



# BB DATA SUBMISSION PROCEDURES VERSION 3.0

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## VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	30 September 2018	First issue
2.0	17 December 2018	Updated for the National Gas (Capacity Trading and Auctions) Amendment Rule 2018
3.0	1 March 2019	Updated to include Auction Curtailment Notices and Daily Auction Curtailment Notices as required under the National Gas (Capacity Trading and Auctions) Amendment Rule 2018.



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## 1. OVERVIEW

### 1.1 Purpose

These BB Data Submission Procedures specify the requirements for submitting the following information to AEMO for the Natural Gas Services Bulletin Board:

- *BB reporting entities* to submit forecast and actual data and information on curtailed quantities of auction services; and
- capacity sellers or their agents to submit capacity transaction information.

These BB Data Submission Procedures form part of the *BB Procedures*. If there is any inconsistency between these BB Data Submission Procedures and the document named the 'BB Procedures', the document named the 'BB Procedures' prevails.

In relation to *transitional compression facilities*:

- these BB Data Submission Procedures specify the requirements for registered *transportation service providers for transitional compression facilities* to submit forecast and actual data to AEMO for the Natural Gas Services Bulletin Board;
- these BB Data Submission Procedures should be read in conjunction with section 25 of the *Capacity Transfer and Auction Procedures*; and
- if there is any inconsistency between these BB Data Submission Procedures and the *Capacity Transfer and Auction Procedures*, the *Capacity Transfer and Auction Procedures* prevail.

### 1.2 Application

These BB Data Submission Procedures apply to AEMO and each person to whom they are expressed to apply under the National Gas Law or Rules.

These BB Data Submission Procedures also apply to the *transportation service provider for a transitional compression facility* registered with AEMO under the *Capacity Transfer and Auction Procedures* in accordance with section 91BRR of the Law.

### 1.3 Terminology and Definitions

The words, phrases and abbreviations set out below have the meanings set out opposite them when used in these BB Data Submission Procedures. Terms defined in the National Gas Law or the Rules have the same meanings in these BB Data Submission Procedures unless otherwise specified in this clause. Those terms are intended to be identified in these BB Data Submission Procedures by italicising them, but failure to italicise a defined term does not affect its meaning.

#### 1.3.1 Abbreviations

Abbreviation	Abbreviation explanation
AEMO	Australian Energy Market Operator.
API	Application Programming Interface.
BB	The Natural Gas Services Bulletin Board.
CSV	Comma Separated Values. Stores tabular data (numbers and text) in plain-text form. Plain text means the content is a sequence of characters, with no data that has to be interpreted instead, as binary numbers.
FTP	File Transfer Protocol – a protocol that allows users to copy files between any systems they can reach on the network.
HTTPS	Hypertext Transfer Protocol over SSL.
JSON	JavaScript Object Notation.
RESTful	Representational State Transfer.



Abbreviation	Abbreviation explanation
URL	Uniform Resource Locator.

### 1.3.2 Terms

Term	Definition
Authorised User	A person authorised by a <i>BB reporting entity</i> to submit information to the Bulletin Board for that <i>BB reporting entity</i> .
BB facility	<i>BB facility</i> within this document includes a <i>BB facility</i> as defined under Part 18 of the National Gas Rules and <i>transitional compression facilities</i> .
BB reporting entity	<i>BB reporting entity</i> within this document includes <i>BB reporting entity</i> as defined under Part 18 of the National Gas Rules and a <i>transportation service provider</i> for a <i>transitional compression facility</i> registered with AEMO under the <i>Capacity Transfer and Auction Procedures</i> in accordance with section 91BRR of the National Gas Law.
Connection Point	A <i>receipt point</i> or <i>delivery point</i> or, in relation to a <i>transitional compression facility</i> , a <i>compression delivery point</i> or <i>compression receipt point</i> .
BB Procedures	The BB Procedures made under Part 18 of the National Gas Rules, which comprise of the document named the BB Procedures and these BB Data Submission Procedures.
Declared Transmission System	The Declared Transmission System (DTS), also known as the Victorian Transmission System (VTS), transports natural gas within Victoria, supplying the Melbourne metropolitan area and country areas.
e-Hub	API Web Portal and the API Gateway for both electricity and gas.
Rules	The National Gas Rules.

## 1.4 Interpretation of these Procedures

The following principles of interpretation apply to these BB Data Submission Procedures unless otherwise expressly indicated:

- (a) These BB Data Submission Procedures are subject to the principles of interpretation set out in Schedule 2 of the National Gas Law.
- (b) References to time are references to Australian Eastern Standard Time.
- (c) References to rules or sub-rules are to the relevant provision in the Rules.
- (d) A reference to a change in capacity or quantity includes an increase or decrease.
- (e) Where these Procedures contain a summary of a Rule in italics, the summary is for ease of reference only and does not form part of the Procedures.



## 2. TECHNICAL OVERVIEW

The provision of data from *BB reporting entities* to the BB in these BB Data Submission Procedures are explained and divided into two key areas:

- Data transfer formats which includes the form, validation rules, and timing of submissions.
- Data transfer mechanisms to submit data to the BB, and how the success and failure of those submissions is communicated back to the submitter.

There are several methods available to submit data to the BB:

- BB website file upload: CSV file upload using the BB website upload page.
- CSV file transfer using FTP: CSV file upload using FTP.
- RESTful web services: HTTP POST request using a RESTful interface.

Any of the above-mentioned methods may be used depending on the IT systems and requirements of the *BB reporting entity*.

All *BB reporting entities* submitting data to the BB must be registered in accordance with the Rules to be given access credentials to the BB.

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AEMO will only offer FTP as a means to submit transactions until September 30<sup>th</sup> 2019. Support for this submission method will not be extending past this date. *BB reporting entities* looking to automate submissions should transition to the HTTPS JSON content transfer mechanism.

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### 3. DATA PROVISION REQUIREMENTS

In addition to the requirements in the National Gas Rules and the document named the *BB Procedures*, these BB Data Submission Procedures specifies provision of data from *BB reporting entities* to the BB as required by the Rules. This information includes the form, requirements, and timing of submissions.

Table 1 summarises the transaction data responsibilities of all parties as defined within Division 5 of the Rules.

**Table 1 Transaction data responsibilities**

BB Participant	Description	Reporting frequency	Production Facility Operators	Storage Facility Operators	Pipeline Operators	Transitional Compression Facility	Auction Facility Operators	Capacity sellers	Submission cut-off times
<u>Short Term Capacity Outlook</u>	Provides on each gas day D, the <i>BB facility</i> operator's good faith estimate of the daily capacity of the <i>BB facility</i> for gas days D+1 to D+7.	Daily	●	●	●	●			7:00 pm on gas day D.
<u>Daily Production and Flow</u>	Provides on each gas day D, the <i>BB facility</i> operator's daily gas flow data for injections and withdrawals at each connection point for gas day D-1.	Daily	●	●	●	●			1:00 pm on gas day D.
<u>Daily Storage</u>	Provides on each gas day D, the actual quantity of natural gas held in each <i>BB storage facility</i> at the end of gas day D-1.	Daily		●					1:00 pm on gas day D.
<u>Connection Point Nameplate Rating</u>	Provides the nameplate rating for each gate station connection point owned, controlled, or operated by the <i>BB pipeline</i> operator and connected to each of its <i>BB pipelines</i> .  Where a gate station connection point that is connected to a <i>BB pipeline</i> is not owned by the <i>BB pipeline</i> operator, the nameplate rating will be provided by the <i>BB pipeline</i> operator if available.  Provide the nameplate rating for each connection point on a <i>BB pipeline</i> or <i>transitional compression facility</i> .	Annually			●	●			31 March annually and whenever the standing capacity changes.
<u>Linepack Capacity Adequacy</u>	Provides on each gas day D, the <i>BB pipeline</i> or <i>transitional compression facility</i> operator's Linepack Capacity Adequacy (LCA) flag for gas days D to D+2.	Daily			●	●			7:00 pm on gas day D.



<a href="#">Medium Term Capacity Outlook</a>	Provides details of any activity expected to affect the daily capacity of a <i>BB pipeline</i> , <i>BB production</i> or <i>BB storage facility</i> in the next 12 months.	Adhoc	●	●	●				Whenever the Medium Term Capacity changes.
<a href="#">Nameplate Rating</a>	Provides the nameplate rating of each <i>BB facility</i> annually or information about any planned permanent capacity reduction or expansion due to modification of the <i>BB facility</i> .	Annually	●	●	●	●			31 March annually and whenever the standing capacity changes.
<a href="#">Nomination and Forecasts</a>	<ul style="list-style-type: none"> <li>For <i>BB pipelines</i> forming part of a Declared Transmission System, provides on each gas day D, the aggregated scheduled injections and withdrawals at each controllable system point for gas days D+1 and D+2.</li> <li>For all other <i>BB facility</i> operators, provides on each gas day D the aggregate nominated and forecast injections and withdrawals at each connection point for gas days D+1 to D+6.</li> </ul>	Daily	●	●	●	●			9:00 pm on gas day D.
<a href="#">Uncontracted Capacity Outlook</a>	<ul style="list-style-type: none"> <li>Uncontracted primary pipeline capacity on <i>BB pipelines</i> for the next 12 months. Note: This does not include <i>BB pipelines</i> in the Declared Transmission System.</li> <li>Uncontracted storage capacity on <i>BB storage facilities</i> for each of the next 12 months.</li> <li>Uncontracted primary compression capacity on <i>transitional compression facilities</i> for each of the next 12 months.</li> </ul>	Monthly		●	●	●			7:00 pm on the last gas day of each month.
<a href="#">BB Capacity Transaction</a>	Provides information on <i>BB capacity transactions</i> , excluding those concluded through the <i>gas trading exchange</i> .	Ad hoc						●	7:00 pm on the day required in Rule 190C (3)
<a href="#">Auction curtailment notice</a>	Provides a notice if an auction service is subject to curtailment in respect of a gas day.	Ad hoc						●	As soon as practicable after BB reporting entity becomes aware
<a href="#">Daily auction service curtailment notice</a>	Provides information about the amount of curtailed quantity of an auction service for each BB Auction Facility.	Daily						●	As per the Capacity Transfer and Auction Procedures

**Legend**

- Obligation under the *Rules* to provide data to AEMO.

### 3.1 Facility and Connection Point Identifiers

This section describes the changes to naming conventions for Facility Identifiers and Connection Point Identifiers Facility identifiers.

#### 3.1.1 Facility Identifiers

Facility identifiers used in transactions and reports subscribe to the following format:

5[2-8]((?!0000)[0-9]{4})

Item	Description	Values
1	Energy type identifier	5 Gas
2	State code of element	2 NSW and ACT 3 Victoria 4 Queensland 5 South Australia 6 Western Australia 7 Tasmania 8 Northern Territory
3	State based unique identifying number	1 to 9999

Facility identifiers have the following characteristics:

- Facility identifiers are defined and allocated by AEMO to *BB reporting entities* during the registration process.
- A *BB reporting entity* may report on multiple Facility Identifiers.

For example, Facility identifiers “520345” relates to an element (*BB reporting entity*) within NSW and ACT with a unique identifier of “0345” which is related to the gas industry.

#### 3.1.2 Connection Point Identifiers

Connection Point Identifiers used in transactions and reports subscribe to the following format:

1[2-8]((?!00000)[0-9]{5})

Item	Description	Values
1	Connection point identifier	1
2	State code of element	2 NSW and ACT 3 Victoria 4 Queensland 5 South Australia 7 Tasmania 8 Northern Territory
3	State based unique identifying number	1 to 99999

Connection Point Ids have the following characteristics:

- Connection Point Ids are defined and allocated by AEMO to *BB reporting entities* during the registration process.

- Individual Connection Point Ids will be assigned to support each injected or withdrawn gas flow from *BB pipelines* and *transitional compression facilities*.
- Individual Connection Point Ids may be assigned to *BB Production* and *BB Storage facilities* to support each injected or withdrawn gas flow.
- *BB reporting entities* must report flows into their respective facilities as receipts, and flows out of their respective facilities as deliveries, for each Connection Point Id.
- The state code element for a Connection Point Id corresponds to its physical location. In the case of *BB pipelines* that traverse multiple states, state codes for Connection Point Ids along the line can differ from that of other Connection Point Id and the pipeline's Facility Id.
- The 00001-99999 unique identifying number of a Connection Point Id to be unique for each state. Thus two Connection Point Ids in different states can have the same identifying number.

For example:

- Connection Point Id "1301000" relates to a connection point within Victoria with the state based unique numeric identifier of "01000".
- Connection Point Id "1401000" relates to a connection point within Queensland with the state based unique numeric identifier of "01000".

## 4. TRANSACTIONS

This section provides information on the form, requirements, and timing of submissions for gas transactions.

### 4.1 Short Term Capacity Outlook

<b>Purpose</b>	Provide on each gas day D the <i>BB facility</i> operator's good faith estimate of the daily capacity of the <i>BB facility</i> for gas days D+1 to D+7.
<b>Submission cut-off time</b>	Whenever there is a material change.
<b>Rollover</b>	Submitted values roll forward in the following manner: <ul style="list-style-type: none"> <li>The short term capacity outlook data is deemed to be unchanged for each of the gas days specified in the most recent submission; and</li> <li>For subsequent gas days the short term capacity outlook data is deemed to be the same as the data for the last gas day included in the most recent short term capacity outlook submission.</li> </ul>
<b>Required by</b>	<i>BB pipelines, BB production facilities, BB storage facilities and transitional compression facilities.</i>
<b>Exemptions</b>	No exemptions will be given for this submission.
<b>Notes</b>	<ul style="list-style-type: none"> <li>Submission can contain values for gas days from D up to D+7. In the case that the submission contains values for the current gas day (D), the submission is deemed to be an intra-day submission.</li> <li>Intra-day submissions for the current gas day (D) will be accepted up to the end of gas day.</li> <li>AEMO will always publish the latest Capacity Outlook submission, however a timeline of historic submissions may be reportable.</li> </ul>

#### 4.1.1 Data elements

<b>Data</b>	<b>Description</b>	<b>Mandatory</b>
Facility Id	A unique AEMO defined Facility identifier.	Yes
Gas Date	Date of gas day. Any time component supplied will be ignored. The gas day is that applicable under the pipeline contract or market rules.	Yes
Capacity Type	Capacity type may be: <ul style="list-style-type: none"> <li>Storage: Holding capacity in storage, or</li> <li>MDQ: Daily maximum firm capacity under the expected operating conditions.</li> </ul>	Yes
Outlook Quantity	Capacity Outlook quantity.	Yes
Flow Direction	Indicates whether the capacity is for a <i>BB storage facility's</i> capacity for injecting into or withdrawing from a <i>BB pipeline</i> . Flow Direction can be: <ul style="list-style-type: none"> <li>Receipt: The flow of gas <u>into</u> the <i>BB storage facility</i>, or</li> <li>Delivery: The flow of gas <u>out</u> of the <i>BB storage facility</i>.</li> </ul>	Conditional This field is mandatory for <i>BB storage facilities</i> with MDQ Capacity Type value. Otherwise leave this blank.
Capacity Description	Free text to describe the meaning of the capacity number provided, including a description of material factors that impact the capacity number and any other relevant information.  <i>For transitional compression facilities</i> this should include expected inlet and outlet pressures.	Conditional This information is mandatory for <i>BB pipelines</i> and <i>transitional compression facilities</i> . Otherwise leave this blank.
Receipt Location	The Connection Point Id that best represents the receipt location. In conjunction with the Delivery location, this will indicate direction and location of the capacity.	Conditional This information is mandatory for <i>BB pipelines</i> . Otherwise leave this blank.

Data	Description	Mandatory
Delivery Location	The Connection Point Id that best represents the delivery location. In conjunction with the receipt location, this will indicate direction and location of the capacity.	Conditional This information is mandatory for <i>BB pipelines</i> . Otherwise leave this blank.
Description	Free text facility use is restricted to a description for reasons or comments directly related to the quantity or the change in outlook quantity provided in relation to a <i>BB facility</i> and the times, dates, or duration for which those quantities or changes in quantities are expected to apply.	No

#### 4.1.2 Requirements

- Outlook Quantity values must be submitted in TJs accurate to three decimal places.
- *BB pipelines* are required to submit capacities for each direction in which natural gas can be transported on the pipeline. An Outlook Quantity must be submitted with a Capacity Description and the Delivery Receipt Points. For complex pipeline facilities that involve more than two directions of flow, more than two capacity quantities may be required.
- *Transitional compression facilities* are required to report capacity for the facility. The Outlook Quantity must be submitted with a Capacity Description, including expected inlet and outlet pressures. *BB storage facilities* are required to report capacity for receipts into, and deliveries from, the *BB storage facility* as well as the quantity of natural gas that can be held in storage.
- Where a facility's capacity is reduced to zero, a zero value must be submitted.
- Submissions must only contain *BB pipelines*, *BB production facilities*, *BB storage facilities* or *transitional compression facilities* operated by the *BB reporting entity*.

## 4.2 Daily Production and Flow

<b>Purpose</b>	Provide on each gas day D, the <i>BB facility</i> operator's daily gas flow data for receipts and deliveries.
<b>Submission cut-off time</b>	1:00 pm on gas day D.
<b>Rollover</b>	No rollover.
<b>Required by</b>	<i>BB pipelines</i> , <i>BB production facilities</i> , <i>BB storage facilities</i> and <i>transitional compression facilities</i> .
<b>Exemptions</b>	Two facilities connected to a single connection point may both be registered by AEMO. If one of these facilities is exempt from reporting flows for the connection point, submissions from that Facility Id in respect of the shared connection point are not mandatory.
<b>Notes</b>	<ul style="list-style-type: none"> <li>• Re-submissions and amendments on the initial submission are permitted. The BB Operator is notified if a re-submission is made after the submission cut-off time.</li> <li>• AEMO always publish the latest actual flow submission. However, a timeline of historic submissions may be reportable.</li> </ul>

#### 4.2.1 Data elements

Data	Description	Mandatory
Gas Date	Date of gas day. Any time component supplied will be ignored. The gas day is that applicable under the pipeline contract or market rules.	Yes

Data	Description	Mandatory
Actual Quantity	The actual quantity of gas that flowed into a <i>BB facility</i> or out of a <i>BB facility</i> , or The actual quantity of gas compressed by the <i>transitional compression facility</i> .	Conditional This field is mandatory where Quality is OK
Facility Id	A unique AEMO defined Facility identifier.	Yes
Connection Point Id	A unique AEMO defined connection point identifier.	Conditional This information is mandatory for <i>BB pipelines</i> . Otherwise leave this blank.
Flow Direction	Flow Direction can be: <ul style="list-style-type: none"> <li>Receipt: The flow of gas <u>into</u> the <i>BB facility</i>, or</li> <li>Delivery: The flow of gas <u>out</u> of the <i>BB facility</i>.</li> <li>N/A: Zero gas flows have been measured for the gas date or data is unavailable.</li> <li>Compressed: The action performed by the <i>transitional compression facility</i></li> </ul>	Yes
Quality	Indicates whether meter data for the gas date is available. Quality can be: <ul style="list-style-type: none"> <li>OK: Connection Point Actual Quantity data for gas flow into or out of the <i>BB facility</i> is based on meter data.</li> <li>Nil: Connection Point Actual Quantity data for gas flow into or out of the <i>BB facility</i> cannot be determined due to an operational issue.</li> </ul>	Yes

#### 4.2.2 Requirements

- Actual Quantity values represent physical gas flows and must be submitted in TJs accurate to three decimal places.
- Where there are zero gas flows at a connection point, an Actual Quantity of zero must be submitted with a flow direction of 'N/A' and Quality of 'OK'.
- 
- A *BB pipeline* must provide gas flow for each connection point during a gas day.
- Where a *BB storage* or *BB production* facility has flows in both directions during a gas day, an aggregated Actual Quantity and Flow Direction must be submitted for the facility.
- A *transitional compression facility* must provide the quantity of gas compressed by the facility during the gas day.
- Where no available data exists for a connection point during the submission period due to an operational issue then a NULL Actual Quantity with a flow direction of 'N/A' and Quality of 'NIL' should be submitted.
- Submitted connection points must be registered against the Facility Id during the connection point registration process.
- Submissions must only contain *BB pipelines*, *BB production*, *BB storage facilities* or *transitional compression facility* operated by the *BB reporting entity*.

## 4.3 Daily Storage

<b>Purpose</b>	Provide for each gas day, the actual quantity of natural gas held in each <i>BB storage facilities</i> at the end of gas day D-1.
<b>Submission cut-off time</b>	1:00 pm on gas day D.
<b>Rollover</b>	No Rollover.
<b>Required by</b>	<i>BB storage facilities</i> .
<b>Exemptions</b>	No exemptions are given for this submission.

### 4.3.1 Data elements

Data	Description	Mandatory
Facility Id	A unique AEMO defined Facility identifier.	Yes
Gas Date	Date of gas day. Any time component supplied will be ignored. The gas day is that applicable under the pipeline contract or market rules.	Yes
Actual Quantity	The actual quantity of gas held in a <i>BB storage facility</i> .	Yes

### 4.3.2 Requirements

- Actual Held Quantity must be submitted in TJs accurate to three decimal places.
- Submissions must only contain *BB storage facilities* operated by the *BB reporting entity*.

## 4.4 Connection Point Nameplate Rating

<b>Purpose</b>	Provide nameplate ratings: <ul style="list-style-type: none"> <li>• For each gate station connection point owned, controlled, or operated by the <i>BB pipeline</i> operator and connected to each of its <i>BB pipelines</i>.</li> <li>• For each gate station connection point connected to each of its pipelines which is not owned, controlled, or operated by the <i>BB pipeline</i> operator where the connection point nameplate rating has been provided to the <i>BB pipeline</i> operator by the facility who owns, controls, or operates the gate station.</li> <li>• For each connection point on a <i>BB pipeline</i> or a <i>transitional compression facility</i>.</li> </ul>
<b>Submission cut-off time</b>	31 March annually and whenever the standing capacity changes.
<b>Rollover</b>	No rollover.
<b>Required by</b>	<i>BB pipelines</i> .
<b>Exemptions</b>	No exemptions are given for this submission.

### 4.4.1 Data elements

Data	Description	Mandatory
Connection Point Id	A unique AEMO defined connection point identifier.	Yes
Capacity Quantity	Standing capacity quantity.	Yes
Effective Date	Gas day date that corresponding record takes effect. Any time component supplied will be ignored.	Yes
Description	Free text facility use is restricted to a description for reasons or comments directly related to the capacity quantity or the change in quantity provided in relation to a <i>BB facility</i> and the times, dates, or duration for which those quantities or changes in quantities are expected to apply.	No

#### 4.4.2 Requirements

- Capacity Quantity values must be submitted in TJs accurate to three decimal places.
- 
- Submitted connection points must be registered against the Facility Id during the connection point registration process.

### 4.5 Linepack Capacity Adequacy

<b>Purpose</b>	Provide on any gas day D, the <i>BB pipeline</i> and <i>transitional compression facility</i> operator's Linepack Capacity Adequacy (LCA) flag for gas days D to D+2.
<b>Submission cut-off time</b>	Whenever there is a change.
<b>Rollover</b>	Submitted values roll forward in the following manner: <ul style="list-style-type: none"> <li>• The last 3-day LCA Outlook provided for that <i>BB pipeline</i> or <i>transitional compression facility</i> is deemed to be unchanged.</li> <li>• The <i>LCA flag</i> for the subsequent gas day is deemed to be the same as the <i>LCA flag</i> for D+2.</li> </ul>
<b>Required by</b>	<i>BB pipelines</i> and <i>transitional compression facilities</i> .
<b>Exemptions</b>	No exemptions are given for this submission.
<b>Notes</b>	<ul style="list-style-type: none"> <li>• Submissions can contain values for gas days from D onwards.</li> <li>• Intra-day submissions for the current gas day (D) will be accepted up to the end of gas day.</li> <li>• AEMO always publishes the latest LCA submission.</li> </ul>

#### 4.5.1 Data elements

Data	Description	Mandatory
Facility Id	A unique AEMO defined Facility identifier.	Yes
Gas Date	Date of gas day. Any time component supplied will be ignored. The gas day is that applicable under the pipeline contract or market rules.	Yes
Flag	<i>LCA flag</i> for a <i>BB pipeline</i> or <i>transitional compression facility</i> categorised as red, amber, or green.	Yes
Description	Free text facility use is restricted to a description for reasons or comments directly related to the change in the <i>LCA flag</i> and the times, dates, or duration for which those changes are expected to apply.	Yes

### 4.6 Medium Term Capacity Outlook

#### 4.6.1 Transaction definition

<b>Purpose</b>	Provide details of any activity expected to affect the daily capacity of a <i>BB pipeline</i> , <i>BB production</i> , or <i>BB storage facility</i> in the next 12 months.
<b>Submission cut-off time</b>	Not applicable as this report is ad hoc.
<b>Rollover</b>	No rollover.
<b>Required by</b>	<i>BB pipelines</i> , <i>BB production</i> facilities, or <i>BB storage facilities</i> .
<b>Exemptions</b>	No exemptions are given for this submission.
<b>Notes</b>	<ul style="list-style-type: none"> <li>• Where a <i>BB reporting entity</i> submits a Facility Id with record blank values for the remaining fields, this clears previous Medium Term Capacity Outlook submissions where the From Gas Date is on or after the current gas day (D) for the BB facility.</li> <li>• AEMO always publishes the latest Medium Term Capacity Outlook submission. However, a timeline of historic submissions may be reportable</li> </ul>

#### 4.6.2 Data elements

Data	Description	Mandatory
Facility Id	A unique AEMO defined Facility identifier.	Yes
From Gas Date	Date of gas day. Any time component supplied is ignored. The gas day is applicable under the pipeline contract or market rules.	Conditional This field can be left blank if all other fields (excluding Facility Id) are also left blank. This clears all existing future dated Medium Term Capacity Outlook submissions.
To Gas Date	Date of gas day. Any time component supplied is ignored. The gas day is that applicable under the pipeline contract or market rules.	Conditional This field can be left blank if all other fields (excluding Facility Id) are also left blank. This clears all existing future dated Medium Term Capacity Outlook submissions.
Capacity Type	Capacity type can be either: <ul style="list-style-type: none"> <li>Storage: Holding capacity in storage, or</li> <li>MDQ: Daily maximum firm capacity (name plate) under the expected operating conditions adjusted for any facility that is 'mothballed', decommissioned or down-rated and / or cannot be recalled within 1 week, planned maintenance excepted. Reflects any long terms changes (greater than 12 months).</li> </ul>	Conditional This field can be left blank if all other fields (excluding Facility Id) are also left blank. This clears all existing future dated Medium Term Capacity Outlook submissions.
Outlook Quantity	Capacity Outlook quantity.	Conditional This field can be left blank if all other fields (excluding Facility Id) are also left blank. This clears all existing future dated Medium Term Capacity Outlook submissions.
Flow Direction	Indicates whether the capacity is for a <i>BB storage facility's</i> capacity for injecting into or withdrawing from a <i>BB pipeline</i> . Flow Direction can be: <ul style="list-style-type: none"> <li>Receipt: The flow of gas <u>into</u> the <i>BB storage facility</i>, or</li> <li>Delivery: The flow of gas <u>out</u> of the <i>BB storage facility</i>.</li> </ul>	Conditional This field is mandatory for <i>BB storage facilities</i> with a MDQ Capacity Type. Otherwise leave this blank.

Data	Description	Mandatory
Capacity Description	Free text to describe the meaning of the capacity number provided, including a description of material factors that impact the capacity number and any other relevant information.	Conditional This information is mandatory for <i>BB pipeline</i> submissions with a MDQ Capacity Type. Otherwise leave this blank.
Receipt Location	The Connection Point Id that best represents the receipt location. In conjunction with the Delivery location, this will indicate direction and location of the capacity.	Conditional This information is mandatory for <i>BB pipeline</i> submissions with a MDQ Capacity Type. Otherwise leave this blank.
Delivery Location	The Connection Point Id that best represents the delivery location. In conjunction with the receipt location, this will indicate direction and location of the capacity.	Conditional This information is mandatory for <i>BB pipelines</i> submissions with a MDQ Capacity Type. Otherwise leave this blank.
Description	Free text facility use is restricted to a description for reasons or comments directly related to the outlook quantity or the change in quantity provided in relation to a <i>BB facility</i> and the times, dates, or duration for which those quantities or changes in quantities are expected to apply.	Conditional This field can be left blank if all other fields (excluding Facility Id) are also left blank.

#### 4.6.3 Requirements

- Outlook Quantity values must be submitted in TJs accurate to three decimal places.
- *BB pipelines* are required to submit capacities for each direction in which natural gas can be transported on the pipeline. An Outlook Quantity must be submitted with a Capacity Description and the Delivery and Receipt Points. Note that for complex pipeline facilities that involve more than two directions of flow, more than two capacities may be required.
- *BB storage facilities* are required to report capacity for receipts into, and deliveries from, the *BB storage facility* as well as the quantity of natural gas that can be held in storage.
- Where a facility's capacity is reduced to zero, a zero value must be submitted.
- On submission of an Medium Term Capacity Outlook, all existing submissions for a facility, where the start date is on or after the current gas day, shall be deleted and replaced with the new submission. Active Medium Term Capacity Outlooks where the start date is before the current gas day and the end date is on or after the current gas day will be end dated to the current gas day-1.
- Participants shall have the ability to delete all existing Medium Term Capacity Outlook submissions for a facility by submitting a record with the Facility ID and blank values for the remaining fields. This will delete all Medium Term Capacity Outlook submissions for the specified facility where the start date is on or after the current gas day, and will also end date any active Medium Term Capacity Outlook submissions.

- Historical records where the Medium Term Capacity Outlook end date is before the current gas day cannot be modified or deleted. *Submissions* must only contain *BB pipelines*, *BB production facilities*, or *BB storage facilities* operated by the *BB reporting entity*.

## 4.7 Nameplate Rating

<b>Purpose</b>	Provide the nameplate rating of each <i>BB facility</i> annually or information about any planned permanent capacity reduction or expansion due to modification of the <i>BB facility</i> . With respect to production capacity, Standing Capacity should take long term field performance trends into account.
<b>Submission cut-off time</b>	31 March annually and whenever the standing capacity changes.
<b>Rollover</b>	No rollover.
<b>Required by</b>	<i>BB pipelines</i> , <i>BB production facilities</i> , <i>BB storage facilities</i> or <i>transitional compression facilities</i> .
<b>Exemptions</b>	No exemptions are given for this submission.

### 4.7.1 Data elements

<b>Data</b>	<b>Description</b>	<b>Mandatory</b>
Facility Id	A unique AEMO defined Facility identifier.	Yes
Capacity Type	<ul style="list-style-type: none"> <li>• Capacity type can be either:</li> <li>• Storage: Holding capacity in storage, or</li> <li>• MDQ: Daily maximum firm capacity (name plate) under the expected operating conditions adjusted for any facility that is 'mothballed', decommissioned or down-rated and / or cannot be recalled within 1 week, planned maintenance excepted. Reflects any long terms changes (greater than 12 months), or The maximum quantity of gas that can be compressed by the <i>transitional compression facility</i> on a given day, without breaching operational limits.</li> </ul>	Yes
Capacity Quantity	Standing capacity quantity.	Yes
Flow Direction	Indicates whether the capacity is for a <i>BB storage facility's</i> capacity for injecting into or withdrawing from a <i>BB pipeline</i> . Flow Direction can be: <ul style="list-style-type: none"> <li>• Receipt: The flow of gas <u>into</u> the <i>BB storage facility</i>, or</li> <li>• Delivery: The flow of gas <u>out</u> of the <i>BB storage facility</i>.</li> </ul>	Conditional This field is mandatory for BB storage facilities. Otherwise leave this blank.
Capacity Description	Free text to describe the meaning of the capacity number provided, including a description of material factors that impact the capacity number and any other relevant information.  If applicable, <i>transitional compression facilities</i> must also provide a Capacity Description of other maximum quantities under other standard operating conditions including a description of those conditions including expected inlet and outlet pressures.	Conditional This information is mandatory for BB pipelines and <i>transitional compression facilities</i> . Otherwise leave this blank.
Receipt Location	The Connection Point ID for the receipt location. In conjunction with the Delivery point, this will indicate direction and location of the capacity.	Conditional This information is mandatory for BB pipelines. Otherwise leave this blank.
Delivery Location	The Connection Point ID for the delivery location. In conjunction with the Receipt point, this will indicate direction and location of the capacity.	Conditional This information is mandatory for BB pipelines. Otherwise leave this blank.

Data	Description	Mandatory
Effective Date	Gas day date that corresponding record takes effect. Any time component supplied will be ignored.	Yes
Description	Free text facility use is restricted to a description for reasons or comments directly related to the quantity or the change in quantity provided in relation to a <i>BB facility</i> (such as daily production data, nameplate rating, <i>LCA flag</i> , etc.), and the times, dates, or duration for which those quantities or changes in quantities are expected to apply.	Yes

#### 4.7.2 Requirements

- Capacity Quantity must be submitted in TJs accurate to three decimal places.
- *BB pipelines* are required to submit capacities for each direction in which natural gas can be transported on the pipeline. A Capacity Quantity must be submitted with a Capacity Description and the Delivery and Receipt Points. Note that for complex pipeline facilities that involve more than two directions of flow, more than two capacities may be required.
- *Transitional compression facilities* must submit a Capacity Quantity with a Capacity Description for the facility.
- If applicable, *transitional compression facilities* must also provide a Capacity Description of other maximum quantities under other standard operating conditions including a description of those conditions.
- *BB storage facilities* are required to report capacity for receipts into, and deliveries from, the *BB storage facility* as well as the quantity of natural gas that can be held in storage.
- Submissions must only contain *BB pipelines*, *BB production facilities*, *BB storage facilities* or *transitional compression facility* operated by the *BB reporting entity*.

### 4.8 Nominations and Forecasts

<b>Purpose</b>	<ul style="list-style-type: none"> <li>• For <i>BB pipelines</i> forming part of a Declared Transmission System, provide on each gas day, the aggregated scheduled injections and aggregated scheduled withdrawals at each controllable system point for D to D+2.</li> <li>• For all other <i>BB facility</i> operators, provide on each gas day D the aggregated nominated and forecast injections and aggregated nominated and forecast withdrawals for D to D+6.</li> </ul>
<b>Submission cut-off time</b>	For storage facilities providing nominations, one hour after the start of gas day D. For storage facilities providing forecast information and for other facilities in all cases, 9:00pm on gas day D
<b>Rollover</b>	No rollover.
<b>Required by</b>	<i>BB pipelines</i> , <i>BB production facilities</i> , <i>BB storage facilities</i> and <i>transitional compression facilities</i> .
<b>Exemptions</b>	Two facilities connected to a single connection point may both be registered by AEMO. If one of these facilities is exempt from reporting flows for the connection point, submissions from that Facility ID are not mandatory.
<b>Notes</b>	<ul style="list-style-type: none"> <li>• Submissions may contain data for the current gas day, which are intra-day changes to nominations and forecasts. Intra-day submissions are accepted four hours after the close of gas day D until midday on the gas day after (D+1).</li> <li>• AEMO always publish the latest Delivery Nomination submission. However, a timeline of historic submissions may be reportable.</li> </ul>

#### 4.8.1 Data elements

Data	Description	Mandatory
Gas Date	Date of gas day. Any time component supplied will be ignored. The gas day is that applicable under the pipeline contract or market rules.	Yes

Data	Description	Mandatory
Facility ID	A unique AEMO defined Facility identifier.	Yes
Connection Point ID	A unique AEMO defined connection point identifier.	Conditional This information is mandatory for <i>BB pipelines</i> Otherwise leave this blank.
Flow Direction	Flow Direction can be: <ul style="list-style-type: none"> <li>Receipt: The flow of gas <u>into</u> the <i>BB facility</i>, or</li> <li>Delivery: The flow of gas <u>out</u> of the <i>BB facility</i>.</li> <li>Compressed: The action performed by the <i>transitional compression facility</i></li> </ul>	Yes
Nomination Quantity	Delivery Nomination quantity, or Gas compression Nomination quantity.	Yes

#### 4.8.2 Requirements

- Nomination Quantity values greater than zero must be submitted in TJs accurate to three decimal places.
- 
- A *BB pipeline* must provide Nomination Quantities for each connection point.
- Where a *BB storage* or *BB production* facility has flows in both directions, an aggregated Nomination Quantity and Flow Direction must be submitted for the facility.
- A *transitional compression facility* must provide Nomination Quantities of gas compressed by the facility
- Where there are zero receipts or zero deliveries at a connection point, a Nomination Quantity of zero must be submitted for the relevant direction.
- Where a connection point is unidirectional a Nomination Quantity for this direction, either as a receipt or delivery must be provided.
- Submitted connection points must be registered against the Facility ID during the connection point registration process.
- Submissions must only contain *BB pipelines*, *BB production facilities*, *BB storage facilities* or *transitional compression facilities* operated by the *BB reporting entity*.

#### 4.9 [Removed]

#### 4.10 [Removed]

#### 4.11 Uncontracted Capacity Outlook

<b>Purpose</b>	Provides information on: <ul style="list-style-type: none"> <li>• Uncontracted primary pipeline capacity on <i>BB pipelines</i> for the next 12 months. Note: This does not include <i>BB pipelines</i> in the Declared Transmission System.</li> <li>• Uncontracted storage capacity on <i>BB storage facilities</i> for the next 12 months.</li> <li>• Uncontracted primary compression capacity on <i>transitional compression facilities</i> for the next 12 months.</li> </ul>
<b>Submission cut-off time</b>	By 7:00 pm on the last gas day of each month.

<b>Rollover</b>	Submitted values roll forward in the following manner: <ul style="list-style-type: none"> <li>The Uncontracted Capacity Outlook data is deemed to be unchanged for each of the months specified in the most recent submission; and</li> <li>For subsequent months, the Uncontracted Capacity Outlook data is deemed to be the same as the data for the last month in the most recent Uncontracted Capacity Outlook submission.</li> </ul>
<b>Required by</b>	<i>BB pipelines, BB storage facilities and transitional compression facilities.</i>
<b>Exemptions</b>	No exemptions are given for this submission.

#### 4.11.1 Data elements

Data	Description	Mandatory
Facility Id	A unique AEMO defined Facility identifier.	Yes
Outlook Month	The outlook month.	Yes
Outlook Year	The outlook year.	Yes
Capacity Type	Capacity type can be either: <ul style="list-style-type: none"> <li>Storage: Holding capacity in storage, or</li> <li>MDQ: Daily maximum firm capacity (name plate) under the expected operating conditions adjusted for any Facility that is 'mothballed', decommissioned or down-rated and / or cannot be recalled within 1 week, planned maintenance excepted. Reflects any long terms changes (greater than 12 months), or</li> </ul> The maximum quantity of gas that can be compressed by the <i>transitional compression facility</i> on a given day, without breaching operational limits.	Yes
Outlook Quantity	Capacity Outlook quantity.	Yes
Flow Direction	Indicates whether the capacity is for a <i>BB storage facility's</i> capacity for injecting into or withdrawing from a <i>BB pipeline</i> . Flow Direction can be: <ul style="list-style-type: none"> <li>Receipt: The flow of gas <u>into</u> the <i>BB storage facility</i>, or</li> <li>Delivery: The flow of gas <u>out</u> of the <i>BB storage facility</i>.</li> </ul>	Conditional This field is mandatory for BB storage facilities. Otherwise leave this blank.
Capacity Description	Free text to describe the meaning of the capacity number provided, including a description of material factors that impact the capacity number and any other relevant information.	Conditional This information is mandatory for BB pipelines and <i>transitional compression facilities</i> . Otherwise leave this blank.
Receipt Location	The Connection Point Id for the receipt location. In conjunction with the Delivery point, this will indicate direction and location of the capacity.	Conditional This information is mandatory for BB pipelines. Otherwise leave this blank.
Delivery Location	The Connection Point Id for the delivery location. In conjunction with the Receipt point, this will indicate direction and location of the capacity.	Conditional This information is mandatory for BB pipelines. Otherwise leave this blank.
Description	Free text facility use is restricted to a description for reasons or comments directly related to the quantity or the change in quantity provided in relation to a <i>BB facility</i> (such as daily production data, nameplate rating, <i>LCA flag</i> , etc.), and the times, dates, or duration for which those quantities or changes in quantities are expected to apply.	No

#### 4.11.2 Requirements

- Outlook Quantity must be submitted in TJs accurate to three decimal places.
- *BB pipelines* are required to submit capacities for each direction in which natural gas can be transported on the pipeline. An Outlook Quantity must be submitted with a Capacity Description and the Delivery and Receipt Points. Note that for complex pipeline facilities that involve more than two directions of flow, more than two capacities may be required.
- *BB storage facilities* are required to report capacity for receipts into, and deliveries from, the *BB storage facility* as well as the quantity of natural gas that can be held in storage.
- *Transitional compression facilities* must submit an Outlook Quantity with a Capacity Description for the facility.
- Where a facility's capacity is reduced to zero, a zero value must be submitted.
- Submissions must only contain *BB pipelines*, *BB storage facilities* or *transitional compression facilities* operated by the *BB Reporting Entity*.

#### 4.12 BB Capacity Transaction

<b>Purpose</b>	Provides information on: <ul style="list-style-type: none"> <li>• <i>BB capacity transactions</i>, excluding those concluded through the <i>gas trading exchange</i>.</li> </ul>
<b>Submission cut-off time</b>	The earlier of: <ol style="list-style-type: none"> <li>1 business day after the <i>trade date</i> for the <i>BB capacity transaction</i>; and</li> <li>The day prior to the date on which the <i>service term</i> for the <i>BB capacity transaction</i> starts.</li> </ol> Or where the <i>service term</i> for a <i>BB capacity transaction</i> starts on the <i>trade date</i> for the transaction, as soon as reasonably practicable on the <i>trade date</i> .
<b>Rollover</b>	No Rollover
<b>Required by</b>	<i>BB transportation facility user</i> or <i>capacity transaction reporting agent</i>
<b>Exemptions</b>	No exemptions are given for this submission.

##### 4.12.1 Data elements

Data	Description	Mandatory
Trade Id	A unique AEMO defined trade identifier.	Conditional This field is mandatory when updating an existing trade.
Trade Date	Date the trade was made.	Yes
From Gas Date	Effective start date of the trade	Yes
To Gas Date	Effective end date of the trade	Yes
Buyers Name	The descriptive name of the buyer	Yes
Sellers Name	The descriptive name of the seller	Yes
Facility Id	The unique AEMO defined Part 24 Facility Identifier	Conditional This information is mandatory for Part 24 facilities. Otherwise leave this blank.

Data	Description	Mandatory
Facility Name	The descriptive name of the Facility that is not registered as a Part 24 Facility.	Conditional This information is mandatory for facilities that are NOT Part 24 facilities. Otherwise leave this blank.
Flow Direction	The directional of flow relative to the general direction of the facility that is not registered as a Part 24 facility. Valid values are: <ul style="list-style-type: none"> <li>NORTH</li> <li>NORTH_EAST</li> <li>NORTH_WEST</li> <li>EAST</li> <li>SOUTH</li> <li>SOUTH_EAST</li> <li>SOUTH_WEST</li> <li>WEST</li> </ul>	Conditional This information is mandatory for facilities that are NOT Part 24 facilities. Otherwise leave this blank.
Standard OTSA	Identify if a standard OTSA was used. Valid values: <ul style="list-style-type: none"> <li>YES</li> <li>NO</li> </ul>	Yes
BB Transportation Service Type	The transportation service type. Valid values: <ul style="list-style-type: none"> <li>FORWARD_HAUL</li> <li>BACKHAUL</li> <li>PARK</li> <li>LOAN</li> <li>COMPRESSION</li> </ul>	Yes
Priority	The priority of the traded capacity	Yes
Receipt Point Id	The unique AEMO defined Receipt Part 24 Service Point identifier. This is the point where gas is injected into the pipeline.	Conditional This information is mandatory for Part 24 facilities; and BB Transportation Service Type = FORWARD_HAUL, BACKHAUL or COMPRESSION.
Delivery Point Id	The unique AEMO defined Delivery Part 24 Service Point identifier. This is the point where gas is withdrawn from the pipeline.	Conditional This information is mandatory for Part 24 facilities; and BB Transportation Service Type = FORWARD_HAUL, BACKHAUL or COMPRESSION.
Park Loan Point Id	The unique AEMO defined Part 24 Service Point identifier.	Conditional This information is mandatory for Part 24 facilities; and BB Transportation Service Type = PARK or LOAN.
Quantity	The traded maximum daily quantity (MDQ) (GJ/day).	Yes

Data	Description	Mandatory
MHQ	The traded maximum hourly quantity (GJ/hour).	Yes
Price	The price of the capacity traded (\$/GJ/day).	Yes
Price structure	The price structure applied over the term of the trade.	No
Price escalation mechanism	The price escalation mechanism applied over the term of the trade.	No

#### 4.12.2 Requirements

- Delivery and Receipt Point Id's must be valid within the registered list of service points in the transportation service point register established under Part 24 where the Facility Id is populated.
- Park Loan Point Id's must be valid within the registered list of service points in the transportation service point register established under Part 24 where the Facility Id is populated.
- Facility Name and Flow Direction must be populated where the Facility is not registered under Part 24.
- Quantity and MHQ must be greater than 0
- Price must be equal to or greater than 0.

#### 4.13 Auction Curtailment Notice

<b>Purpose</b>	Provides a notice if an auction service is subject to curtailment in respect of a gas day.
<b>Submission cut-off time</b>	<ul style="list-style-type: none"> <li>• In accordance with Rule 190A(2), an auction curtailment notice must be provided to AEMO as soon as practicable after the BB reporting entity becomes aware of the circumstances giving rise to the curtailment.</li> <li>• In accordance with Rule 190A(3), a BB reporting entity must update the auction curtailment notice for its BB auction facility if the information provided in the auction curtailment notice is no longer accurate, including due to circumstances resulting in additional curtailment of the auction service for the gas day.</li> </ul>
<b>Rollover</b>	No Rollover
<b>Required by</b>	<i>BB reporting entity for a BB auction facility.</i>
<b>Exemptions</b>	No exemptions are given for this submission.

#### 4.13.1 Requirements

- The data elements and requirements for this submission are specified as per the Auction Service Curtailment Notice transaction in the Capacity Transfer and Auction Interface Protocol, provided for by the Capacity Transfer and Auction Procedures.
- The transaction has been specified such that the facility operator for a Part 24 facility will provide this information in accordance the Capacity Transfer and Auction Interface Protocol.

#### 4.14 Daily Auction Service Curtailment Information

<b>Purpose</b>	Provides information about the amount of curtailed quantity of an auction service for each BB Auction Facility.
<b>Submission cut-off time</b>	As specified in the Capacity Transfer and Auction Procedures
<b>Rollover</b>	No Rollover

<b>Required by</b>	<i>BB reporting entity for a BB auction facility.</i>
<b>Exemptions</b>	No exemptions are given for this submission.

#### 4.14.1 Requirements

- The data elements and requirements for this submission are specified as per the Auction Settlement Quantities transaction in the Capacity Transfer and Auction Interface Protocol, provided for by the Capacity Transfer and Auction Procedures.
- The report has been specified such that the facility operator for a Part 24 facility will provide this information in accordance with 21.2.1 of the Capacity Transfer and Auction Procedures.
- AEMO will aggregate RQs provided to AEMO in accordance with 21.2.1 of the Capacity Transfer and Auction Procedures for each BB auction facility for each gas day for publication on the BB as daily auction service curtailment information for each BB auction facility – this will be published as the ‘Revised Auction Quantities’ report.