

Guide to GSH Point Preferences

1.00 Final March 2019

Gas Supply Hub

Important Notice

PURPOSE

This Guide to GSH Point Preferences (Guide), prepared by the Australian Energy Market Operator (AEMO), provides guidance for Point Preferences under the National NGR and NGL (Rules).

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The release of this document changes any previous versions of Guide to GSH Point Preferences.

FEEDBACK

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

Contents

Chapter 1 Introduction
Purpose
Audience
How to use this guide
What's in this guide 2
Chapter 2 About Point Preferences
What Point Preferences is for 3
When can you update preferences 3
Who can use Point Preferences
How do you use Point Preferences
Chapter 3 Using Point Preferences
Accessing Point Preferences
View Point Preferences summary
View or edit Point Preferences
Chapter 4 Point Preferences report
Data Subscription
Data Interchange
Needing Help
Web portal requirements
User rights access
References
AEMO's Support Hub21
Feedback
Glossary

Chapter 1 Introduction

Purpose

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

Audience

This guide is relevant to registered *Trading Participants* requiring an understanding of Point Preferences in the EMMS web portal or an overview of uploading GSH¹ delivered quantity data to the participant file share.

The secondary audience is participant administrators wanting to know the user rights management (URM²) entity for participant users to access Point Preferences.

How to use this guide

- This guide is written in plain language for easy reading.
- Where there is a discrepancy between the NGR³ and NGL, and information or a term in this document, the NGR⁴ and NGL takes precedence.
- Where there is a discrepancy between the Procedures, and information or a term in this document, the Procedures take precedence.
- Text in this format indicates there is a resource on AEMO⁵'s website, for details, see References.
- Text in this format indicates a link to a related resource.
- Actions to complete in the web portal interface are **bold and dark grey**.
- Glossary terms are capitalised and have the meanings listed against them.

¹Gas Supply Hub

²User Rights Management; see the Guide to URM on AEMO's website

³National Gas Rules; also often just called the Rules

⁴National Gas Rules; also often just called the Rules

⁵Australian Energy Market Operator

- *Italicised terms* are defined in the NGR¹ and NGL. Any rules terms not in this format still have the same meaning.
- References to time are Australian Eastern Standard Time (AEST²).

What's in this guide

- Chapter 2 About Point Preferences on page 3 explains what Point Preferences is for, who can use it, and how to use it.
- Chapter 3 Using Point Preferences on page 5 explains where to find Point Preferences in the EMMS Markets Portal and how to view and edit Point Preferences.
- Chapter 4 Point Preferences report on page 11 describes the fields in the Point Preferences Report and the Gas Data Model tables required to access it.
- Needing Help provides information about Markets Portal requirements, user rights access, resources mentioned throughout this guide and how to contact AEMO's Support Hub.
- Glossary explains the abbreviations and capitalised terms used throughout this guide.

¹National Gas Rules; also often just called the Rules

²Australian Eastern Standard Time

Chapter 2 About Point Preferences

What Point Preferences is for

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

When can you update preferences

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



Delivery Netting run at 1300 hrs for gas day 6 May 2016

Who can use Point Preferences

Participants having access to the Point Preferences web application include registered *Trading Participants* and AEMO¹.

How do you use Point Preferences

The Point Preferences application works in the following way:

- 1. Participants choose their Point Preferences.
- 2. The application prepares a case and solution file.
- 3. The application prepares the Point Preferences Report, see Point Preferences report.

There are two interfaces to view your Point Preferences:

- 1. A summary view of preferences across time, see View Point Preferences summary
- 2. A detailed view of preferences for a time slice, used for viewing or editing, see View or edit Point Preferences

¹Australian Energy Market Operator

Chapter 3 Using Point Preferences

In this chapter:

Accessing Point Preferences	5
View Point Preferences summary	6
View or edit Point Preferences	8

Accessing Point Preferences

To access the Point Preferences web application:

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

The Markets 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.

E AEMO Markets Portal (pre- production)	I	√arkets Portal application Australian Energy Market Operator Limited (NEMMCO) Participant User ∨	0
MMS	-	Data Model Files Subscription for Australian Energy Market Operator Limited	-
Market Info	+	NOTE:	
Settlements	+	The latest version of the MMS Data Model is v4.27. The previous or legacy version is v4.26 You should subscribe to the new version of any legacy files you are currently subscribed to. Please ensure new files are processing	
Offers prissions		successfully before unsubscribing from legacy files.	

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

3. Under Gas Supply Hub, Gas Supply Hub select Delivery Netting Preferences, and then View Prudential Dashboard +Point Preferences. The Point Preferences **Delivered Quantity** +summary displays, View Point Preferences summary. Reallocations +**View Point Preferences** Publishing Direct + summary **Delivery Netting Preferences** Figure 1 Point Preferences summary View Contract References View Point Preferences



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 Point Preferences.
- 5. Click View to see a detailed preference view, for more information, see View Point Preferences Detail.
- 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 Point Preferences to add new preferenceView or edit Point Preferences

View or edit Point Preferences

Figure 2 View or edit Point Preferences

Point Preferences

Participant:				
Origin Energy Retail Ltd	•			
Product:				
GAS-AGP-ALS-DAR	•			
Start Date:	End Date:			
12/12/2018	19/12/2018]	
Use same for either ne	et buy or sell	Use differen	t for net buy and net	sell

Update Delivery Points

Summary

Use same for either net buy or sell, with points selected in Trayport Order(s).



- 1. The **Start Date** must be some date in the future, when the delivery netting runs for that day. If you are 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 same for either net buy or sell is the default selection. Selecting this option tells the Delivery Netting run to take use the preferred delivery point for either buy or sell positions.

- Select the Use different for net buy and net sell options to tells the Delivery Netting run to take use the preferred delivery point for either buy or sell positions.
- 5. Select **Update Delivery Points** to enter preferred delivery and receipt 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 and Figure 4).

You can use the grids like a spreadsheet to move rows and cells up and down, delete and insert them.

	To s	elect a delivery point, click the drop-down
Net Pos	sition Preferences	Right-click a cell to modify the grid
	Delivery Point	Volume
1	WAL HP Trade Point	Insert row above
2	RBP IPT	Insert row below
3	WAL HP Trade Point	
4	1	
	/	 Insert column on the right
To move	e a cell, click it and position your	Remove row
cursor u	until you see the crosshair. Then	drag Remove column
the cen		
Trade	e Point, null at unspecified (delivery Redo
		Read only
		Alignment 🕨

Figure 3 Update Delivery Points with Use same for either net buy or sell

Use same for either net buy or sell	Use different for net buy and net sell

Update Delivery Points

Select receipt and delivery point to be applied to net position

Net Position Preferences

	Delivery Point	Receipt Point	Volume
1			0

Figure 4 Update delivery points with Use different for net buy and net sell

Use s	ame for either net buy or s	Use different for I	net buy and	d net sell				
✓ Update Delivery Points								
Select re	ceipt and delivery point	to be applied to net posi	tion					
Buy Prefe	erences			Sell Prefe	erences			
	Delivery Point	Receipt Point	Volume		Delivery Point	Receipt Point	Volume	
1			0	1			0	

The Summary generated from the options you selected above.

- 6. Click to Submit your delivery preferences.
- 7. Click **Reset Interface** to reset the Delivery Point preferences to the default for the selected date range. This does not submit your preferences.

Chapter 4 Point Preferences report

In this chapter:

Data Subscription	. 13
Data Interchange	. 15

Each time you make a change to your Point 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 Point Preferences, Table 1.
- 2. Delivery Point Preferences, Table 2.

AEMO¹ 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 Server² where you can retrieve it using FTP^3 or Data Interchange (DI⁴), Figure 5.

For information about Gas Data Model tables, Data Interchange

¹Australian Energy Market Operator

²Each 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).

³File transfer protocol

⁴Data 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.

Table 1 Main 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	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_ TRANSACTIONS	STRING (1)	False	False	Whether original delivery points specified in trades are used. Valid values are: • Y • N	Y
USE_GROUPS	STRING (1)	False	False	Whether original delivery points specified in trades are used. Valid values are: • Y • N	Ν
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 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
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

AEMO¹ automatically subscribes participants to the Point Preferences Report. You can unsubscribe in the Data Subscription interface in the EMMS Web Portal.

¹Australian Energy Market Operator

The Identifier to subscribe or unsubscribe is ${\sf GSH}^1_$ Delivery_Nett_Prefs.

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

Data Model	Identifier	Status	Description	Туре
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
-Yesura	GSHLDE YOBUGATION BANGE	Assignable	course (Gas Simulation Deliver addications Remotion and Canad	Csv

¹Gas Supply Hub



Figure 5 Retrieving the Point Preferences Report

Data Interchange

This section explains the Gas Data Model¹ tables required to receive the Point Preferences Report.

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

¹Refers to the Electricity or Gas Data Models, which is the definition of the interface to participants for data published by AEMO.

Table: GSH_DELIVERY_NETT_PREFS

Name	GSH ¹ _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

Data Interchange

Field name	Data type	Comment
		• 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 ¹ _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 ¹ 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

¹Gas Supply Hub

Needing Help

In this chapter:

Web portal requirements	
User rights access	20
References	20
AEMO's Support Hub	21
Feedback	22

Web portal requirements

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

- The website address where the application is located on AEMO¹'s network:
 - Pre-production: https://msats.preprod.nemnet.net.au
 - Production: https://msats.prod.nemnet.net.au
- Either the current or previous versions of Microsoft Internet Explorer or Google Chrome.
- Access to MarketNet²; if your company is a registered participant, you probably already have access because it is set up during participant onboarding. For more details, see Guide to Information Systems.
- A user ID and password provided by your company's participant administrator (PA³) who controls access to AEMO⁴'s web portals. For more details see Guide to User Rights Management (URM).
 PAs are set up during participant onboarding, if you don't know who your

PAs are set up during participant onboarding, if you don't know who you company's PA⁵ is, contact AEMO⁶'s Support Hub.

¹Australian Energy Market Operator

²AEMO's private network available to participants having a participant ID

³Participant Administrator; manages participant organisations user access and security.

⁴Australian Energy Market Operator

⁵Participant Administrator; manages participant organisations user access and security.

⁶Australian Energy Market Operator

User rights access

Your company's Participant Administrator (PA¹) provides access to Point 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^2 is, contact AEMO³'s Support Hub.

References

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

You can find resources mentioned in this guide on AEMO⁴'s website: www.aemo.com.au. Text in this format indicates there is a resource on AEMO⁵'s website.

- **Guide to Data Subscription**: Provides instructions for using the Data Subscription interface to subscribe to packages and reports in the EMMS Markets Portal.
- **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 User Rights Management, assists Participant Administrators to manage their Participant User's access to AEMO's systems. It also explains how to set up single user IDs for use with the Set Participant function in AEMO's web portals.

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

¹Participant Administrator; manages participant organisations user access and security.

²Participant Administrator; manages participant organisations user access and security.

³Australian Energy Market Operator

⁴Australian Energy Market Operator

⁵Australian Energy Market Operator

AEMO's Support Hub

IT assistance is requested through one of the following methods:

• Phone: 1300 AEMO 00 (1300 236 600)

For non-urgent issues, normal coverage is 8:00 AM to 6:00 PM on weekdays, Australian Eastern Standard Time (AEST¹).

• The Contact Us form on AEMO's website.

Information to provide

Please provide the following information when requesting assistance from AEMO²:

- Your contact details
- Company name
- Company ID
- System or application name
- Environment: production or pre-production
- Problem description
- Screenshots

For AEMO³ software-related issues please also provide:

- Participant ID⁴ (if Data Interchange (DI⁵) problem)
- Version of software

AEMO recommends participants call AEMO's Support Hub for all urgent issues, whether or not you have logged a call using the contact us form.

¹Australian Eastern Standard Time

²Australian Energy Market Operator

³Australian Energy Market Operator

⁴Registered participant identifier

⁵Data 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.

- Properties or log files
- PDR Monitor support dump and DI^1 instance name (if DI^2 problem)

Feedback

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

¹Data 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.

²Data 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.

Glossary

AEMC

Australian Energy Market Commission

AEMO Australian Energy Market Operator

AEMO website www.aemo.com.au

AEST Australian Eastern Standard Time

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 Markets Portal (Markets Portal) AEMO's web 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 readwrite 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.

Index

Accessing 5 Data Interchange 15 Data Subscription 13 Delivery Netting Delivery Point Preferences 13 **Delivery Netting Preferences Report** 11 Feedback 22 Gas Data Model tables 15 Glossary 23 GSH_DELIVERY_NETT_POINTS 17 GSH_Delivery_Nett_Prefs 14 GSH_DELIVERY_NETT_PREFS 16 Guide to Data Subscription 20 Main Delivery Netting Preferences 12 Retrieving the Report 15 Table 16-17 Update delivery points with Use both Buy and Sell Positions selected 10 Update delivery points with Use Net Position selected 10 User rights access 20 user rights management (URM) entity 1 using spreadsheet-like grids 9 Web portal requirements 19 When you can update preferences 3