GUIDE TO NATIONAL GAS BULLETIN BOARD REPORTS

OCTOBER 2015

Version: 02
Reference: PLAN-30-8399

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Prepared by

Corporate Services – Programme Management Office

Last update

Thursday, 15 October 2015 2:42 PM

Documents made obsolete

The release of this document changes only the version of Guide to National Gas Bulletin Board Reports.

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Abbreviations and Symbols

These abbreviations, symbols, and special terms assist the reader's understanding of the terms used in this document. For definitions of these terms, the reader should always refer to the applicable market Rules.

Abbreviation	Abbreviation explanation
AEMO	Australian Energy Market Operator
AEST	Australian Eastern Standard Time
BBO	The National Gas Bulletin Board Operator
CSV	Comma-Separated Values, a comma delimited text
N/A	Not Applicable
BB	Natural Gas Services Bulletin Board
TJ	1000 Giga Joules, 1012 Joules, Joule is a unit of energy

Special terms

Term	Definition
Default flow	The direction that gas normally flows through a pipeline (as per the Schedule of Default Pipeline Flow Direction, found in the references section). Those flows in the opposite direction, will be shown as either negative values or labelled as Reverse flows
Demand Zone	A region where the natural gas load is delivered by one or more BB pipelines
Gas Day	A period of 24 consecutive hours that commences in accordance with the respective agreements or rules that apply to the facilities and pipelines covered by the BB. The Gas Day Start Hour that applies to each facility or pipeline is published in the INT901 – Plant List report
Procedures	The Bulletin Board procedures made under Part 18 of the National Gas Rules
Production Zone	A region in which natural gas is produced from one or more facilities and is injected into one or more BB pipelines that transport the gas to other Production or Demand Zones
Rules	The National Gas Rules
TJ	1 Terrajoule, 1000 Gigajoules, 1000000 Joules, Joule is a unit of energy

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1 Introduction

1.1 Purpose

This guide details the specifications for the Natural Gas Services Bulletin Board (BB) CSV reports published by AEMO through the BB FTP File Share. For details of the reports published on the BB website refer to the “Guide to Gas Bulletin Board Website” listed in the References section

1.2 Audience

The primary audience for this document are business users and IT developers involved in the design and implementation of systems or processes to interface with the BB from Participant organisations and the Bulletin Board Operator.

1.3 How to use this guide

This guide is organised by report name and describes the specifications of each report. Use this guide to help you understand the reports and to develop automated tools for processing the report data.

Text in this format indicates a direct hyperlink with details of the resource listed in “References” section

1.4 What’s in this guide

- Chapter 2 “Overview” provides the general report format, file naming convention, and definitions.
- Chapter 3 “BB Report Overview” provides a summary of all BB reports.
- Chapter 4 “BB Report Details” details the specification of each report.
- Chapter 5 “References” is a list of related information and documents mentioned throughout this guide.

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2 Overview

2.1 Accessing BB reports

BB CSV reports are available to registered BB participants via the FTP File Share. Participants can directly access public reports from the public folder at **..\Default FTP Directory\Public**, and they can access their participant specific reports from their own private folder at **..\Default FTP Directory\<PARTICIPANTFOLDER>**.

BB CSV public reports are added to a zipped archive file at the end of each calendar month. Archived zip files are accessible from the following folder: **..\Default FTP Directory\Public\Archive\Zip**. The naming convention of the monthly zip files is AEMO_GASBB_YYYYMM.zip (for example AEMO_GASBB_201407.zip).

BB report data is also available via the AEMO Data Interchange. For further details on setting up and using Data Interchange please refer to the Data Interchange page on the AEMO website.

2.2 Identifiers (Id's)

Plant and Zone identifiers used within the Reports on the BB subscribe to the following format.

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	Unique identifying Number	1 to 9999 including leading zeros

For example, Id 520345 relates to an element (Plant or Zone) within NSW / ACT with a unique identifier of 0345 which is related to the gas industry.

2.3 Report file format

BB reports are in CSV file format.

2.4 Report file naming convention

The general format of the report filename is:

```
[INTERFACEID]_[INTERFACEVERSION]_[INTERFACENAME]_[REGIONSPECIFIER]~[DATE].csv
```

```
intAAA_v[n]_N_N_N{_r_[r]}~yyyymmddhhmmss.csv
```

For example:

```
int923_v1_forecast_pipeline_flow_r_1~20141110100651.csv
```

```
int911_v1_standing_1~20141109180530.csv
```

Table 1 below details the format of each component in the filename.

Table 1: report filename components

Name part	Description	Format
[INTERFACEID]	Unique report / interface identifier	intAAA
[INTERFACEVERSION]	A number representing the version of the report	v[n]
[INTERFACENAME]	Name of report. Words separated by underscores	N_N_N
[REGIONSPECIFIER]	A number representing the Region to which the interface data applies. If the interface is not Region specific, this component is omitted	r_[r]
[DATE]	Report generation date. Date specified in reverse format to aid chronologic sorting	yyyymmddhhmmss
csv	File extension	

2.5 Report definitions

Each report consists of the following sections:

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Report details

Purpose	Brief description of the report's purpose
Region specific	Specifies whether the report is specific to a region or not
Report period	The period of time the data covers
Trigger	Describes the trigger for the report. Generally the reports are triggered by time or a specific event
Update interval	Specifies how often the report gets updated
Access	Specifies whether a report is produced for public view or private view by participant only
Output filename	The file name of the published report

Report contents

Table Column Name	Explanation
Column Name	Name of the field displayed on the header row
Data Type	Actual data type of the source data. May be useful in designing data storage schema
Nullable	Describes whether the field is mandatory (No = mandatory), and (Yes = optional).
Format	Provides the format that the field data should follow if applicable
Description	Gives further explanation for the data element.

Sample file

This section provides an example of the CSV report that contains dummy data.

2.6 Data Dictionary

For the purpose of this document, the description of the data contained within the reports is as follows:

Field type	Value	Description
CapacityType	HCAP	Holding capacity in storage
	MDQ	Daily maximum firm capacity (name plate) under the expected operating conditions adjusted for any plant that is 'mothballed' , decommissioned or down-rated and/or cannot be recalled within 1 week, planned maintenance excepted
	RMDQ	Reverse direction daily maximum capacity (name plate) under normal operating conditions
	WMDQ	Withdrawal into UGS or liquefaction of LNG Daily maximum daily capacity (name plate) under normal operating conditions
DemandType	PSUMM	1 in 2 summer (November to March) peak day demand (by zone / jurisdiction)
	PWINT	1 in 2 winter (May to September) peak day demand (by zone / jurisdiction)
Flag	GREEN	Adequate linepack / pipeline capacity available to meet demand

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Field type	Value	Description
	AMBER	Voluntary / contractual load shedding or LNG scheduled at a rate >0 and <= 100tonnes/h
	RED	Load shedding required or LNG scheduled at a rate > 100 tonnes/h
NominationType	FIRMN	Firm nomination. Not used in Victoria
	FIRMR	Firm renomination, an update within the gas day. Not used in Victoria
	FCNOM	Forecast nomination for the (contracted) outlook period. Not used in Victoria
	D+0	Current gas day forecast. Victorian market only
	D+1	Day ahead forecast. Victorian market only
	D+2	2 day ahead forecast. Victorian market only
OutlookType	PRODC	Production capacity
	TRANC	Transmission capacity
	REVC	Reverse direction transmission capacity. Typically applies to interconnects or pipelines that do or are likely to experience net reverse flows
PlantType	PIPE	Pipeline - a pipeline that transports gas between demand and / or production zones
	PROD	Production facility – a facility at which natural or processable gas produced and / or processed for injection into BB pipelines (sales quality natural gas)
	STOR	Storage facility – a facility where gas is withdrawn from a pipeline, processed held in storage for subsequent processing and re-injection - includes LNG plant and underground gas storage (UGS)
Quality	OK	Data quality satisfactory
	OOR	Data Out of Range. System generated
	S1	Data substituted with previous day's values.
	S2	Data substituted with values from 2 days prior.
ZoneType	JURI	Jurisdiction – an area typically aligned to state or territory boundaries
	DZONE	A demand zone supplied by one or more pipelines. Those with two or more pipelines may be referred to as demand hubs
	PZONE	A production zone supplying one or more pipelines. Those supplying two or more pipelines may be referred to as production hubs

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3 BB Report Overview

Report Id	Report Name	Output File Name	Region Specific	Report Period	Trigger	Update Interval
INT901	BB Facilities List	int901_v[n]_bb_facility_1~yyyymmddhhmmss.csv	N	Current records	Daily at 17:00	Daily
INT902	Zones List	int902_v[n]_zone_1~yyyymmddhhmmss.csv	N	Current records	Daily at 17:00	Daily
INT911	Standing Capacities	int911_v[n]_standing_1~yyyymmddhhmmss.csv	N	Current and future records	File processed	N/A
INT912	Standing Peak Day Demand Forecasts	int912_v[n]_standing_peak_day_demand_1~yyyymmddhhmmss.csv	N	Current records	File processed	N/A
INT921	Linepack Capacity Adequacy	int921_v[n]_linepack_adequacy_r_[r]~yyyymmddhhmmss.csv	Y	D0, D+1 and D+2	Data change	Hourly
INT922	Capacity Outlook	int922_v[n]_capacity_outlook_r_[r]~yyyymmddhhmmss.csv	Y	D0, D+1, D+2,D+3, D+4,D+5, D+6	Data change	Hourly
INT923	Forecast Pipeline Flows	int923_v[n]_forecast_pipeline_flow_r_[r]~yyyymmddhhmmss.csv	Y	Outlook period	Data change	Hourly
INT924	Actual Flows 7 Day	int924_v[n]_actual_flow_7_day_r_[r]~yyyymmddhhmmss.csv	Y	Rolling 7 days	Time trigger every 4 hours starting 02:30	4 hours
INT925	Actual Flows Prev Month	int925_v[n]_actual_flow_prev_month_r_[r]~yyyymmddhhmmss.csv	Y	Previous month	Time trigger once a month, on the 7th day of the month at 17:00	Monthly
INT931	Registered BB Contacts	int931_v[n]_registered_bb_1~yyyymmddhhmmss.csv	N	Current records	Daily at 17:00	Daily
INT933	Registered BB Participants	int933_v[n]_registered_bb_1~yyyymmddhhmmss.csv	N	Current records	Daily at 17:00	Daily
INT944[1]	Transaction Log	int944_v[n]_transaction_log_r_[r]~yyyymmddhhmmss.csv	N	Current records	File processed	N/A

[1] Indicates access is limited to the individual registered participant user(s)

4 BB Report Details

4.1 INT901 – BB Facilities List

Report details

Purpose	This report displays the list of all plant (BB pipelines, BB production, and BB storage facilities) within the Bulletin Board system including plant that is the subject of an exemption declaration. This report also identifies the organisation (company) responsible for the operation of the respective plant.
Region specific	No
Report period	Current records
Trigger	Daily at 17.00
Update interval	Daily
Access	Public
Output filename	int901_v[n]_bb_facility_1~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantID	int	No	Refer to section 2.2 Identifiers (Id's)	Unique plant identifier
PlantName	varchar(40)	No		Name of the plant
PlantType	char(5)	No		Describes type of plant. Valid entries are: PIPE, PROD or STOR
Zone	varchar(40)	No		Name of the corresponding Zone
OperatorName	varchar(40)	No		Name of the organisation operating the plant
LowRange	int	No		Percentage value used for (low) validation of capacity outlook
HiRange	int	No		Percentage value used for (high) validation of capacity outlook
Exempt	char(1)	No		Specifies whether plant has been excluded for BB purposes. Valid entries are: Y or N
GasDayStartHour	int	No		Specifies the gas day start hour for this specific plant. Valid entries are 0 to 23.
ZoneId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique Zone identifier
OperatorId	int	No		Unique operator identifier

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Column Name	Data Type	Nullable	Format	Description
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantID,PlantName,PlantType,Zone,OperatorName,LowRange,HiRange,Exempt,GasDayStartHour
,ZoneId,OperatorId,LastUpdated,ReportDateTime
520075,Camden CSM,PROD ,Sydney (SYD),AGL Upstream Investments Pty
Limited,0,120,N,6,520008,91,23 Mar 2011 14:39:57,02 Oct 2014 14:17:21
520053,Moomba to Sydney Pipeline System,PIPE ,Sydney (SYD),APA
Group,15,120,N,6,520008,94,10 Jan 2014 15:06:43,02 Oct 2014 14:17:21
520047,Eastern Gas Pipeline,PIPE ,Sydney (SYD),Jemena Eastern Gas Pipeline (1) Pty
Ltd,20,120,N,6,520008,138,14 Aug 2009 11:56:45,02 Oct 2014 14:17:21
520053,Moomba to Sydney Pipeline System,PIPE ,Aust. Capital Territory (ACT),APA
Group,15,120,N,6,520009,94,10 Jan 2014 15:06:43,02 Oct 2014 14:17:21
```

4.2 INT902 – Zones List

Report details

Purpose	This report displays the list of all Production and Demand Zones within the Bulletin Board system.
Region specific	No
Report period	Current records
Trigger	Daily at 17.00
Update interval	Daily
Access	Public
Output filename	int902_v[n]_zone_1~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
ZoneId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique Zone identifier
ZoneName	varchar(40)	No		Name of the Zone
ZoneType	char(5)	No		Type of entry, valid entries are DZONE, PZONE, JURI
ZoneDescription	varchar(255)	No		Free text description of Zone, including boundaries and measurement basis
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified

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Column Name	Data Type	Nullable	Format	Description
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
ZoneId,ZoneName,ZoneType,ZoneDescription,LastUpdated,ReportDateTime
520008,Sydney (SYD),DZONE,Demand supplied through the MSP CG at Wilton and the EGP CG at Horsley Park CG  and EGP CG  at Wollongong CG.,26 Jul 2011 17:38:23,17 Oct 2012 10:29:56
520009,Aust. Capital Territory (ACT),DZONE,Demand supplied through either the EGP CG at Hoskinstown or the MSP-Canberra CG at Watson,26 Jul 2011 17:38:23,17 Oct 2012 10:29:56
520010,Moomba to Sydney Pipeline System (MSP),DZONE,Demand supplied through the MSP including its  laterals  through Wilton CG and Canberra CG (Watson) but excluding any export flows to Victoria via the  Interconnect.,26 Jul 2011 17:38:23,17 Oct 2012 10:29:56
520011,Eastern Gas Pipeline (EGP),DZONE,Demand supplied through the EGP including to the ACT and Sydney zones.,26 Jul 2011 17:38:23,17 Oct 2012 10:29:56
```

4.3 INT911 – Standing Capacities

Overview

This region specific report displays the standing nameplate capacity of all BB facilities (as defined in the INT901 report). Nameplate rating relates to the maximum daily quantities in TJ under normal operating conditions. Facility Operators must provide this ‘nameplate’ capacity information annually or when there is a material change to the capacity of the plant that is expected to remain in force for 12 months or longer (i.e. excludes short term maintenance). With respect to production capacity, Standing Capacity should take long term field performance trends into account.

Where multiple Capacity Types apply to individual plant (eg. bidirectional pipelines or interconnects will have a corresponding MDQ and RMDQ whereas storage facilities will have corresponding MDQ, HCAP and WMDQ), then all the relevant nameplate capacity details are required to be provided.

Report details

Purpose	This region specific report displays the standing nameplate capacity of all BB facilities (as defined in the INT901 report). Nameplate rating relates to maximum daily quantities in TJ under normal operating conditions.
Region specific	No
Report period	Current and future records
Trigger	On receipt and processing of new file
Update interval	N/A
Access	Public
Output filename	int911_v[n]_standing_1~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantName	varchar(40)	No		Name of plant
PlantType	char(5)	No		Describes the type of plant, which can be PIPE, PROD, STOR
CapacityType	char(5)	No		The type of the standing capacity being detailed, which can be: HCAP, MDQ, RMDQ, WMDQ
CapacityQuantity	decimal(18,1)	No		Standing capacity quantity for the selected plant type and capacity type
Units	char(5)	No		Unit of measurement. Only TJ is used
EffectiveDate	varchar(40)	No		Date capacity comes into effect
Comments	varchar(255)	Yes		Free text description of record
PlantId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique identifier for the plant
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantName,PlantType,CapacityType,CapacityQuantity,Units,EffectiveDate,Comments,PlantId,Last Updated,ReportDateTime
LNG Storage Dandenong,STOR,HCAP,659,TJ,01 Jul 2009,,530038,30 Jun 2009 14:10:01,10 Nov 2014 18:05:32
LNG Storage Dandenong,STOR,MDQ,158,TJ,01 Jul 2009,,530038,30 Jun 2009 14:10:01,10 Nov 2014 18:05:32
LNG Storage Dandenong,STOR,WMDQ ,2.8,TJ   ,01 Jul 2009,,530038,30 Jun 2009 14:10:01,10 Nov 2014 18:05:32
Dawson Valley,PROD,MDQ,16,TJ,03 Jul 2009,MDQ,540064,03 Jul 2009 15:35:01,10 Nov 2014 18:05:32
```

4.4 INT912 – Standing Peak Day Demand Forecasts

Overview

The report includes a 1 in 2 Peak Summer day and/or Winter day demand forecast (or peak day forecasts other than 1in2 as defined. For the purpose of this report, the summer period is considered to be from November to March (inclusive) and the winter period is considered to be from May to September (inclusive).

The BBO provides the standing demand data (i.e. peak day demand forecasts by zone) but may consult other BB Participants in this process.

Report details

Purpose	This report displays the peak day demand forecasts for each of the demand Zones. The 1 in 2 peak gas day value or peak demand as otherwise specified is shown for each demand Zone and Jurisdiction for both summer and winter.
Region specific	No
Report period	Current records
Trigger	On receipt and processing of new file
Update interval	N/A
Access	Public
Output filename	int912_v[n]_standing_peak_day_demand_1~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
ZoneName	varchar(40)	No		Name of the Zone
DemandType	char(5)	No		The type of forecast demand being detailed. Valid entries are PSUMM or PWINT
DemandQuantity	decimal(18,1)	No		Demand quantity of Zone
Units	char(5)	No		Unit of measurement. Only TJ is used
ZoneId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique identifier of zone
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
ZoneName,DemandType,DemandQuantity,Units,ZoneId,LastUpdated,ReportDateTime
Sydney (SYD),PSUMM,249,TJ,520008,01 Sep 2014 16:15:18,01 Sep 2014 16:15:23
Sydney (SYD),PWINT,314.4,TJ,520008,04 Mar 2014 16:35:05,01 Sep 2014 16:15:23
Aust. Capital Territory (ACT),PSUMM,20,TJ,520009,01 Sep 2014 16:15:18,01 Sep 2014 16:15:23
Aust. Capital Territory (ACT),PWINT,59,TJ,520009,04 Mar 2014 16:35:05,01 Sep 2014 16:15:23
```

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4.5 INT921 – Linepack Capacity Adequacy

Report details

Purpose	This report displays the linepack adequacy (flag) for each of the (non-exempt) BB pipelines for the next 3 gas days.
Region specific	Yes
Report period	Current gas day and next 2 gas days (eg. gas day, day+1 and day+2)
Trigger	Hourly, when changes detected
Update interval	Hourly
Access	Public
Output filename	int921_v[n]_linepack_adequacy_r_[r]~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantName	varchar(40)	No		Name of the plant
GasDate	varchar(20)	No	dd MMM yyyy	Date of gas day applicable under either the pipeline contract or market rules
Flag	char(5)	No		Expected adequacy for the gas day. Valid entries are GREEN, AMBER or RED
Description	varchar(255)	Yes		Free text description of record
PlantId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique plant identifier
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantName,GasDate,Flag,Description,PlantId,LastUpdated,ReportDateTime
Carpentaria Pipeline,11 Nov 2014,GREEN,,540059,10 Jul 2014 12:00:07,11 Nov 2014 08:06:52
Eastern Gas Pipeline,11 Nov 2014,GREEN,,520047,10 Nov 2014 17:05:24,11 Nov 2014 08:06:52
Longford to Melbourne,11 Nov 2014,GREEN, ,530048,24 Jun 2013 23:00:02,11 Nov 2014
08:06:52
Moomba to Adelaide Pipeline System,11 Nov 2014,GREEN,,550054,25 May 2013 02:50:03,11
Nov 2014 08:06:52
```

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4.6 INT922 – Capacity Outlook

Report details

Purpose	This report displays the capacity outlook for each of BB pipeline and each BB facility for the next 7 days. The outlook capacity type will be dependant upon the type of plant eg. production and storage facilities will report production capacity, pipelines will report transmission capacity whilst interconnects and bi-directional pipelines will report transmission capacity and reverse direction transmission capacity.
Region specific	Yes
Report period	Current gas day and next 6 gas days (eg. D0, D+1, D+2, D+3, D+4, D+5, D+6)
Trigger	Hourly, when changes detected
Update interval	Hourly
Access	Public
Output filename	int922_v[n]_capacity_outlook_r_[r]~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantName	varchar(40)	No		Name of the plant
GasDate	varchar(20)	No	dd MMM yyyy	Date of gas day applicable under either the pipeline contract or market rules
OutlookType	char(5)	No		Type of capacity being reported. Valid entries are PRODC, TRANC or REVC
OutlookQuantity	decimal(18,1)	No		Outlook capacity quantity expressed in TJ's
Units	char(5)	No		Unit of measurement. Only TJ is used
Description	varchar(255)	Yes		Free text description of record
Quality	char(5)	No		Expression of data quality. Valid entries are OK, OOR, S1 or S2
PlantId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique plant identifier
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantName,GasDate,OutlookType,OutlookQuantity,Units,Description,Quality,PlantId,LastUpdated,
ReportDateTime
Ballera Gas Plant,11 Nov 2014,PRODC,30,TJ    ,0,"OK",540079,10 Nov 2014 15:30:08,11 Nov
2014 10:06:49
```

```
Bellevue,11 Nov 2014,PRODC,50,TJ   ,,"S1",540083,17 Oct 2014 16:35:04,11 Nov 2014 10:06:49
Berwyndale South,11 Nov 2014,PRODC,120,TJ,,"S1",540069,10 Nov 2014 10:10:09,11 Nov 2014 10:06:49
Camden CSM,11 Nov 2014,PRODC,12.1,TJ,capacity,"OK",520075,10 Nov 2014 07:40:18,11 Nov 2014 10:06:49
Carpentaria Pipeline,11 Nov 2014,TRANC,119,TJ,,"OK",540059,11 Nov 2014 10:05:09,11 Nov 2014 10:06:49
Condabri Central,11 Nov 2014,PRODC,55.6,TJ,,"OK",540080,10 Nov 2014 14:40:12,11 Nov 2014 10:06:49
```

4.7 INT923 – Forecast Pipeline Flows

Overview

This report displays the forecast pipeline flows for each of the BB pipelines for the outlook period. Provision is made to report an outlook period of up to 7 days(though more data can be stored in the BB system and used as required). The Victorian market will use scheduled injections for each BB pipeline (LMP, SWP) and the LNG facility as well as the scheduled Interconnect flow. The outlook period for the Victorian market is 3 days, being the current and next 2 gas days.

Typically, NominationQuantity values are associated with a Demand Zone, however in some cases, such quantities can relate to deliveries into Production Zones. Where the forecast applies to a bidirectional pipeline or interconnect, the NominationQuantity reported would be positive for flow in the default direction and negative by exception. Default flow is defined as per the Schedule of Default Pipeline Flow Direction (see References).

The following example illustrates a scenario where multiple Production Zones deliver gas to a common Demand Zone or hub. Using the conventions established in this example, it should be possible to interpret the data for any BB scenario.

The region serviced by the MAP pipeline and its laterals is shown as Nom. 200 and is inclusive of the corresponding Adelaide hub value shown as Nom. 140. Similarly, the region serviced by the SEAGas pipeline and its laterals is shown as Nom. 210 and is inclusive of the corresponding Adelaide hub value shown as Nom. 180. The total forecast for the Adelaide hub is the aggregation of the 140 and 180 nominations. An associated PlantId is reported with each of these records so that it is possible to determine the orientation / association of each of the forecasts (eg. so it is possible to differentiate between the 2 Adelaide forecasts, and associate the 140 forecast with Moomba and the 180 forecast with Port Campbell respectively).

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Report details

Purpose	This region specific report displays the forecast pipeline flows outlook for each of the BB pipelines.
Region specific	Yes
Report period	Outlook period as defined under either the pipeline contract or market rules
Trigger	Hourly, when changes detected
Update interval	Hourly
Access	Public
Output filename	int923_v[n]_ forecast_pipeline_flow_r_[r]~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantName	varchar(40)	No		Name of the Plant
ZoneName	varchar(40)	No		Name of the Zone
GasDate	varchar(20)		dd MMM yyyy	Date of gas day applicable under either the pipeline contract or market rules
NominationType	char(5)	No		Type of forecast. Valid entries are FIRMN, FIRMR, FCNOM, D+0, D+1 or D+2
NominationQuantity	decimal(18,1)	No		Nominatiion quantity expressed in TJ's
Units	char(5)	No		Unit of measurement. Only TJ is used
Description	varchar(255)	Yes		Free text description of record
Quality	char(5)	No		Expression of data quality. Valid entries are OK, OOR, S1, S2
PlantId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique plant identifier
ZoneId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique Zone identifier
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified

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Column Name	Data Type	Nullable	Format	Description
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantName,ZoneName,GasDate,NominationType,NominationQuantity,Units,Description,Quality,Pl
antId,ZoneId,LastUpdated,ReportDateTime
Eastern Gas Pipeline,Aust. Capital Territory (ACT),12 Nov 2014,FCNOM,1.5,TJ
,,"OK",520047,520009,11 Nov 2014 09:05:08,11 Nov 2014 11:06:56
Eastern Gas Pipeline,Sydney (SYD),12 Nov 2014,FCNOM,75.7,TJ,,"OK",520047,520008,11 Nov
2014 09:05:08,11 Nov 2014 11:06:56
Eastern Gas Pipeline,Aust. Capital Territory (ACT),13 Nov 2014,FCNOM,1.5,TJ
,,"OK",520047,520009,11 Nov 2014 09:05:08,11 Nov 2014 11:06:56
Eastern Gas Pipeline,Sydney (SYD),14 Nov 2014,FCNOM,41.5,TJ,,"OK",520047,520008,11 Nov
2014 09:05:08,11 Nov 2014 11:06:56
```

4.8 INT924 - Actual Flows 7 Day

Overview

Where the flow applies to a bidirectional pipeline or interconnect, the ActualQuantity provided should be positive for flow in the default direction and negative by exception. Default flow is defined as per the Schedule of Default Pipeline Flow Direction (see References).

Report details

Purpose	This report displays the actual / historical production and pipeline delivery (Victorian PTS injections) data for all of the BB facilities for a rolling 7 days.
Region specific	Yes
Report period	Rolling 7 days
Trigger	Time trigger every 4 hours starting at 02:30
Update interval	4 hours
Access	Public
Output filename	int924_v[n]_actual_flow_7_day_r_[r]~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantName	varchar(40)	No		Name of the plant
ZoneName	varchar(40)	No		Name of the Zone
GasDate	varchar(20)	No	dd MMM yyyy	Date of gas day applicable under either the pipeline contract or market rules

Column Name	Data Type	Nullable	Format	Description
FlowType	char(5)	No		Type of flow. Currently, the only valid entry is OPFLW
ActualQuantity	decimal(18,1)	No		Actual quantity flowed expressed in TJ's
Units	char(5)	No		Unit of measurement. Only TJ is used
Quality	char(5)	No		Expression of data quality. Valid entries are OK, OOR
PlantId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique plant identifier
ZoneId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique Zone identifier
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantName,ZoneName,GasDate,FlowType,ActualQuantity,Units,Quality,PlantId,ZoneId,LastUpdat
ed,ReportDateTime
Eastern Gas Pipeline,Aust. Capital Territory (ACT),04 Nov 2014,OPFLW,0.4,TJ
,"OK",520047,520009,05 Nov 2014 11:05:15,11 Nov 2014 10:30:06
Eastern Gas Pipeline,Sydney (SYD),04 Nov 2014,OPFLW,78.9,TJ   ,"OK",520047,520008,05 Nov
2014 11:05:15,11 Nov 2014 10:30:06
Eastern Gas Pipeline,Eastern Gas Pipeline (EGP),04 Nov 2014,OPFLW,111.8,TJ
,"OK",520047,520011,05 Nov 2014 11:05:15,11 Nov 2014 10:30:06
Moomba to Sydney Pipeline System,Aust. Capital Territory (ACT),04 Nov 2014,OPFLW,9.7,TJ
,"OK",520053,520009,06 Nov 2014 00:00:05,11 Nov 2014 10:30:06
```

4.9 INT925 - Actual Flows Prev Month

Report details

Purpose	This report displays the actual / historical production and pipeline delivery (Victorian PTS injections) data for all of the non-exempt plant. This report is generated 7 days after the completion of each month covering the previously completed month.
Region specific	Yes
Report period	Previous completed month
Trigger	Time trigger once a month, on the 7th day of the month at 17:00
Update interval	Monthly
Access	Public

Output filename	int925_v[n]_actual_flow_prev_month_r_[r]~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PlantName	varchar(40)	No		Name of the plant
ZoneName	varchar(40)	No		Name of the Zone
GasDate	varchar(20)	No	dd MMM yyyy	Date of gas day applicable under either the pipeline contract or market rules
FlowType	char(5)	No		Type of flow. Currently, the only valid entry is OPFLW
ActualQuantity	decimal(18,1)	No		Actual quantity flowed expressed in TJ's
Units	char(5)	No		Unit of measurement. Only TJ is used
Quality	char(5)	No		Expression of data quality. Valid entries are OK, OOR
PlantId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique plant identifier
ZoneId	int	No	Refer to section 2.2 Identifiers (Id's)	Unique Zone identifier
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PlantName,ZoneName,GasDate,FlowType,ActualQuantity,Units,Quality,PlantId,ZoneId,LastUpdat
ed,ReportDateTime
Eastern Gas Pipeline,Aust. Capital Territory (ACT),01 Oct 2014,OPFLW,5.8,TJ
,"OK",520047,520009,02 Oct 2014 12:10:18,07 Nov 2014 17:06:39
Eastern Gas Pipeline,Sydney (SYD),01 Oct 2014,OPFLW,89.5,TJ    ,"OK",520047,520008,02 Oct
2014 12:10:18,07 Nov 2014 17:06:39
Eastern Gas Pipeline,Eastern Gas Pipeline (EGP),01 Oct 2014,OPFLW,136.1,TJ
,"OK",520047,520011,02 Oct 2014 12:10:18,07 Nov 2014 17:06:39
Moomba to Sydney Pipeline System,Aust. Capital Territory (ACT),01 Oct 2014,OPFLW,13.9,TJ
,"OK",520053,520009,02 Oct 2014 23:55:05,07 Nov 2014 17:06:39
```

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4.10 INT931 – Registered BB Contacts

Report details

Purpose	This report displays the registered user list of responsible contact persons for each BB Participant organisation as identified at registration or otherwise.
Region specific	No
Report period	Current records
Trigger	Daily at 17.00
Update interval	Daily
Access	Public
Output filename	int931_v[n]_registered_bb_1~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
PersonId	int	No		Unique person identifier
PersonName	varchar(40)	No		Name of person
CompanyName	varchar(40)	No		Name of company the person is associated with
Title	varchar(40)	No		Job title of person
Phone	varchar(20)	Yes		Landline phone of person
Fax	varchar(20)	Yes		Facsimile of person
Mobile	varchar(20)	Yes		Mobile phone of person
Email	varchar(255)	Yes		Email address of person
CompanyId	int	No		Unique identifier for the company that the person is associated with
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
PersonId,PersonName,CompanyName,Title,Phone,Fax,Mobile,Email,CompanyId,LastUpdate,Rep
ortDatetime
1201,Peter Perfect,GasCo,Manager Mkt
Ops,61396646610,61396646512,0408589856,peter.perfect@gasco.com.au,30,14 Aug
2007 07:30:00,15 Aug 2007 07:30:00
```

4.11 INT933 – Registered BB Participants

Report details

Purpose	This report displays details of all registered organisations i.e the BB Participants of the Bulletin Board.
Region specific	No
Report period	Current records
Trigger	Daily at 17:00
Update interval	Daily
Access	Public
Output filename	int933_v[n]_registered_bb_1~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
CompanyId	int	No		Unique identifier for the company
CompanyName	varchar(40)	No		Name of Company
ABN	varchar(40)	No		Australian Business Number of company
AddressType	varchar(40)	No		The type of the address eg. Head Office, Postal Address, etc.
Address	varchar(250)	No		Address of company based on AddressType
Locale	varchar(40)	No		City location of the company
Jurisdiction	char(5)	No		State location of the company
Postcode	char(10)	No		Post code of the company
CompanyPhone	varchar(20)	Yes		Main (reception) phone of company
CompanyFax	varchar(20)	Yes		Main (reception) facsimile of company
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
CompanyId,CompanyName,ABN,AddressType,Address,Locale,Jurisdiction,Postcode,CompanyPh
one,CompanyFax,LastUpdate,ReportDatetime
13,Australian Energy Market Operator,.,Head Office,GPO Box 2008,Melbourne,VI,3001,03 9609
8000,03 9609 8080,20 Dec 2011 07:08:13,10 Nov 2014 17:06:37
```

4.12 INT944 – Transaction Log

Report details

Purpose	This report documents transaction details of each file submitted by Participant which have been processed by the Gas Bulletin Board. A separate transaction log report is generated for each uploaded transaction file whether the file has passed of failed validations. Participants will only be able to access transaction log reports pertaining to their own transactions which are uploaded to their own BB folder
Region specific	No
Report period	Records for the last submitted transaction file (a separate report per each uploaded transaction file)
Trigger	Upon receipt and processing of a new file
Update interval	N/A
Access	Participant (as dictated by the [r] value in the filename)
Output filename	int944_v[n]_transaction_log_r_[r]~yyyymmddhhmmss.csv

Report contents

Column Name	Data Type	Nullable	Format	Description
AlarmNo	int	No		Unique alarm identifier
ErrorCode	int	No		Error code as defined in Participant Build Pack
ErrorDescription	varchar(255)	No		Details of error
CompanyName	varchar(40)	No		Company name of file provider
FileName	varchar(255)	No		Name of file that errored
ErrorRow	varchar(255)	No		Content of the csv row that failed (only provided where the error description is not enough to identify the row)
LastUpdated	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time record was last modified
ReportDateTime	varchar(20)	No	dd MMM yyyy hh:mm:ss	Date and time report was produced

Sample file

```
AlarmNo,ErrorCode,ErrorDescription,CompanyName,FileName,ErrorRow,LastUpdated,ReportDateTime
12345,40,The PlantId provided does not exist on the database,Love Gas,123_LinepackAdequacy_20070503131500.CSV,3,01 Feb 2003 04:05:06,02 Feb 2003 04:05:06
```

4.13 Capacity Listing Page

The Capacity Listing Page is not available through the BB FTP server, however it is accessible via the BB website. It displays the capacity listing data from the Gas Supply Hub market which details the spare capacity that the Market Participants have available to trade. The capacity listing data will be presented in grid format.

For more details refer to the Guide to Gas Bulletin Board Website listed in the References section.

5 References

The resources listed in this section contain additional related information that may assist you.

- AEMO Information and Support Hub: phone: 1300 AEMO 00 (1300 236 600), and follow the prompts; email: supporthub@aemo.com.au.
- National Gas Rules (NGR) and National Electricity Rules (NER): see the Australian Energy Market Commission (AEMC) website http://www.aemc.gov.au.

It is important to ensure that you are reading the current version of any document.

5.1 National Gas Bulletin Board website

User guides for the Gas Bulletin Board can be found within the Bulletin Board Information Tab on the GBB website, (here: https://gbb.aemo.com.au/Bulletin%20Board%20Information/Documents.aspx).

This includes:

- Guide to GBB CSV File Transactions – detailed explanation for uploading CSV Files to provide data to AEMO for the GBB website
- Guide to GBB Reports (this document) – detailed explanation for accessing, viewing, and saving data reports available on the GBB website
- GBB Participation Registration Kit – information for prospective participants in the GBB and National gas systems
- GBB Procedures – the procedures that regulate the operation of the GBB website
- Guide to GBB Website– guide to using the GBB website
- Guide to Using the Self Service Password Management Facility – guide for how to use the self-service password management facilty, once registered, for those with secure access only
- Guide to Register to use the Self Service Password Management Facility – guide for how to register to use the self service password management facility, for those with secure access only
- Schedule of Default Pipeline Flow Direction – schedule that defines the default direction for all BB Pipelines.

It is important to ensure that you are reading the current version of any document.