GUIDE TO GAS SUPPLY HUB DELIVERY NETTING PREFERENCES

EXPLAINS HOW TO USE DELIVERY NETTING PREFERENCES IN THE EMMS WEB PORTAL

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IMPORTANT NOTICE

Purpose

This Guide to Gas Supply Hub Delivery Netting Preferences, prepared by the Australian Energy Market Operator (AEMO), provides guidance for Delivery Netting Preferences under the National Gas Rules (Rules).

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Trademark Notices

None

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Documents made obsolete

The release of this document changes any previous versions of Guide to Gas Supply Hub Delivery Netting Preferences.

Further Information

For further information, please visit AEMO's website www.aemo.com.au or contact AEMO's Support Hub, Phone: 1300 AEMO 00 (1300 236 600) and follow the prompts. Email: supporthub@aemo.com.au.

Feedback

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's Support Hub.

CONTENTS

INTRODUCTION

Purpose

This guide explains how to use Delivery Netting Preferences in the EMMS web portal. It describes the interface and how to enter your preferences. It also describes the Delivery Netting Preferences Report and how to receive it.

Audience

This guide is relevant to registered *Trading Participants* requiring an understanding of Delivery Netting Preferences in the EMMS web portal or an overview of uploading GSH delivered quantity data to the participant file share.

The secondary audience is participant administrators wanting to know the user rights management (URM) entity for participant users to access Delivery Netting Preferences.

How to use this guide

- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules, and information or a term in this document, the Rules take precedence.
- Text in this format indicates there is a resource on AEMO's website.
- For an explanation of the terms and abbreviations, see Glossary on page 18
- Glossary terms are Capitalised and have the meanings listed against them.
- *Italicised terms* are defined in the National Electricity Rules. Any rules terms not in this format still have the same meaning.
- Actions to complete in the web portal interface are **bold and dark blue**.

What's in this guide

1. Introduction above explains the guides purpose, who it is intended for, how to use it, and related information that may assist you.
2. About Delivery Netting Preferences on page 3 describes the Delivery Netting Preferences purpose, who can use it, how to use it, and the required user access rights.
3. Accessing Delivery Netting Preferences on page 4 explains where to find Delivery Netting Preferences in the EMMS Web Portal.
4. View Delivery Netting Preferences summary on page 5 describes the summary view interface.
5. View or edit Delivery Netting Preferences on page 6 explains the detailed view interface and how to edit your Delivery Netting Preferences.

6. Delivery Netting Preferences report on page 9 describes the fields in the Delivery Netting Preferences Report and the Gas Data Model tables required to access it.

7. Needing Help on page 15 provides information about contacting AEMO's Support Hub.

8. Glossary on page 18 explains the abbreviations and terms used throughout this guide. Glossary terms are capitalised throughout this guide.

ABOUT DELIVERY NETTING PREFERENCES

What Delivery Netting Preferences is for

Trading Participants use the Delivery Netting Preferences web application to update their preferred delivery location prior to netting & delivery.

When you can update preferences

Participants can update their preferred delivery positions in the Delivery Netting Preferences interface until 12:30 hrs, 1 day prior to delivery.
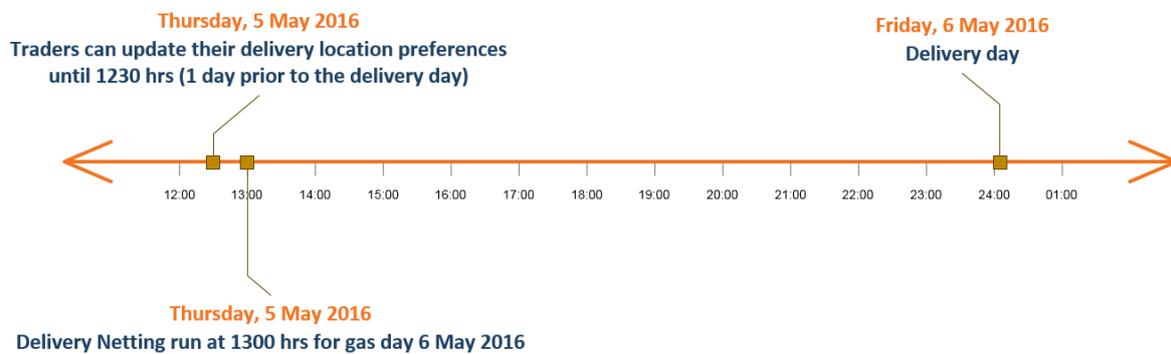
Who can use Delivery Netting Preferences

Participants having access to the Delivery Netting Preferences web application include registered *Trading Participants* and AEMO.

How do you use Delivery Netting Preferences

The Delivery Netting Preferences application works in the following way:

1. Participants choose their Delivery Netting Preferences.

2. The application prepares a case and solution file.

3. The application prepares the Delivery Netting Preferences Report, see Delivery Netting Preferences report on page 9.

There are two interfaces to view your Delivery Netting Preferences:

1. A summary view of preferences across time, see View Delivery Netting Preferences summary on page 5

2. A detailed view of preferences for a time slice, used for viewing or editing, see View or edit Delivery Netting Preferences on page 6

USING DELIVERY NETTING PREFERENCES

In this chapter:

Accessing Delivery Netting Preferences

To access the Delivery Netting Preferences web application:

1. Using your web browser, access the Web Portal, either:
   ○ Pre-production: https://portal.preprod.nemnet.net.au
   ○ Production: https://portal.prod.nemnet.net.au

   The Web Portal gives you a clear indication of the environment you are working in by providing a different border colour around the home page. The production environment has a grey border and the pre-production environment has a green border.

2. Sign in using the user ID and password provided by your company's PA.

3. Under **Gas Supply Hub**, select **Delivery Netting Preferences**, and then **View Preferences**.
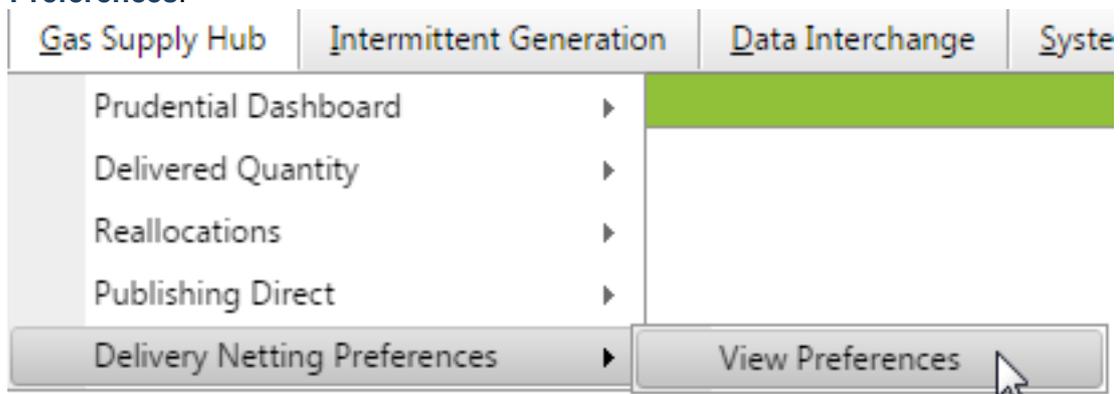
4. The Delivery Netting Preferences summary displays, View Delivery Netting Preferences summary on the next page.

View Delivery Netting Preferences summary

Figure 1 Delivery Netting Preferences summary

Explanation

1. The **Participant** drop-down contains the GSH participant IDs belonging to the **User ID**. Depending on your company's set-up or the user rights provided by your company's participant administrator (PA), it can have one or multiple participants.

2. The **Product** drop-down is used to select the netted product.

3. The **From Date** and **To Date** are any time from the start of the netting process (March 2017 in production) to the current day. To look back at preference history, you can use a date in the past.

4. The **Summary** is generated from the options selected in the Detailed Delivery Netting Preferences.

5. Click **View** to see a detailed preference view, for more information, see View Delivery Netting Preferences Detail on page 1.

6. Click **Edit** to edit preference detail. You can only edit preferences with a future end date. That is, an end date greater than when the preference is used in netting.

7. Select **New** to open the Detailed Delivery Netting Preferences to add new preferenceView or edit Delivery Netting Preferences on the next page

For help accessing the Delivery Netting Preferences web application, see Accessing Delivery Netting Preferences on the previous page.

View or edit Delivery Netting Preferences

Figure 2 View or edit Delivery Netting Preferences

Explanation

1. The **Start Date** must be before the cut-off date, when the delivery netting runs for that day. If editing an existing record, you can change the start date.

2. The **End Date** can be any date in the next 100 years. If editing an existing record, you can change the end date.

3. **Use Net Position** is the default selection. Selecting this option tells the Delivery Netting run to take the long or short net position with most recent transactions used to define the preferred delivery point.

4. Select the **Use Both Buy and Sell Positions** options to tell the Delivery Netting run to take both buy and sell position with transactions used to define the preferred delivery point.

5. Select **Update Delivery Points** to enter preferred delivery points and volumes.
Submissions entered override points entered at the time of order for traded quantities.
The grids displayed depend on the option you selected in step 3 or 4 (see Figure 3 below
and Figure 4 on the next page).
You can use the grids like a spreadsheet to move rows and cells up and down, delete and
insert them.

Figure 3 Update delivery points with Use Net Position selected

Figure 4 Update delivery points with Use both Buy and Sell Positions selected

6. Select **Match position(s) in groups** to tell the Delivery Netting run to match at the preferred location.

7. The grid displayed depends on the option you selected in step 3 or 4 (see Figure 3 on the previous page and Figure 4 above).

8. The **Summary** generated from the options you selected above.

9. Click to **Submit** your delivery preferences.

10. Click **Reset Interface** to reset the Delivery Point preferences to the default for the selected date range. This does not submit your preferences.

For help accessing the Delivery Netting Preferences web application, see Accessing Delivery Netting Preferences on page 4.

DELIVERY NETTING PREFERENCES REPORT

In this chapter:

Each time you make a change to your Delivery Netting Preferences in the web interface, an audit trail of the entries is prepared and a report made available to participants. There are two parts to the report:

1. Main Delivery Netting Preferences, Table 1.

2. Delivery Netting Delivery Point Preferences, Table 2.

AEMO automatically subscribes participants to the report. You can unsubscribe in the Data Subscription interface in the EMMS Web Portal, For help, see **Guide to Data Subscription**.

When updates are made in the Delivery Netting Preferences interface, the report is delivered to the Participant File Server where you can retrieve it using FTP or Data Interchange (DI), Figure 5 on page 12.

For information about Gas Data Model tables, Data Interchange on page 12

Table 1 Main Delivery Netting Preferences

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING (20)	True	True	Unique Market ID	GSH
PARTICIPANT_ CODE	STRING (20)	True	True	Participant code	ES584
PRODUCT_ LOCATION	STRING (80)	True	True	Product location for the GSH market	Wallumbilla
VERSION_ DATETIME	DATE	True	True	Date and time preference entered	2016/07/21 13:20:21
START_DATE	DATE	True	False	Date preference takes effect	2016/07/24
END_DATE	DATE	True	False	Date preference takes effect until	2016/08/10
CHOSEN_ POSITION	STRING (20)	False	False	Type of position used. Valid values are: • NET • BUY/SELL	NET
USE_	STRING	False	False	Whether original delivery points specified in	Y

Field Name	Data Type	Not Null	Primary Key	Description	Examples
TRANSACTIONS	(1)			trades are used. Valid values are: • Y • N	
USE_GROUPS	STRING (1)	False	False	Whether original delivery points specified in trades are used. Valid values are: • Y • N	N
LAST_ UPDATED	DATE	True	False	Date & time of preference updates	2016/07/21 13:20:21
LAST_ UPDATED_BY	STRING (20)	True	False	User ID updating the preference	jsmith
LASTCHANGED	DATE	True	False	Date & time of report generation	2016/07/21 13:20:24

Table 2 Delivery Netting Delivery Point Preferences

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING (20)	True	True	Unique Market ID	GSH
PARTICIPANT_ CODE	STRING (20)	True	True	The participant code	ES584
PRODUCT_ LOCATION	STRING (80)	True	True	Product location for the GSH market	Wallumbilla
VERSION_ DATETIME	DATE	True	True	Date and time preference entered	2016/07/21 13:20:21
POSITION_TYPE	STRING (20)	False	False	Type of position used. Valid values are: • NET • BUY • SELL	NET
PRIORITY	NUMBER	False	False	Order of priority for overriding delivery points	1
DELIVERY_POINT	STRING (40)	False	False	Name of delivery point	RBP Run 3

Field Name	Data Type	Not Null	Primary Key	Description	Examples
VOLUME	NUMBER	False	False	Amount (GJ) to assign to delivery point	1000
LAST_UPDATED	DATE	True	False	Date & time of preference updates	2016/07/21 13:20:21
LASTCHANGED	DATE	True	False	Date & time of report generation	2016/07/21 13:20:24

Data Subscription

AEMO automatically subscribes participants to the Delivery Netting Preferences Report. You can unsubscribe in the Data Subscription interface in the EMMS Web Portal.

For help using Data Subscriptions, see Guide to Data Subscriptions.

The Identifier to subscribe or unsubscribe is GSH_Delivery_Nett_Prefs.

	Data Model	Identifier	Status	Description	Type
☐	No	GSHMARKETNOTICE	Assignable	GSH Market Events Notice Letter	Csv
☐	Yes	GSH_BENCHMARK_PRICE_FIRM	Assignable	(DM:GSH) GSH Benchmark Price - Firm	Csv
☐	Yes	GSH_BENCHMARK_PRICE_NONFIRM	Assignable	(DM:GSH) GSH Benchmark Price - Non Firm	Csv
☐	Yes	GSH_DAILY_TRANS_SUMMARY	Assignable	(DM:GSH) Gas Supply Hub Daily Transaction Summary	Csv
☐	Yes	GSH_DELIVERED_QUANTITY_GROUP	Assignable	(DM:GSH) Gas Supply Hub Delivered Quantity Report	Csv
☐	Yes	GSH_DELIVERED_QUANTITY_RANGE	Assignable	(DM:GSH) Gas Supply Hub Delivered Quantity Report	Csv
☑	Yes	GSH_DELIVERY_NETT_PREFS	Assignable	(DM:GSH) Gas Supply Hub History table of Delivery Netting Preferences entered through the web site	Csv
☐	Yes	GSH_DELIVERY_OBLIGATION_NETTIN	Assignable	(DM:GSH) Gas Supply Hub Delivery Obligations Report after netting	Csv
☐	Yes	GSH_DE...Y_OBLIGATION_RANGE	Assignable	(DM:GSH) Gas Supply Hub Delivery Obligations Report for a ...range	Csv

Figure 5 Retrieving the Delivery Netting Preferences Report
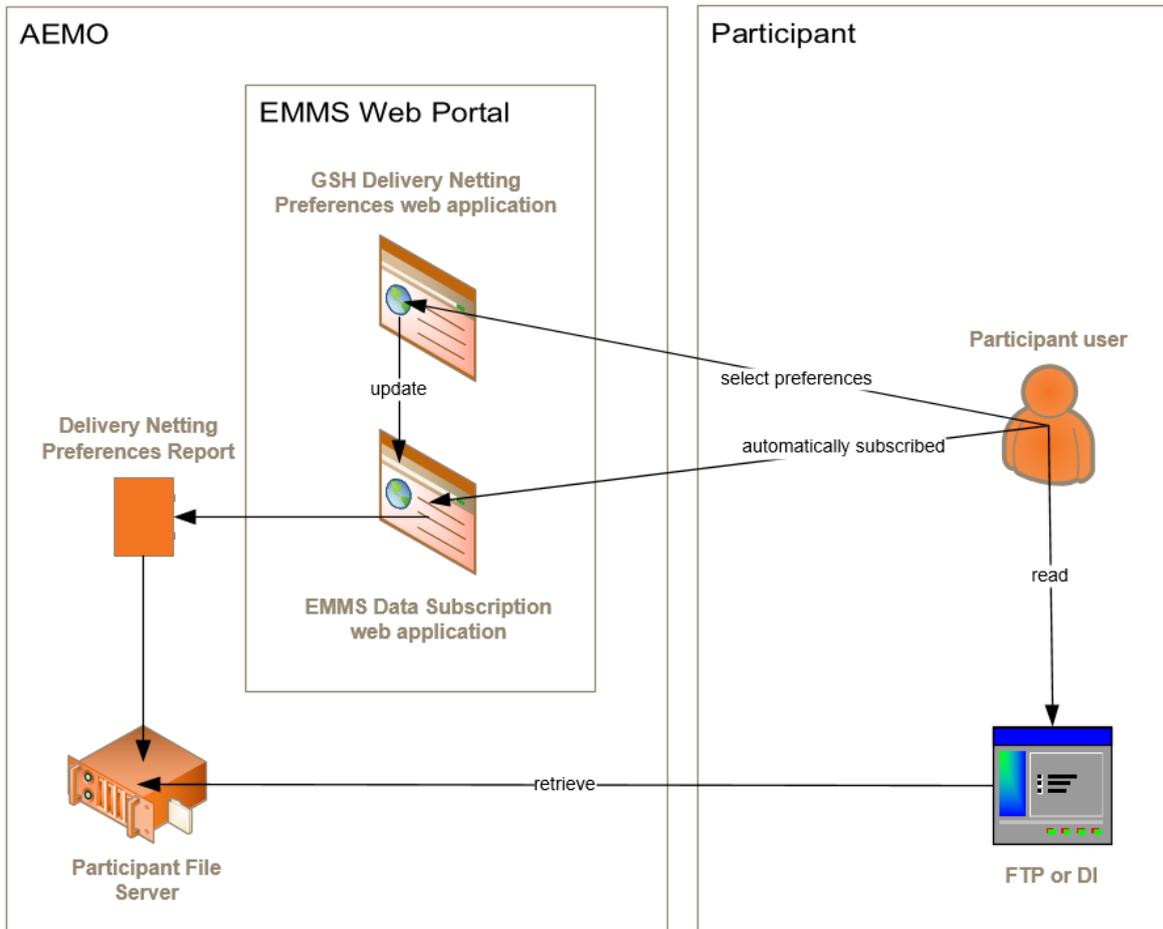
Data Interchange

This section explains the Gas Data Model tables required to receive the Delivery Netting Preferences Report.

For help using Data Interchange, see Concise Guide to Data Interchange.

Table: GSH_DELIVERY_NETT_PREFS

Name	GSH_DELIVERY_NETT_PREFS
Comment	Provide a history of Delivery Netting Preferences entered through the new Delivery Netting web interface.
Visibility	Private
Trigger	Produced when participants update delivery netting preferences in the Web

	Portal.
Participant file share location	\<#INTRFACE\>\\<#PARTICIPANTID\>\IMPORT\GSH\REPORTS
Primary key (in order)	MARKET_ID, PARTICIPANT_CODE, PRODUCT_LOCATION, VERSION_DATETIME

Columns

Field name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID
PARTICIPANT_CODE	VARCHAR2(20)	The participant code
PRODUCT_LOCATION	VARCHAR2(80)	Product location for the GSH market
VERSION_DATETIME	DATE	Date and time preference entered
START_DATE	DATE	Date preference takes effect from
END_DATE	DATE	Date preference takes effect until
CHOSEN_POSITION	VARCHAR2(20)	Type of position used. Valid values are: • NET • BUY/SELL
USE_TRANSACTIONS	VARCHAR2(1)	Whether original delivery points specified in trades will be used: • Y • N
USE_GROUPS	VARCHAR2(1)	Indicates if positions are matched using groups: • Y • N
LAST_UPDATED	DATE	The date & time the preference was updated
LAST_UPDATED_BY	VARCHAR2(20)	The user name who updated the preference
LASTCHANGED	DATE	The date & time the report was generated

Table: GSH_DELIVERY_NETT_POINTS

Name	GSH_DELIVERY_NETT_POINTS
Comment	List of delivery point preferences if delivery points are overridden. Child record of GSH_DELIVERY_NETT_PREFS
Visibility	Private
Trigger	Produced when participants update delivery netting preferences in the Web Portal.
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\GSH\REPORTS
Primary key (in order)	MARKET_ID, PARTICIPANT_CODE, PRODUCT_LOCATION, VERSION_DATETIME, POSITION_TYPE, PRIORITY

Columns

Field name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID
PARTICIPANT_CODE	VARCHAR2(20)	The participant code
PRODUCT_LOCATION	VARCHAR2(80)	Product location for the GSH market
VERSION_DATETIME	DATE	Date and time preference entered
POSITION_TYPE	VARCHAR2(20)	Type of position used. Valid values are: • NET • BUY • SELL
PRIORITY	NUMBER(3,0)	Order of priority for overriding delivery points
DELIVERY_POINT	VARCHAR2(40)	Name of delivery point
VOLUME	NUMBER(18,8)	Amount (Gj) to assign to delivery point
LAST_UPDATED	DATE	The date & time the preference was updated
LASTCHANGED	DATE	The date & time the report was generated

NEEDING HELP

In this chapter:

Web portal requirements

The Delivery Netting Preferences web portal is accessed using a web browser and requires:

- The website address where the application is located on AEMO's network.
- Either the current or previous versions of Microsoft Internet Explorer or Google Chrome.
- Access to MarketNet. If your company is a registered participant, you probably already have access because it is set up during the registration process, for more details, see Guide to Information Systems.
- A user ID and password provided by your company's participant administrator (PA) who controls access to AEMO's web portals. For more details see Guide to User Rights Management (URM).
  PAs are set up during the registration process, if you don't know who your company's PA is, contact AEMO's Support Hub Email: supporthub@aemo.com.au

Delivery Netting Preferences runs on both Windows and Unix-like operating systems.

User rights access

Your company's Participant Administrator (PA) provides access to Delivery Netting Preferences for participant users in the **MSATS>Administration>Maintain Entities** menu, using the following entity:

- GSH – Netting Preferences

If you don't know who your company's PA is, contact AEMO's Support Hub.

For more details about participant administration and user rights access, see Guide to User Rights Management**.**

Related resources

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

You can find resources mentioned in this guide on AEMO's website: www.aemo.com.au. Text in this format indicates there is a resource on AEMO's website.

Concise Guide to Data Interchange	Assists participants to understand AEMO's Data Interchange software, describing how to set up a standard Data Interchange environment to replicate data between AEMO's wholesale energy market systems and participants' local DBMS conforming to the electricity or gas Data Models.
Guide to Data Subscription	Provides instructions for using the Data Subscription interface to subscribe to packages and report in the EMMS Web Portal.
Guide to User Rights Management	Assists participant administrators (PAs) to use the user rights management functions available in the MSATS web portal.

AEMO's Support Hub

Contacting the support hub

Assistance is requested through AEMO's Support Hub using one of the following methods:

- Phone: 1300 AEMO 00 (1300 226 600) and follow the prompts.

  For non-urgent issues, normal coverage is 8:00 AM to 6:00 PM on weekdays, Australian Eastern Standard Time (AEST).

- Email: supporthub@aemo.com.au

- The Customer Portal, http://helpdesk.preprod.nemnet.net.au/nemhelplite/ allows you to log your own requests for assistance. For access credentials, see your organisation's IT security contact or participant administrator.

Please note that AEMO recommends participants call AEMO's Support Hub for all urgent issues, whether or not you have logged a call in the Customer Portal.

Information to provide

Please provide the following information when requesting assistance from AEMO:

- Your name
- Organisation name
- Participant ID
- System or application name
- Environment: production or pre-production
- Problem description
- Screenshots

For AEMO software-related issues please also provide:

- Version of software
- Properties or log files
- Replication Manager support dump and instance name (if Data Interchange problem)

Feedback

To suggest improvements to this document, please contact the AEMO Information and Support Hub.

GLOSSARY

For easy reading, this guide is written in plain language. If there is a discrepancy between information or a term in this document, the Rules and procedures take precedence.

Glossary terms are capitalised and have the meanings listed against them.

AEMC
Australian Energy Market Commission

AEMO
Australian Energy Market Operator

AEMO website
www.aemo.com.au

AEST
Australian Eastern Standard Time

Author
Market Systems, Technical Writers

CSV
Comma-separated values; a file format for exchanging data.

Data Model
Refers to the Electricity or Gas Data Models, which is the definition of the interface to participants for data published by AEMO.

Delivery transaction type
A transaction record representing a participant's obligation to deliver or receipt gas. Delivery transactions are generated on import from the ETS where the transaction is in a product that is not netted for delivery or by the Delivery Netting Module if the transaction is associated with a delivery netting product.

DI
Data Interchange: The set of cooperating applications to replicate data between AEMO's Wholesale Market Systems and a participant's RDBMS conforming to the Electricity and/or Gas Data Models.

Energy Market Systems Web Portal (web portal)
Web interfaces to AEMO's market applications for participants.

FTP
File transfer protocol

Gas day
A specific and designated day of gas trading.

GJ
Gigajoule

GSH
Gas Supply Hub

MarketNet
AEMO's private network available to participants having a participant ID

MSATS
Retail Market Settlement and Transfer Solution

MW
Megawatt

NGR
National Gas Rules; also often just called the Rules

PA
Participant Administrator; manages participant organisations user access and security.

Participant File Server
Each Participant ID has secure read-write access to their own set of folders, plus read-only access to folders accessible by all participants (public data). The private folders are for secure transfer of data between the Participant ID systems and AEMO (such as, bidding and settlement invoices).

Participant ID
Registered participant identifier

Pre-production
AEMO's test system available to participants

Production
AEMO's live system

Rules
The National Electricity or Gas Rules.

SEQ
South-East Queensland

SWQP
South-West Queensland Pipe

URM
User Rights Management; see the Guide to
URM on AEMO's website

WAL
Wallumbilla spread product

WAL Product
The single trading location in the Gas Supply
Hub (GSH).

ZIP
The file compression format used for exchanging
data with AEMO.

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