



Declared Wholesale Gas Market: Settlement Reconciliation Mapping

September 2020

A guide for participants to help reconcile provisional market and settlement data for the
Declared Wholesale Gas Market

Important notice

PURPOSE

Australian Energy Market Operator (AEMO) has prepared this document to provide information about the Declared Wholesale Gas Market (DWGM) for natural gas as at the date of publication.

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VERSION CONTROL

Version	Release date	Changes
1	1/09/2020	Initial Publication

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1. Introduction

AEMO provides this guidance to participants to help them reconcile provisional market data and settlement data provided.

The following pages illustrate the use of Market Information Bulletin Board (MIBB) reports for the reconciliation of both provisional and settlement data. It provides information for participants about where the AEMO's MIBB reports originate and helps them in understanding the relationships between the settlement calculations and the MIBB reports.

For a full understanding of the settlement processes, it is recommended that readers refer to the [DWGM Procedures](#) documents relevant to settlement.

For details of all the MIBB reports, it is recommended that readers refer to the [User Guide to MIBB Reports](#).

1.1 Abbreviations

Table 1 Abbreviations

	Expanded Name
AEMO	Australian Energy Market Operator
AGINO	Actual Gas Injection Negative Offset
AGWNO	Actual Gas Withdrawal Negative Offset
AMDQ	Authorised Maximum Daily Quantity
DWGM	Declared Wholesale Gas Market
MIBB	Market Information Bulletin Board
MSIQ	Minimum Scheduled Injection Quantity
MSWQ	Minimum Scheduled Withdrawal Quantity
UAFG	Unaccounted for gas

1.2 Market Information Bulletin Board (MIBB) reports

Below is a list of the MIBB reports that may be used by participants to assist in reconciling provisional data and settlement data.

Market data is divided into two groups:

- Provisional data, which may be revised prior to billing period settlement; and
- Settlement data, upon which billing period settlement is calculated.

As data may be updated prior to settlement, it is important that participants do not use provisional data for reconciling settlement statements.

Only use settlement MIBB reports for the purpose of reconciling settlement data. All MIBB reports for settlement have a settlement version ID and are linked to data for that settlement run. Reports of provisional settlement calculations that are not settlement reports only reflect provisional data current when at the time report was generated and should not be used to reconcile settlement statements.

1.2.1 Final data reports

The following reports are all finalised before any settlement calculations are performed and are applicable to reconciling both provisional and settlement calculations.

- INT041 Market and Reference Prices
- INT135 Uplift Cap
- INT151 Operational and Market Schedules
- INT153 Demand Forecast
- INT281 Tariff V AMDQ Allocation
- INT282 Imbalance Allocation
- INT290 Uplift Breakdown
- INT346 AMDQ Portfolio

1.2.2 Provisional data reports

Reports that are only relevant to **provisional** calculations:

- INT055 Metering Registration Data
- INT088 Adjusted Metering Data by Distributor by Market Participant
- INT089 AEMO Linepack Account Balance
- INT116 Participant Specific Ancillary Payments Reports Day + 3
- INT137 Participant Specific Uplift Payments
- INT149 Metering Data Daily
- INT312 Settlement Activity

1.2.3 Settlement data reports

Reports that are only relevant to **settlement** calculations:

- INT055a Metering Registration Data for 1 Month
- INT116b Participant Specific Ancillary Payments
- INT127 Settlement Linepack
- INT137a Settlement Uplift Payments
- INT138 Settlement Version
- INT146 AMDQ Credits
- INT254 Publish Metering Data Monthly
- Settlement statement

2. Settlement Reconciliation Mapping

The table on the following pages summarises the sources of various market data, provisional data and settlement data, which participants will need for reconciling settlements.

2.1 Reconciliation Mapping

The table on the following pages lists the MIBB data sources organised under column headings:

- “Time period”: the data relates to a day or a billing period; or whether it is a standing market parameter.
- “Provisional data”: whether the provisional data is available to participants and, if so, where it can be found.
- “Settlement data”: whether the settlement data is available to participants and, if so, where it can be found.

For key calculations, a reference is provided to relevant sections in the DWGM Rules (R) or the DWGM Procedures (P) as well as the input data to the settlement calculations

Table 2 Reconciliation Mapping

Data Type	Time Period	Provisional Data	Settlement Data	Reference (R=DWGM Rule) (P=DWGM Procedure)	Settlement calculation and input data
Metering registration data	Daily	INT055	INT055a		Meters need to be 'billing' status to be included in settlements. Input to determining AMIQ for each scheduling interval: <ul style="list-style-type: none"> • AMDQ Credits nominated to tariff D sites • Undiversified authorised MDQ allocated to tariff D sites
Metering data	Daily	INT149	INT254		Identify grouping characteristics from metering Registration Report. Use uafg_adj_gj Note - INT149 requires withdrawal meters to have a contestability date set before they are visible. The report also shows injection meters and logical meters that aggregate profiles basic meters by distributor and withdrawal zone. INT254 shows all meters for which the market participant is FRO
Market price	Daily		INT041		
Operating schedule	Daily		INT151		OS
Pricing schedule	Daily		INT151		MS
Demand forecast	Daily		INT153		
AMDQ credits data	Billing Period		INT146		Input to determining AMIQ for each scheduling interval: <ul style="list-style-type: none"> • AMDQ Credits at hub
Tariff V AMDQ allocation	Daily		INT281		Input to determining AMIQ for each scheduling interval: <ul style="list-style-type: none"> • Block V authorised MDQ
AMDQ Portfolio	Daily		INT346		Input to determining AMIQ for each scheduling interval: <ul style="list-style-type: none"> • Diversified Tariff D authorised MDQ
Imbalance injection quantity	Daily		INT282		<ul style="list-style-type: none"> • Actual injection quantity Note – this does not change once published

Data Type	Time Period	Provisional Data	Settlement Data	Reference (R=DWGM Rule) (P=DWGM Procedure)	Settlement calculation and input data
Imbalance withdrawal quantity	Daily	INT282			<ul style="list-style-type: none"> Operating schedule adjusted withdrawal quantity Note – this does not change once published
Imbalance injection amount	Daily	INT282		R235	<ul style="list-style-type: none"> Imbalance injection quantity Market price Note – this does not change once published
Imbalance amount - injection	Billing Period		INT094 Settlement Statement	R235	IMB_I
Imbalance withdrawal amount	Daily	INT282		R235	<ul style="list-style-type: none"> Imbalance withdrawal quantity Market price Note – this does not change once published
Imbalance amount - withdrawal	Billing Period		INT094 Settlement Statement		IMB_W
Total imbalance payments	Daily	INT089	INT127		
Total deviation payments	Daily	INT089	INT127		
Participant total withdrawal quantity	Daily	INT088	INT127		<ul style="list-style-type: none"> Participant adjusted withdrawal quantity
System total withdrawal quantity	Daily	INT312	INT127		<ul style="list-style-type: none"> System total adjusted withdrawal quantity
Linepack account payment	Daily	INT089	INT127	R242	<ul style="list-style-type: none"> Total imbalance payments Total deviation payments Participant total withdrawal quantity System total withdrawal quantity
Linepack account clearance	Billing Period	INT089 INT150 INT149 INT55	INT094 Settlement Statement		

Data Type	Time Period	Provisional Data	Settlement Data	Reference (R=DWGM Rule) (P=DWGM Procedure)	Settlement calculation and input data
Deviation injection quantity	Daily	INT283	INT283a		<ul style="list-style-type: none"> Operating schedule injection quantity Actual injection quantity
Deviation withdrawal quantity	Daily	INT283	INT283a		<ul style="list-style-type: none"> Operating schedule withdrawal quantity Actual adjusted withdrawal quantity
Deviation price (Market price of the next scheduling interval)	Daily	INT283	INT283a		
Deviation injection amount	Daily	INT283	INT283a	R235	<ul style="list-style-type: none"> Deviation injection quantity Deviation price
Deviation amount - injection	Billing period		INT094 Settlement Statement		DEV_I
Deviation withdrawal amount	Daily	INT283	INT283a	R235	<ul style="list-style-type: none"> Deviation withdrawal quantity Deviation price
Deviation amount - withdrawal	Billing Period		INT094 Settlement Statement		DEV_W
Positive/Negative uplift payment rate	Daily	INT135		Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P7.2	<ul style="list-style-type: none"> Total positive/negative uplift payments Positive/Negative surprise uplift quantity Positive/Negative congestion uplift quantity Positive/Negative average ancillary payment rate
Positive/Negative average ancillary payment rate	Daily	INT135		Wholesale Gas Market Ancillary Payment Procedures (Victoria) v2.0 P7.5.9	<ul style="list-style-type: none"> Positive/Negative final ancillary payment Positive/Negative constrained injection quantity Positive/Negative constrained withdrawal quantity
Congestion uplift quantity	Daily	INT290		Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P6	<ul style="list-style-type: none"> Effective demand forecast quantity Operating schedule controllable withdrawal quantity

Data Type	Time Period	Provisional Data	Settlement Data	Reference (R=DWGM Rule) (P=DWGM Procedure)	Settlement calculation and input data
Surprise uplift quantity	Daily	INT290		Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P5	<ul style="list-style-type: none"> Actual adjusted withdrawal quantity Actual injection quantity Effective demand forecast quantity Operating schedule quantity Operating schedule controllable withdrawal quantity
Common uplift quantity	Daily	INT290			
Residual uplift quantity	Daily	INT290			
Congestion uplift amount	Daily	INT137	INT137a	Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P7.3	<ul style="list-style-type: none"> Positive/Negative total congestion uplift quantity Positive/Negative uplift payment rate Positive means a charge, negative means a payment
Surprise uplift amount	Daily	INT137	INT137a	Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P7.4	<ul style="list-style-type: none"> Positive/Negative surprise uplift quantity Positive/Negative uplift payment rate Positive means a charge, negative means a payment
Common uplift amount	Daily	INT137	INT137a	Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P7.5	<ul style="list-style-type: none"> Total uplift payment Congestion uplift payment Surprise uplift payment Positive means a charge, negative means a payment
Residual uplift amount	Daily	INT137	INT137a	Wholesale Market Uplift Payment Procedures (Victoria) v3.0 P7.5.3	<ul style="list-style-type: none"> Total uplift payment Congestion uplift payment Surprise uplift payment Residual demand forecast override Positive means a charge, negative means a payment
Uplift charge	Billing Period		INT094 Settlement Statement		UPL

Data Type	Time Period	Provisional Data	Settlement Data	Reference (R=DWGM Rule) (P=DWGM Procedure)	Settlement calculation and input data
Operating schedule bid step price	Daily	INT041			
AGINO	Daily	Can be derived from INT151, INT149	Can be derived from INT151, INT254	Wholesale Gas Market Ancillary Payment Procedures (Victoria) v2.0 P5.1	<ul style="list-style-type: none"> Operating schedule injection quantity Actual injection quantity
AGWNO	Daily	Can be derived from INT151, INT149	Can be derived from INT151, INT254	Wholesale Gas Market Ancillary Payment Procedures (Victoria) v2.0 P5.2	<ul style="list-style-type: none"> Operating schedule withdrawal quantity Actual withdrawal quantity
MSIQ	Daily	Can be derived from INT041, INT151		Wholesale Gas Market Ancillary Payment Procedures (Victoria) v2.0 P6.1	<ul style="list-style-type: none"> Effective pricing schedule injection quantity
MSWQ	Daily	Can be derived from INT041, INT151		Wholesale Gas Market Ancillary Payment Procedures (Victoria) v2.0 P6.2	<ul style="list-style-type: none"> Effective pricing schedule withdrawal quantity
Ancillary payment	Daily	INT116	INT116b	Wholesale Gas Market Ancillary Payment Procedures (Victoria) v2.0 P7	<ul style="list-style-type: none"> Operating schedule injection quantity Operating schedule withdrawal quantity AGINO AGWNO MSIQ MSWQ Market price Operating schedule bid step price Negative means a charge, positive means a payment
Ancillary payment	Billing Period		INT094 Settlement Statement		ANC

Data Type	Time Period	Provisional Data	Settlement Data	Reference (R=DWGM Rule) (P=DWGM Procedure)	Settlement calculation and input data
Market fees	Market Parameter	AEMO website		R Part19, Retail Market Procedures	
Participant compensation fund	Market Parameter	AEMO website		R Part19 Subdivision 4	
Interest	Settlement Run		INT138		

Note:

1. INT282 Imbalance Allocation report does not include settlement ID as it remains unchanged from the point it is calculated (D+1) to its use in settlements.
2. Data in most of the MIBB reports are time stamped. Use the relevant data for the settlement run.