

311 ALBERTA-BC INTERCHANGE VERIFICATIONS

1. Purpose

To define the policies and procedures for the System Controller (SC) in verifying scheduled interchange and actual interchange for the Alberta-BC interconnection.

2. Background

According to the Inadvertent Interchange Energy Accounting Practices of the North American Electric Reliability Council (NERC), verifications are required at least once daily on scheduled net interchange (MWh) and actual net interchange for on-peak and off-peak periods between adjacent control areas.

Actual net interchange between the Alberta Interconnected Electric System (AIES) and the British Columbia Transmission Corporation (BCTC) system is the sum of metered volumes by the revenue meters, corrected to the border, at Natal, Pocaterra and Langdon. The meters are read via telemetry by both control areas. Discrepancies can be caused by such factors as read-time differences between the control areas and telemetry problems in either control area.

The SC uses the webTrans program to track all interchange data. WebTrans interfaces with the OATI e-tag system, automatically approving e-tags, setting schedules and tracking inadvertent.

3. Policy

- Inadvertent interchange is the difference between actual net interchange and scheduled net interchange. This amount is calculated hourly and is updated on the System Controller Display in the Scheduling menu of webTrans.
- The accumulated inadvertent interchange volumes are separately recorded as on-peak and off-peak periods as per the NERC definition. This amount is also automatically calculated on the System Controller Display in the Scheduling menu of webTrans. The amounts are automatically carried over from end-of-day to the next day webTrans System Controller Display.
- Every hour, the Alberta-BC interchange data for the previous hour is automatically submitted to the Control Area Scheduling Service Organization (CASSO), which is responsible for reconciling interchange data for the Northwest Power Pool area.
- Verifications of cumulative energy transfer and daily inadvertent total are performed four times daily with BCTC as shown in [Table 1](#).
- The webTrans System Controller Display will be revised as required when discrepancies with BCTC are resolved.
- Both control areas will use reasonable efforts to agree on the hourly scheduled net interchange and actual net interchange.
- Any unresolved disagreement will be reported to the Manager of the System Coordination Centre by the next business day.

4. Responsibilities

4.1 ISO

The ISO will:

- Ensure this OPP is updated as required.
- Work to resolve inadvertent total disagreements with BCTC.

System Controller

The SC will:

- Verify interchange data with BCTC.
- Initiate all interchange verifications between Alberta and BC.

4.2 BCTC Burnaby Generation Operator

The BCTC Burnaby Generation Operator will verify interchange data with the SC.

4.3 CASSO

CASSO will reconcile interchange data for the Northwest Power Pool area.

5. System Controller Procedures

5.1 Verifications with BCTC

As shown in [Table 1](#), during HE 0700, 1500, 2300 and 0200, Mountain Prevailing Time, the SC will:

1. Contact the BCTC Burnaby Generation Operator.
2. Refer to the webTrans System Controller Display for the time period corresponding to the time of call as indicated in [Table 1](#) and verify:
 - a. The cumulative energy transfer.
 - b. The daily inadvertent total.
3. If there is disagreement with BCTC on any of the above numbers, check the hourly net scheduled interchange and actual interchange within the verification time period.
4. If agreed upon with the BCTC Burnaby Generation Operator, change any of the above values on the webTrans System Controller Display :
 - a. Select the cell that contains the data that requires changing.
 - b. Enter the new data in the popup window that appears.
 - c. In the popup window click the Enter Values button.
5. If there is any unresolved disagreement with BCTC, notify the Manager, System Coordination Centre by the next business day.

6. Figures and Tables

Table 1

Daily interchange verification schedule with BCTC

Time of Call (Mountain Prevailing Time)	Period to Verify (Mountain Prevailing Time)
During HE 0700	HE 0200 to HE 0600
During HE 1500	HE 0700 to HE 1400
During HE 2300	HE 1500 to HE 2200
During HE 0200	HE 2300 to HE 0100

7. Revision History

Issued	Description
2004-03-03	Supersedes 2003-07-28
2003-07-28	Revised to ISO Operating Policies and Procedures