

## **PROCESSING OF SHORT TERM TRANSMISSION SERVICE REQUESTS**

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### **1.0 OVERVIEW**

BC Hydro's [Open Access Transmission Tariff](#) (OATT) requires that all transmission service requests be made on BC Hydro's OASIS (Open Access Same-Time Information System). For information on how to submit a Transmission Service Request (TSR) on BC Hydro's OASIS, refer to BC Hydro's OATT Business Practices on *Submitting a Short Term Transmission Request*. If OASIS is not functioning, BC Hydro will post a bulletin to advise of the OASIS outage and instruct the Transmission Customers how to submit an application for transmission service.

Transmission Service Requests (TSRs) are received and processed according to the path and the chronological order in which they are queued in BC Hydro's OASIS.

These Business Practices provide clarification of the rules, standards and practices used by BC Hydro to implement its OATT. While the terms of BC Hydro's OATT and these Business Practices govern, customers should also refer to the NAESB WEQ Business Standards and WECC Regional Criteria which BC Hydro has followed in most, but not all, respects. BC Hydro also complies with the Mandatory Reliability Standards adopted by the BCUC.

### **2.0 TSR VALIDATION**

BC Hydro validates each attribute on submitted TSRs, including but not limited to:

- Submission time
- Valid Path and POR/POD combination
- MW Requested
- Bid Price
- Service Increment
- Start/Stop time
- Pre-confirm

#### **2.1 Confirmation Timelines**

If a Transmission Customer submits the TSR PRECONFIRMED = NO, and BC Hydro, after validation, accepts the TSR, the status of the TSR is changed to ACCEPTED. An ACCEPTED TSR is not a contract unless the Transmission Customer confirms it on OASIS

within the confirmation timelines outlined in Table 1 below. BC Hydro will not contact (via email, telephone or fax) the Transmission Customer to notify them that a confirmation is required. It is the Transmission Customer’s responsibility to monitor the status of its TSRs on OASIS and to act accordingly within the time limits specified.

**Table 1: Confirmation Timeline Table – Pre-confirmation**

Class	Service Increment	Customer Confirmation Limit after ACCEPTED
Non-Firm	Hourly (Real Time)	5 minutes
	Hourly (Pre-schedule)	10 Minutes
	Daily	10 Minutes
	Weekly	30 Minutes
	Monthly	2 Hours
Firm	Hourly (Real Time)	5 minutes
	Hourly (Pre-schedule)	10 Minutes
	Daily	10 Minutes
	Weekly	30 Minutes
	Monthly	2 Hours

## 2.2 Counteroffer

BC Hydro will counteroffer when there is insufficient ATC to meet the request in full. BC Hydro will change the TSR status to COUNTEROFFER with the available capacity. The Transmission Customer will need to act on the COUNTEROFFER in OASIS within the confirmation timelines outlined in Table 2 below. BC Hydro will not contact (via email, telephone or fax) the Transmission Customer to notify them that a confirmation is required. It is the Transmission Customer’s responsibility to monitor the status of its TSRs on OASIS and to act accordingly within the time limits specified.

**Table 2: Confirmation Timeline Table – Counteroffer**

Class	Service Increment	Customer Confirmation Limit after COUNTEROFFER
Non-Firm	Hourly (Real Time)	5 minutes
	Hourly (Pre-schedule)	10 Minutes
	Daily	10 Minutes
	Weekly	30 Minutes
	Monthly	2 Hours
Firm	Hourly (Real Time)	5 minutes
	Hourly (Pre-schedule)	10 Minutes
	Daily	10 Minutes
	Weekly	30 Minutes
	Monthly	2 Hours

### 3.0 DURATION

Duration is defined as the number of transmission service increments with a non-zero MW profile between the Start Time and Stop Time. Varying MW profiles for each transmission service increment is permitted between the Start Time and Stop Time. Refer to BC Hydro's OATT Business Practice on *Submitting a Short Term Transmission Service Request* for more information on TSR MW profiles.

Examples:

#### 1. Hourly

OASIS TSR #	HE 01	HE 02	HE 03	HE 04	HE 05	HE 06	Duration
700001	5	4	2				3
700003	3	0	3	0	3		3
700002	1	1	1	1	1	1	6
700004	2	1	5	2	1	3	6

#### 2. Daily

OASIS TSR #	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Duration
700005	5	4	2				3
700006	3	0	3	0	3		3
700007	1	1	1	1	1	1	6
700008	2	1	5	2	1	3	6

#### 3. Weekly

OASIS TSR #	Week 1	Week 2	Week 3	Week 4	Duration
700009	5	4	2		3
700010	3	0	3	3	3
700011	1	1	1	1	4
700012	2	1	5	2	4

#### 4. Monthly

OASIS TSR #	Month 1	Month 2	Month 3	Month 4	Month 5	Duration
700013	5	4	2			3
700014	3	0	3	0	3	3
700015	1	1	1	1	1	5
700016	2	1	5	2	1	5

#### **4.0 BID PRICE**

The Bid Price must be equal to or greater than the posted Offer Price up to the maximum Tariff price, as set out in Rate Schedule 01 of BC Hydro's OATT and it must be in the appropriate service increment (i.e. \$/MW-Hour, \$/MW-Day; \$/MW-Week; \$/MW-Month); otherwise the TSR will be INVALID.

#### **5.0 PROCESSING OF THE 5 MINUTE SIMULTANEOUS SUBMISSION WINDOW REQUESTS (Midnight Bidding)**

Per Sections 13.2(e) and 14.2 of BC Hydro's OATT, BC Hydro has established a 5 Minute Simultaneous Submission Window (SSW) for Short-Term Firm and Non-Firm TSRs with an earliest time at which requests may be submitted. The tables in Section 3.3 and 3.4 of BC Hydro's OATT Business Practice on *Submitting a Short Term Transmission Service Request* identify the earliest submission time for the applicable services – monthly, weekly, daily and hourly.

**The 5 Minute SSW will be from 00:00:00 to 00:05:00.** Requests submitted within the 5 minute window shall be deemed to have been submitted simultaneously. Requests submitted within this window will not be publicly made available until the window has closed. Refer to BC Hydro's OATT Business Practice on *Submitting a Short Term Transmission Service Request* on the process for submitting transmission requests during this window.

At the close of the 5 Minute SSW, BC Hydro will allocate transmission capacity to valid submitted TSR's as follows:

1. Sort the TSRs into separate and equal priority groupings based on Duration, Pre-confirmation status and Bid Price.
2. Randomly assign a customer pick-order once, and use that pick-order for repeated draws from each priority grouping, beginning with the highest priority grouping.
3. Conduct iterative picks of customers' TSRs from each priority grouping and grant ATC requested until no TSRs remain in that priority grouping or ATC is exhausted.
4. Once all TSRs in a given priority grouping are exhausted, proceed to the next highest priority grouping (as defined in Step 1 above) and repeat Step 3 above using the same customer pick-order in sequence, from the point left off in the prior grouping until ATC is exhausted or no TSRs remain in the priority grouping.
5. BC Hydro will COUNTEROFFER if any remaining ATC exists and cannot meet the requested capacity of the TSR.

#### **6.0 RESERVATION PRIORITY**

Pursuant to Sections 13.2 and 14.2 of BC Hydro's OATT, reservation priorities of Short-Term Firm and Non-Firm Point-to-Point (PTP) TSR (Challenger) over earlier-submitted conditional requests

or reservations (Defender) is set according to Duration, Pre-confirmation, Bid price, and date/time of the request or reservation.

Sections 3.3 and 3.4 of BC Hydro’s OATT Business Practice on *Submitting a Short- Term Transmission Service Request* outlines the conditional time period for each service increment.

A Challenger must submit a Firm and/or Non-Firm TSR on the Working Day prior to start of service by 9:00:00 PPT, within the conditional period, in order for it to compete in the displacement process, which concludes at 10:00:00 PPT for Day+1 competitions. Competitions for Day+2 and beyond, within the conditional period, will continue until 14:00:00 PPT.

**6.1 Pre-emption (Displacements)**

A, CONFIRMED, ACCEPTED or PENDING TSR may be pre-empted or displaced by a higher priority TSR with no Right of First Refusal (ROFR). Pre-emption only occurs in Pre-schedule and only up until the conditional time period. Table 3 below outlines the pre-emption priorities.

**Table 3: Priorities for Competing Reservation Requests**

<b>TSR 1 (Defender)</b>	<b>TSR 2 (Challenger)</b>	<b>Result</b>
Conditional Short Term Firm and Non-Firm PTP (Confirmed or Pending)	Long Term Firm PTP	TSR 1 will be DISPLACED or SUPERSEDED
Pending, Pre-confirmed Short Term Firm PTP	Pre-confirmed Short Term Firm of higher service increment	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Firm for same service increment but longer duration	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Firm for same service increment, equal duration but higher price	TSR 1 will be DISPLACED or SUPERSEDED
Pending, not Pre-confirmed Short Term Firm PTP	Pre-confirmed Short Term Firm of higher service increment	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Firm for same service increment and of equal or longer duration	TSR 1 will be DISPLACED or SUPERSEDED
Pending, Pre-confirmed Short Term Non-Firm PTP	Pre-confirmed Short Term Non-Firm of higher service increment	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Non-Firm for same service increment but of longer duration	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Non-Firm for same service increment, equal duration but higher price	TSR 1 will be DISPLACED or SUPERSEDED

Pending, not Pre-confirmed Short Term Non Firm PTP	Pre-confirmed Short Term Non-Firm of higher service increment	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Non-Firm for same service increment and of equal or longer duration	TSR 1 will be DISPLACED or SUPERSEDED
	Pre-confirmed Short Term Non-Firm for same service increment, equal duration but higher price	TSR 1 will be DISPLACED or SUPERSEDED

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## 6.2 **Competition (Right of First Refusal)**

If there is insufficient capacity to satisfy all requests and reservations for Short Term Firm PTP transmission service, a Transmission Customer with a CONFIRMED TSR for shorter duration or equal duration and lower price has the Right of First Refusal (ROFR) to match any longer term or equal duration with a higher price request.

For Redirects on a Non-Firm bases, the ROFR applies the primary transmission reservation (parent reservation), not on the redirected secondary service.

Competition (ROFR) can only occur in Pre-schedule and only up until the conditional time period as defined in the tables of Section 3.3 and 3.4 of BC Hydro’s OATT Business Practice on *Submitting a Short-Term Transmission Service Request*. Table 4 below outlines the TSR priorities for Competition.

**Table 4: Priorities for Competing Reservation Requests**

<b>TSR 1 (Defender)</b>	<b>TSR 2 (Challenger)</b>	<b>Result</b>
CONFIRMED Conditional Short-Term Firm PTP	Pre-confirmed Short-Term Firm of higher service increment	TSR 1 has ROFR
	Pre-confirmed Short-Term Firm for same service increment but of longer duration	TSR 1 has ROFR
	Pre-confirmed Short-Term Firm for same service increment, equal duration but higher price	TSR 1 has ROFR
CONFIRMED Conditional Short-Term Non-Firm PTP	Pre-confirmed Short-Term Non-Firm of higher service increment	TSR 1 has ROFR
	Pre-confirmed Short-Term Non-Firm for same service increment but of longer duration	TSR 1 has ROFR

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Automated processing of new submitted TSRs and ATC for all affected paths where Competition is in process will be held until the Competition process is complete. TSRs shall remain QUEUED in OASIS.

### 6.3 **ROFR – Right of First Refusal Process**

#### 6.3.1 **One-to-One Competition**

When a competition process is initiated, BC Hydro will, for the affected CONFIRMED TSR (the Defender):

- RECALL the capacity amount that is in competition or DISPLACE the TSR if the RECALL is for the entire capacity;
- set the Competing flag to “Yes”;
- update the Seller Comments to indicate the OASIS ID (ARef) of the Challenger;
- ATC Offerings will be updated to reflect the recall or displacement.

BC Hydro will not contact (via email, phone or fax) the Defender to notify it that a competition has been initiated.

BC Hydro has set the competition window to start at 6:00:00 every working day as required and remains open until 14:00:00. The Defender must submit a MATCHING request according to the timelines outlined in Table 5 below. The Defender can only submit one MATCHING request within the submission deadline. If the Defender submits multiple MATCHING TSRs, only the first QUEUED MATCHING TSR will be used for evaluating the competition, the others will be INVALID. The MATCHING request can exceed the Challenger’s duration but it must contain the Defender’s original capacity profile.

**Table 5: Matching Timeline**

<b>Class</b>	<b>Service Increment</b>	<b>Defender Matching Submission Deadline</b>
Non-Firm	Hourly	10 Minutes
	Daily	10 Minutes
	Weekly	30 Minutes
	Monthly	2 Hours
Firm	Hourly	10 Minutes
	Daily	10 Minutes
	Weekly	30 Minutes
	Monthly	2 Hours

BC Hydro will COUNTEROFFER the Defender or the Challenger if any remaining ATC exists, and cannot meet the requested capacity of the MATCHING or Challenger TSR. The Transmission Customer will need to act on the COUNTEROFFER according to the Timing table outlined in Table 2 of Section 2.2

above. BC Hydro will not contact (via email, telephone or fax) the Transmission Customer to notify it that a confirmation is required.

### 6.3.2 Simultaneous Matching Submission Window

When a subsequent Pre-confirmed Short-Term TSR (Challenger) of a higher priority attempts to displace multiple CONFIRMED Short-Term TSRs (Defenders) during the conditional period to obtain limited ATC, the Defenders will have a simultaneous opportunity to exercise ROFR.

The Challenger must be for a fixed capacity over the term of the request; it cannot have varying MW over the duration of the request.

Example:

Valid Challenger

	HE 1	HE 2	HE 3	HE 4	HE 5	HE 6
TSR 1	5 MW	5 MW	5 MW	5 MW	5 MW	5 MW

Invalid Challenger

	HE 1	HE 2	HE 3	HE 4	HE 5	HE 6
TRS 1	5 MW	3 MW	5 MW	2 MW	1 MW	1 MW

When the Competition process is initiated for the simultaneous matching submission window, BC Hydro will, for each affected CONFIRMED TSR (the Defenders):

- RECALL the capacity amount that is in competition or DISPLACE the TSR if the RECALL is for the entire capacity;
- set the Competing flag to “Yes”;
- update the Seller Comments to indicate the OASIS ID (ARef) of the Challenger;
- ATC Offerings will be updated to reflect the recalls and/or displacements.

BC Hydro will not contact (via email, telephone or fax) the Defenders to notify them that a competition has been initiated; Transmission Customer must monitor their TSRs on OASIS.

BC Hydro has set the competition window to start at 6:00:00 PPT every working day as required and remains open until 14:00:00 PPT. The Defenders have until the submission deadlines, defined in Table 5 above, to submit MATCHING TSRs. Each Defender can only submit one MATCHING TSR within the submission deadline. If multiple MATCHING TSRs are submitted by a Defender, only the first QUEUED TSR of each Defender will be used for evaluating the competition, the others will be INVALID.



MATCHING requests submitted during the simultaneous matching submission window will not be masked. The MATCHING request can exceed the Challenger’s duration but it must contain the Defender’s original capacity profile. A MATCHING request will be INVALID if the extended duration is greater than ATC.

Example:

Original ATC (MW)

HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8
10	10	10	10	10	5	5	5

Defender 1

HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8
10	10	10					

Challenger

HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8
5	5	5	5	5	5		

Valid Matching

HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8
10	10	10	10	10	5	5	5

Invalid Matching

HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8
10	10	10	10	10	10	10	10

Insufficient ATC for these hours

Once the matching submission timeline closes, BC Hydro will determine the order of which Defender will be granted using the following criteria:

- 1) **Duration,**
- 2) **Bid Price and**
- 3) **Queue time**

of the MATCHING TSR. BC Hydro will act on each MATCHING TSR according to the order until all ATC has been awarded. BC Hydro will COUNTEROFFER the Defender or the Challenger if any remaining ATC exists, and cannot meet the requested capacity of the MATCHING or Challenger TSR. The Customer will need to act on the COUNTEROFFER according to the Timing table outlined in Table 2 of Section 2.2 above. BC Hydro will not contact (via email, telephone or fax) the customer to notify it that a confirmation is required.

**Document Change History**

<b>Issue</b>	<b>Reason for Issue</b>	<b>Date</b>
2	Clarified language to remove ambiguity.	June 27, 2012
1	Updated procedures per OATT Amendments, approved October 21, 2009. Previous Business Practice 5 and 6.	November 1, 2010

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