electronic communication and software tools, there are occasions with those electronic capabilities are reduced or unavailable. It is recommended that all entities involved in aspects of Interchange should have, maintain and implement a plan describing the manner and timing in which all capabilities listed above will be provided when electronic capabilities are reduced or unavailable. Each plan should address the following topics:
  - Alternate methods of communicating Interchange information between Purchasing Selling Entities, Balancing Authorities, and Transmission Service Providers.
  - How to notify others that it is activating the plan
  - How it will process requests for emergency Arranged Interchange and Reliability Adjustment Arranged Interchange.
  - Restrictions and limitations that may apply during the period of reduced or unavailable capability (such as limits on volume, only accepting emergency transactions, etc.).
  - Delegation of approval rights and proxy actions, if such approaches will be used.
  - How known Confirmed Interchange will be scheduled following a reduction in or loss of capability.
  - Personnel plans for short-term and extended periods.
  - Training of personnel in the use of the plan.

### **Rationale:**

During development of this standard, text boxes were embedded within the standard to explain the rationale for various parts of the standard. Upon BOT approval, the text from the rationale text boxes was moved to this section.

### **Rationale for R1:**

Balancing Authorities must take action on a received Arranged Interchange within a certain time frame. Requirement R1, Parts 1.1 and 1.2 provide reliability-related reasons that a Balancing

## Application Guidelines

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Authority must deny an Arranged Interchange, but Balancing Authorities may deny for other reasons. If the conditions described in Requirement R1, Parts 1.1 or 1.2 are recognized after approval is granted, the Balancing Authority may curtail the Confirmed Interchange prior to implementation.

### **Rationale for R2:**

TSPs must take action on a received Arranged Interchange within a certain time frame. Requirement R2, Part 2.1 provides reliability-related reasons that a TSP must deny an Arranged Interchange, but TSPs may deny for other reasons. If the conditions described in Requirement R1, Part 2.1 are recognized after approval is granted, the TSP may curtail the Confirmed Interchange prior to implementation.

### **Version History**

Version	Date	Action	Change Tracking
1	May 2, 2006	Adopted by the NERC Board Of Trustees	New
2	May 2, 2007	Adopted by the NERC Board Of Trustees	Revised
3	October 29, 2008	Adopted by the NERC Board Of Trustees	Revised
3	July 1, 2010	Approved by FERC	Revised
4	February 6, 2014	Adopted by the NERC Board Of Trustees	Revised
4	June 30, 2014	FERC letter order issued approving INT-006-4	



## Standard INT-006-4 — Evaluation of Interchange Transactions

### Appendix QC-INT-006-4 Provisions specific to the standard INT-006-4 applicable in Québec

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This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

#### A. Introduction

1. **Title:** Evaluation of Interchange Transactions
2. **Number:** INT-006-4
3. **Purpose:** No specific provision
4. **Applicability:** No specific provision
5. **Effective Date:**
  - 5.1. Adoption of the standard by the Régie de l'énergie: Month xx, 201x
  - 5.2. Adoption of the appendix by the Régie de l'énergie: Month xx, 201x
  - 5.3. Effective date of the standard and its appendix in Québec: Month xx, 201x
6. **Background:** No specific provision

#### Requirements and Measures

No specific provision

#### B. Compliance

1. **Compliance Monitoring Process**
  - 1.1. **Compliance Enforcement Authority**

The Régie de l'énergie is responsible, in Québec, for compliance monitoring with respect to the reliability standard and its appendix that it adopts.
  - 1.2. **Evidence Retention**

No specific provision
  - 1.3. **Compliance Monitoring and Assessment Processes**

No specific provision
  - 1.4. **Additional Compliance Information**

No specific provision

#### Table of compliance elements

No specific provision

#### C. Regional Variances

No specific provision

#### D. Interpretations

No specific provision

## Standard INT-006-4 — Evaluation of Interchange Transactions

### Appendix QC-INT-006-4

#### Provisions specific to the standard INT-006-4 applicable in Québec

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#### **E. Associated Documents**

No specific provision

#### **Attachment 1- Timing Tables**

No specific provision

#### **Guidelines and technical basis**

No specific provision

#### **Revision History**

Revision	Adoption Date	Action	Change Tracking
0	Month xx 201x	New appendix	New

### A. Introduction

1. **Title:**       **Implementation of Interchange**
2. **Number:**   **INT-009-2**
3. **Purpose:**   To ensure that Balancing Authorities implement the Interchange as agreed upon in the Interchange confirmation process.
4. **Applicability:**
  - 4.1. Balancing Authority.
5. **Effective Date:**

The first day of the first calendar quarter that is six months after the date that this standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is six months after the date this standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

6. **Background:**

This standard was revised as part of the Project 2008-12 Coordinate Interchange Standards effort to combine requirements from the various INT standards into a fewer number of standards and in a logical sequence. The focus of INT-009-2 continues to be the Balancing Authority to Balancing Authority Interchange confirmation process for Interchange Transactions prior to their implementation.

The Requirements in INT-009-2 have been expanded to include previous Measures from INT-009-1 and acknowledge Dynamic Schedules and Pseudo-Ties. A new term “Composite Confirmed Interchange” has been introduced.

The content of INT-009-2 has been revised and expanded in the following manner:

- R1 was combined with INT-003-3 R1 and modified to ensure that a Balancing Authority agrees to a Composite Confirmed Interchange with each of its Adjacent Balancing Authorities.
- R2 was created to ensure that Adjacent Balancing Authorities incorporating a Pseudo-Tie agree to a common source for their Actual Net Interchange term for their ACE controls.
- R3 was created by revising R1.2 from INT-003-3. This requirement ensures that the Balancing Authority that controls a high-voltage direct current tie coordinates the Confirmed Interchange.

## B. Requirements and Measures

- R1.** Each Balancing Authority shall agree with each of its Adjacent Balancing Authorities that its Composite Confirmed Interchange with that Adjacent Balancing Authority, at mutually agreed upon time intervals, excluding Dynamic Schedules and Pseudo-Ties and including any Interchange per INT-010-2 not yet captured in the Composite Confirmed Interchange, is: [*Violation Risk Factor: Medium*] [*Time Horizon: Real-time Operations*]
- 1.1.** Identical in magnitude to that of the Adjacent Balancing Authority, and
  - 1.2.** Opposite in sign or direction to that of the Adjacent Balancing Authority.
- M1.** The Balancing Authority shall have evidence (such as dated logs, voice recordings, electronic records, or other evidence) that its Composite Confirmed Interchange, excluding Dynamic Schedules and Pseudo-Ties and including any Interchange as directed per INT-010-2 not yet captured in the Composite Confirmed Interchange, was agreed to by each Adjacent Balancing Authority, identical in magnitude to those of each Adjacent Balancing Authority, and opposite in sign to that of each Adjacent Balancing Authority. (R1)
- R2.** The Attaining Balancing Authority and the Native Balancing Authority shall use a dynamic value emanating from an agreed upon common source to account for the Pseudo-Tie in the Actual Net Interchange (NI<sub>A</sub>) term of their respective control ACE (or alternate control process). [*Violation Risk Factor: Medium*] [*Time Horizon: Real-time Operations*]
- M2.** The Balancing Authority shall have evidence (such as dated logs, voice recordings, electronic records, written agreement or other evidence) that it used a dynamic value emanating from an agreed upon common source to account for the Pseudo-Tie in the Actual Net Interchange (NI<sub>A</sub>) term of their respective control ACE (or alternate control process). (R2)
- R3.** Each Balancing Authority in whose area the high-voltage direct current tie is controlled shall coordinate the Confirmed Interchange prior to its implementation with the Transmission Operator of the high-voltage direct current tie. [*Violation Risk Factor: Medium*] [*Time Horizon: Real-time Operations, Operations Planning*]
- M3.** The Balancing Authority shall have evidence (such as dated logs, electronic records, or other evidence) that it coordinated the Confirmed Interchange prior to its implementation with the Transmission Operator of the high-voltage direct current tie. (R3)

## **C. Compliance**

### **1. Compliance Monitoring Process**

#### **1.1. Compliance Enforcement Authority**

Regional Entity

#### **1.2. Evidence Retention**

The Balancing Authority shall keep data or evidence to show compliance as identified below unless directed by its Compliance Enforcement Authority (CEA) to retain specific evidence for a longer period of time as part of an investigation. For instances where the evidence retention period specified below is shorter than the time since the last audit, the CEA may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.

- The Balancing Authority shall maintain evidence to show compliance with R1, R2 and R3 for the most recent 3 months plus the current month.

If a Balancing Authority is found non-compliant, it shall keep information related to the non-compliance until found compliant.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

#### **1.3. Compliance Monitoring and Assessment Processes:**

Compliance Audit

Self-Certification

Spot Checking

Compliance Investigation

Self-Reporting

Complaint

#### **1.4. Additional Compliance Information**

None

Table of Compliance Elements

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	Real-time Operations	Medium	N/A	N/A	N/A	The Balancing Authority did not reach agreement with an Adjacent Balancing Authority on the magnitude or sign of its Composite Confirmed Interchange, at mutually agreed upon time intervals, excluding Dynamic Schedules and Pseudo-Ties and including any Interchange per INT-010-2 not yet captured in the Composite Confirmed Interchange.
R2	Real-time Operations	Medium	N/A	N/A	N/A	The Balancing Authority failed to use a dynamic value emanating from an agreed upon common source to account for the Pseudo-Tie in the Actual Net Interchange (NI <sub>A</sub> ) term of their respective control ACE (or alternate control process).
R3	Real-time Operations, Operations Planning	Medium	N/A	N/A	N/A	The Balancing Authority failed to coordinate the Confirmed Interchange prior to its implementation with the Transmission Operator of the high-voltage direct current tie.

## Application Guidelines

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### D. Regional Variances

None.

### E. Interpretations

None.

### F. Associated Documents

None.

## Guidelines and Technical Basis

### Rationale:

During development of this standard, text boxes were embedded within the standard to explain the rationale for various parts of the standard. Upon BOT approval, the text from the rationale text boxes was moved to this section.

Rationale for R2: R12.3 of BAL-005-2b addresses common metering for Dynamic Schedules and Pseudo-Ties but not their implementation into ACE. Requirement R2 is parallel to R10 of BAL-005-2b which only addresses Dynamic Schedules. Presently, there is a gap in the BAL standards that this requirement fills for Pseudo-Ties.

### Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
1	May 2, 2006	Adopted by the NERC Board of Trustees	Revised
2	February 6, 2014	Adopted by the NERC Board of Trustees	Revised
2	June 30, 2014	FERC letter order issued approving INT-009-2	

## Standard INT-009-2 —Implementation of interchange

### Appendix QC-INT-009-2 Provisions specific to the standard INT-009-2 applicable in Québec

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This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

#### A. Introduction

1. **Title:** Implementation of Interchange
2. **Number:** INT-009-2
3. **Purpose:** No specific provision
4. **Applicability:** No specific provision
5. **Effective Date:**
  - 5.1. Adoption of the standard by the Régie de l'énergie: Month xx, 201x
  - 5.2. Adoption of the appendix by the Régie de l'énergie: Month xx, 201x
  - 5.3. Effective date of the standard and its appendix in Québec: Month xx, 201x

#### B. Requirements and measures

No specific provision

#### C. Compliance

##### 1. Compliance Monitoring Process

###### 1.1. Compliance Enforcement authority

The Régie de l'énergie is responsible, in Québec, for compliance monitoring with respect to the reliability standard and its appendix that it adopts.

###### 1.2. Evidence Retention

No specific provision

###### 1.3. Compliance Monitoring and assessment Processes

No specific provision

###### 1.4. Additional Compliance Information

No specific provision

##### Table of Compliance Elements

No specific provision

#### D. Regional Variances

No specific provision

#### E. Interpretations

No specific provision

#### F. Associated Documents

No specific provision



## Standard INT-009-2 —Implementation of interchange

### Appendix QC-INT-009-2

#### Provisions specific to the standard INT-009-2 applicable in Québec

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#### Guidelines and Technical Basis

No specific provision

#### Version History

Revision	Adoption Date	Action	Change Tracking
0	Xx month 201x	New appendix	New

### A. Introduction

1. **Title:** Interchange Initiation and Modification for Reliability
2. **Number:** INT-010-2
3. **Purpose:** To provide guidance for required actions on Confirmed Interchange or Implemented Interchange to address reliability.
4. **Applicability:**
  - 4.1. Balancing Authority
5. **Effective Date:**

The first day of the first calendar quarter that is six months after the date that this standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is six months after the date this standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

6. **Background:**

This standard was revised as part of the Project 2008-12 Coordinate Interchange Standards.

- R1 is modified to replace “request for Arranged Interchange” with the correct term “Request for Interchange.” A rationale was developed to clarify use of the term “energy sharing agreement” for this requirement.
- R2 and R3 are modified to shift compliance from the Reliability Coordinator to the Sink Balancing Authority.

### B. Requirements and Measures

- R1.** The Balancing Authority that experiences a loss of resources covered by an energy sharing agreement or other reliability needs covered by an energy sharing agreement shall ensure that a Request for Interchange (RFI) 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 RFI is required.  
[Violation Risk Factor: Lower] [Time Horizon: Real Time Operations]
- M1.** The Balancing Authority that uses its energy sharing agreement where the duration exceeds 60 minutes shall have evidence such as dated and time-stamped RFI, electronic logs or other similar evidence that it submitted an RFI per Requirement R1. (R1)
- R2.** Each Sink Balancing Authority shall ensure that a Reliability Adjustment Arranged Interchange reflecting a modification is submitted within 60 minutes of the start of the modification if a Reliability Coordinator directs the modification of a Confirmed

Interchange or Implemented Interchange for actual or anticipated reliability-related reasons. [*Violation Risk Factor: Lower*] [*Time Horizon: Real Time Operations*]

- M2.** The Sink Balancing Authority shall have evidence such as dated and time-stamped electronic logs or other similar evidence that a Reliability Adjustment Arranged Interchange was submitted within 60 minutes of the start of a modification to either a Confirmed Interchange or an Implemented Interchange that was directed by a Reliability Coordinator for actual or anticipated reliability-related reasons. (R2)
- R3.** Each Sink Balancing Authority shall ensure that a Request for Interchange is submitted reflecting that Interchange Schedule within 60 minutes of the start of the scheduled Interchange if a Reliability Coordinator directs the scheduling of Interchange for actual or anticipated reliability-related reasons. [*Violation Risk Factor: Lower*] [*Time Horizon: Real Time Operations*]
- M3.** The Sink Balancing Authority shall have evidence such as dated and time-stamped electronic logs or other evidence that a Request for Interchange was submitted reflecting that Interchange Schedule within 60 minutes of the start of any scheduled Interchange that was directed by a Reliability Coordinator for actual or anticipated reliability-related reasons. (R3)

## **C. Compliance**

### **1. Compliance Monitoring Process**

#### **1.1. Compliance Enforcement Authority**

Regional Entity

#### **1.2. Evidence Retention**

The Balancing Authority shall keep data or evidence to show compliance as identified below unless directed by its Compliance Enforcement Authority (CEA) to retain specific evidence for a longer period of time as part of an investigation. For instances where the evidence retention period specified below is shorter than the time since the last audit, the CEA may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.

- The Balancing Authority shall maintain evidence to show compliance with R1, R2, and R3, for the most recent three calendar months plus the current month.
- If a Balancing Authority is found non-compliant, it shall keep information related to the non-compliance until found compliant.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

#### **1.3. Compliance Monitoring and Assessment Processes:**

Compliance Audit

Self-Certification

Spot Checking

Compliance Investigation

Self-Reporting

Complaint

#### **1.4. Additional Compliance Information**

None

Table of Compliance Elements

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
<b>R1</b>	Real Time Operations	Lower	The Balancing Authority that experienced a loss of resources covered by an energy sharing agreement or other reliability needs covered by an energy sharing agreement ensured that a Request for Interchange was submitted, and it was submitted with a start time more than 60 minutes, but not more than 75 minutes, following the resource loss when the use of the energy sharing agreement exceeded 60 minutes.	The Balancing Authority that experienced a loss of resources covered by an energy sharing agreement or other reliability needs covered by an energy sharing agreement ensured that a Request for Interchange was submitted, and it was submitted with a start time more than 75 minutes, but not more than 90 minutes, following the resource loss when the use of the energy sharing agreement exceeded 60 minutes.	The Balancing Authority that experienced a loss of resources covered by an energy sharing agreement or other reliability needs covered by an energy sharing agreement ensured that a Request for Interchange was submitted, and it was submitted with a start time more than 90 minutes, but not more than 120 minutes, following the resource loss when the use of the energy sharing agreement exceeded 60 minutes.	The Balancing Authority that experienced a loss of resources covered by an energy sharing agreement or other reliability needs covered by an energy sharing agreement ensured that a Request for Interchange was submitted, and it was submitted with a start time more than 120 minutes following the resource loss when the use of the energy sharing agreement exceeded 60 minutes.  OR The Balancing Authority that experienced a loss of resources covered by an energy sharing agreement or other reliability needs covered by an energy sharing agreement did not ensure that a Request for Interchange was submitted following the resource loss when the use of the energy sharing agreement exceeded 60 minutes.
<b>R2</b>	Real Time Operations	Lower	N/A	N/A	N/A	The Sink Balancing Authority did not ensure that a Reliability Adjustment

**Standard INT-010-2 — Interchange Initiation and Modification for Reliability**

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R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
						Arranged Interchange reflecting a modification was submitted within 60 minutes following the start of that modification.
<b>R3</b>	Real Time Operations	Lower	N/A	N/A	N/A	The Sink Balancing Authority did not ensure that a Request for Interchange reflecting the Interchange Schedule was submitted within 60 minutes following the start of that scheduled Interchange.

**D. Regional Variances**

None.

**E. Interpretations**

None.

**F. Associated Documents**

None.

### Guidelines and Technical Basis

#### General Considerations for Curtailments of Dynamic Transfers

The unique handling of Curtailments of Dynamic Transfers is described in NERC's Dynamic Transfer Reference Guidelines, Version 2.

For Dynamic Schedules:

**If transmission service between the Source and Sink BA(s) is curtailed then the allowable range of the magnitude of the schedules between them, including Dynamic Schedules, may have to be curtailed accordingly. All BAs involved in a Dynamic Schedule Curtailment must also adjust the Dynamic Schedule Signal input to their respective ACE equations to a common value. The value used must be equal to or less than the curtailed Dynamic Schedule tag. Since Dynamic Schedule tags are generally not used as Dynamic Transfer Signals for ACE, this adjustment may require manual entry or other revision to a telemetered or calculated value used by the ACE.**

For Pseudo-Ties:

**If transmission service between the Native and Attaining BA(s) is curtailed, then the allowable range of the magnitude of the Pseudo-Ties between them must be limited accordingly to these constraints.**

Both sections above describe when Curtailments (typically communicated through e-Tags) of Dynamic Transfers require additional action by Balancing Authorities to ensure compliance with the Curtailment.

Curtailments of most tagged transactions are implemented through a change in the Source and Sink Balancing Authorities' ACE equations. However, changes, including Curtailments, in Dynamic Schedule and Pseudo-Tie tagged transactions do not change the Source and Sink Balancing Authorities' ACE equations directly. These types of transactions impact the ACE equation via the Dynamic Transfer Signal, not by the e-Tag. As such, Balancing Authorities need to develop additional automation or perform additional manual actions to reduce the Dynamic Transfer Signal in order to comply with the Curtailment.

#### Rationale:

During development of this standard, text boxes were embedded within the standard to explain the rationale for various parts of the standard. Upon BOT approval, the text from the rationale text boxes was moved to this section.

#### Rationale for R1:

This requirement was originally revised to replace the term "Request for an Arranged Interchange" with the defined term "Request for Interchange (RFI)" within the requirement. Additional clarification was requested regarding "energy sharing agreement." There is no NERC Glossary term for this and the CISDT believes that one is not required as these agreements are used for immediate reliability purposes. These could be regional, local, or regulatory reliability agreements which would include the applicable conditions under which the energy could be scheduled.

## Application Guidelines

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### Version History

Version	Date	Action	Change Tracking
1	May 2, 2006	Board of Trustees Adoption	New
1	March 16, 2007	FERC Approval	New
2	February 6, 2014	Board of Trustees Adoption	Revised
2	June 30, 2014	FERC letter order issued approving INT-010-2	



This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

**A. Introduction**

- 1. Title:** Interchange Initiation and Modification for Reliability
- 2. Number:** INT-010-2
- 3. Purpose:** No specific provision
- 4. Applicability:** No specific provision
- 5. Effective Date:**
  - 5.1.** Adoption of the standard by the Régie de l'énergie: Month xx, 201x
  - 5.2.** Adoption of the appendix by the Régie de l'énergie: Month xx, 201x
  - 5.3.** Effective date of the standard and its appendix in Québec: Month xx, 201x
- 6. Background:** No specific provision

**B. Requirements and measures**

No specific provision

**C. Compliance**

- 1. Compliance Monitoring Process**
  - 1.1. Compliance Enforcement Authority**

The Régie de l'énergie is responsible, in Québec, for compliance monitoring with respect to the reliability standard and its appendix that it adopts.
  - 1.2. Evidence retention**

No specific provision
  - 1.3. Compliance Monitoring and Assessment Processes**

No specific provision
  - 1.4. Additional Compliance Information**

No specific provision

**Table of Compliance Elements**

No specific provision

**D. Regional Differences**

No specific provision.

**E. Interpretations**

No specific provision

**Standard INT-010-2 — Interchange Initiation and Modification for reliability**

**Appendix QC-INT-010-2**

**Provisions specific to the standard INT-010-2 applicable in Québec**

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**F. Associated Documents**

No specific provision

**Guidelines and Technical Basis**

No specific provision

**Revisions History**

Revision	Adoption Date	Action	Change Tracking
0	Month xx 201x	New appendix	New

### A. Introduction

1. **Title:** Intra-Balancing Authority Transaction Identification
2. **Number:** INT-011-1
3. **Purpose:** To ensure that transfers within a Balancing Authority Area using Point to Point Transmission Service are communicated and accounted for in congestion management procedures.
4. **Applicability:**
  - 4.1. **Functional Entities:**
    - 4.1.1. Load-Serving Entities

5. **Effective Date:**

The first day of the first calendar quarter that is six months after the date that this standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is six months after the date this standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

6. **Background:**

This standard was created in response to a FERC directive in Order 693, paragraph 817: *In addition, e-Tagging of such transfers was previously included in INT-001-0 and the Commission is aware that such transfers are included in the e-Tagging logs. In short, the practice already exists, but if this Requirement is removed from INT-001-2, no Reliability Standard would require that such information be provided. We therefore will adopt the directive we proposed in the NOPR and direct the ERO to include a modification to INT-001-2 that includes a Requirement that interchange information must be submitted for all point-to-point transfers entirely within a balancing authority area, including all grandfathered and “non-Order No. 888” transfers.*

The transfers within a Balancing Authority Area using Point to Point Transmission Service can impact transmission congestion, and this standard ensures that these transfers are communicated and accounted for in congestion management procedures.

### B. Requirements and Measures

- R1.** Each Load-Serving Entity that uses Point to Point Transmission Service for intra-Balancing Authority Area transfers shall submit a Request for Interchange unless the information about intra-Balancing Authority transfers is included in congestion management procedure(s) via an alternate method. *[Violation Risk Factor: Lower]*  
*[Time Horizon: Operations Planning, Same-day Operations]*
- M1.** Each Load-Serving Entity subject to R1 shall have evidence, such as dated and time-stamped electronic records, documentation of congestion management procedures, or other similar evidence, that a Request for Interchange was submitted for each Point to

Point Transmission Service intra-Balancing Authority transfer subject to R1 or that each intra-Balancing Authority transfer subject to R1 was accounted for in congestion management procedure(s) via an alternate method. (R1)

## **C. Compliance**

### **1. Compliance Monitoring Process**

#### **1.1. Compliance Enforcement Authority**

Regional Entity

#### **1.2. Evidence Retention**

The Load-Serving Entity shall keep data or evidence to show compliance with R1 for the most recent three months plus the current month unless directed by its Compliance Enforcement Authority to retain specific evidence for a longer period of time as part of an investigation.

If an entity is found non-compliant, it shall keep information related to the non-compliance until found compliant.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

#### **1.3. Compliance Monitoring and Assessment Processes:**

Compliance Audit

Self-Certification

Spot Checking

Compliance Investigation

Self-Reporting

Complaint

#### **1.4. Additional Compliance Information**

None

Table of Compliance Elements

R #	Time Horizon	VRF	Violation Severity Levels			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
<b>R1</b>	<i>Operations Planning, Same-day Operations</i>	<i>Lower</i>	N/A	N/A	N/A	The Load-Serving Entity used Point to Point Transmission Service for an intra-Balancing Authority Area transfer, and did not submit a Request for Interchange for an intra-Balancing Authority transfer that is not included in congestion management procedure(s) via an alternate method.

**D. Regional Variances**

None.

**E. Interpretations**

None.

**F. Associated Documents**

None.

## Application Guidelines

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### Version History

Version	Date	Action	Change Tracking
1	February 6, 2014	Adopted by the NERC Board of Trustees	New standard developed
1	June 30, 2014	FERC letter order issued approving INT-011-1.	

## Standard INT-011-1 — Intra-Balancing Authority Transaction Identification

### Appendix QC-INT-011-1

#### Provisions specific to the standard INT-011-1 applicable in Québec

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This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

#### A. Introduction

1. **Title:** Intra-Balancing Authority Transaction Identification
2. **Number:** INT-011-1
3. **Purpose:** No specific provision
4. **Applicability:** No specific provision
5. **Effective Date:**
  - 5.1. Adoption of the standard by the Régie de l'énergie: Month xx, 201x
  - 5.2. Adoption of the appendix by the Régie de l'énergie: Month xx, 201x
  - 5.3. Effective date of the standard and its appendix in Québec: Month xx, 201x
6. **Background:** No specific provision

#### B. Requirements and measures

No specific provision

#### C. Compliance

1. **Compliance Monitoring Process**
  - 1.1. **Compliance Enforcement authority**

The Régie de l'énergie is responsible, in Québec, for compliance monitoring with respect to the reliability standard and its appendix that it adopts.
  - 1.2. **Evidence Retention**

No specific provision
  - 1.3. **Compliance Monitoring and Assessment Processes**

No specific provision
  - 1.4. **Additional Compliance Information**

No specific provision

#### Table of Compliance Elements

No specific provision

#### D. Regional Variances

No specific provision

#### E. Interpretations

No specific provision

## Standard INT-011-1 — Intra-Balancing Authority Transaction Identification

### Appendix QC-INT-011-1

#### Provisions specific to the standard INT-011-1 applicable in Québec

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#### F. Associated Documents

No specific provision

#### Revision History

Revision	Adoption Date	Action	Change Tracking
0	Xx month 201x	New appendix	New