GUIDE TO GAS SUPPLY HUB REPORTS

~~MARCH 2018~~MARCH 2019

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Notes

Documents made obsolete

The release of this document changes only the version of Guide to Gas Supply Hub Reports.

Further Information

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Contents

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
ETS	Exchange Trading System
GSH	Gas Supply Hub

Special terms

Term	Definition
Energy Market Systems Web Portal	Single web portal interface for access to AEMO's web applications. Pre-production: http://preprod.nemnet.net.au Production: http://prod.nemnet.net.au
Gas day	The 24-hour period beginning at the time specified in the relevant Product Specification within the GSH Exchange Agreement. .
Gas Hub Direct	The GSH reporting application available using the Energy Market Systems Web Portal.
Participant File Share	The FTP server where participants can directly access reports from their own private folder.

1 Introduction

1.1 Purpose

This guide details the specifications for the Gas Supply Hub (GSH) market reports produced by AEMO for participants.

1.2 Audience

This guide is relevant to:

- GSH participant business users
- GSH participant IT developers
- AEMO business users and IT developers

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 on page 49on page 44.

1.4 What's in this guide

- Chapter 2 "Overview" provides the general report format, file naming convention, and definitions.
- Chapter 3 "GSH Report Details" details the specification of each report.
- Chapter 4 "References" is a list of related information and documents mentioned throughout this guide.

2 Overview

2.1 Accessing GSH reports

You can access GSH reports in two ways:

- Gas Hub Direct: the reporting application available using AEMO's Energy Market Systems Web Portal. Participants can download files directly or set up a delivery subscription. When a new version of the subscribed report is published to Gas Hub Direct, depending on the participant's subscription selections, either an email or SMS, or both is sent to the participant.

- Participant File Share: the FTP server where participants can directly access reports from their own private folder, ..\<PARTICIPANTFOLDER>\Import\REPORTS\GSH.

AEMO makes reports available online for a period of up to 6 months.

2.2 Report file format

GSH reports are in CSV file format, for further details about the format, see Guide to AEMO CSV Data Format Standard.

The first "C" record in a file contains metadata for AEMO use. Do not use this record in participant IT systems as AEMO can change the values or fields at any time without notice.

2.3 Report file naming convention

The general format of the report filename is:

[PARTICIPANT_CODE]_[FILE_ID]_[PERIOD_ID]_[CONTENT_ID]_[EVENT_QUEUE_ID].csv

For example:

ABC1_ORDERCONFIRMATION_20130405_125_0000000245036356.csv

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

Table 1: report filename components

Name part	Description	Format
[PARTICIPANT_CODE]	The participant code for private participant reports, or the word PUBLIC for public reports	Four alphanumeric characters, or 'PUBLIC'

Name part	Description	Format
[FILE_ID]	The report name	Up to 28 alpha characters long
[PERIOD_ID]	The report period identification	YYYYMMDD
[CONTENT_ID]	The file content id, this is an optional part of the filename, it only applies to some reports	Up to 20 alphanumeric characters long
[EVENT_QUEUE_ID]	The unique identifier of the file	Greater than or equal to 1 numeric character long and less than or equal to 30 numeric characters long.

2.4 Report definitions

Each report consists of the following sections:

Report details

Purpose	Brief description of the report's purpose.
Access	Specifies whether a report is produced for public view or private view by participant only.
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
Gas Hub Direct Category	Defines the "category" search filter value used for this report in Gas Hub Direct.
Gas Hub Direct Type	Defines the "type" search filter value used for this report in Gas Hub Direct.
Output filename	The file name of the published report.

Report notes

Additional notes to assist the reader in understanding the report content.

"I" and "D" record specifications

This section specifies the field values used in the "I' and "D" records in the .CSV file.

Report type	Each report contains only one report type. This is used in "I" and "D" records
Report subtype	A report may have more than one subtype and each subtype has its own unique header row. Subtypes allow CSV files to contain multiple related reports within the one file. This is used in "I" and "D" records

"I" and "D" records also contain a field called "report version" which is initially set to 1. The version number increments each time a Field is added, removed or renamed.

Table Column Name	Explanation
Field 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
Not Null	Describes whether the field is mandatory (true = mandatory).
Primary Key	Indicative primary key that may be useful for data storage schema definition. Note: Primary key definitions are only provided as suggestions of the field or fields that could constitute a primary key within a single version (instance) of the report. Additionally, there are certain reports where the primary key definition are not definable or are defined to include fields that may hold Null values.
Description	Gives further explanation for the data element.
Examples	Provides an example of the data element value.

3 GSH Report Details

3.1 Order confirmation report

Report details

Purpose	The purpose of this report is to provide the participant a confirmation whenever an order (bid or offer) is submitted, amended or cancelled.
Access	Private (participant).
Report period	One order (bid/offer) record.
Trigger	Submission, amendment or cancellation of a bid or offer order.
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Order Confirmation
Output filename	[PARTICIPANTCODE]_ORDERCONFIRMATION_yyyymmdd_[ORDERID]-[EVENT_QUEUE_ID].csv

Report notes

- The report is generated if an order passes the credit validation check for the participant.
- The report is not generated if the order submission fails validation by the Trading platform.
- The report is not generated if a trader deals an existing order directly by using the 'Deal Order' function in Trayport.
- Firm orders that become 'withheld' are reported with a status of CANCELLED.
- While the time stamps on the LAST_UPDATED and LASTCHANGED fields in this report are in A.E.S.T, the corresponding records are displayed in local system time on the trading platform screens.

"I" and "D" record specifications

Report type	GSH
Report subtype	ORDERS

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	False	The participant code used in the ETS.	ES584
PARTICIPANT_NAME	STRING(80)	True	False	The name of the participant belonging to the order.	AGL
PRODUCT_LOCATION	STRING(80)	True	False	Product location for the GSH market.	WAL, MAP, MSP, MSP->WAL, WAL Compression

Field Name	Data Type	Not Null	Primary Key	Description	Examples
PRODUCT_TYPE	STRING(80)	True	False	The product delivery period for the GSH market: • Gas - NG Prompt (Balance of day) • Gas - NG DA Days (Day ahead) • Gas - NG Days (Daily) • Gas - NG Weeks (Weekly) • Gas – NG Months (Monthly)	Gas - NG Weeks
FROM_GAS_DATE	DATE	True	False	The start gas day for the order delivery period. Disregard the time component as this is not applicable.	2013/04/22 00:00:00
TO_GAS_DATE	DATE	True	False	The end gas day for the order delivery period. Disregard the time component as this is not applicable.	2013/04/28 00:00:00
ORDER_ID	STRING(20)	True	True	The unique order ID generated by the trading platform on submission of the order.	55
ORDER_DATE	DATE	True	False	The date and time the order is submitted.	2013/04/15 13:05:22
VALID_SERVICE_REFERENCE	STRING(3)	False	False	Flag to indicate whether a valid service reference exists for the capacity product. Will be NULL for orders involving commodity products.	Yes
VALID_STTM_CONTRACT_REFERENCE	STRING(3)	False	False	Flag to indicate whether a valid STTM contract reference exists for the capacity product. Will be NULL for orders involving commodity products and non-STTM integrated capacity products.	Yes
VALID_DWGM_REFERENCE	STRING(3)	False	False	Flag to indicate whether a valid DWGM accreditation reference exists for the capacity product where a DWGM interface point has been specified. Will be NULL for orders involving commodity products and capacity products that do not have a DWGM interface point specified.	Yes
ORDER_STATUS	STRING(20)	True	False	The status of the order. Valid values are: • NEW • UPDATE • CANCELLED	NEW
ORDER_SIDE	STRING(5)	True	False	Indicates if the order is a bid or offer.	Bid

Field Name	Data Type	Not Null	Primary Key	Description	Examples
ORDER_QUANTITY	NUMBER	True	False	Gas volume of the order in GJ/day. This does not include any hidden quantity associated with the order.	550
ORDER_PRICE	NUMBER	True	False	Price value of the order in $/GJ.	2.5
EXPIRY_TYPE	STRING(80)	False	False	Order expiry type, for example ("Good_Till_Cancelled", "Good_For_Day", "Good_Till_Date").	GoodTillDate
EXPIRY_DATE	DATE	False	False	Date and time the order expires. Only applies to "Good_Till_Date" expiry type.	2013/04/16 00:00:00
DELIVERY_POINT	STRING(20)	False	False	Delivery Point specified by: • the seller in an order submission for non-netted commodity products. Relevant to sell orders only. • the buyer or seller in an order submission for capacity products ~~Delivery Point specified by the seller in an order submission—relevant to sell orders only.~~	Run1
RECEIPT_POINT	STRING(20)	False	False	Receipt Point specified by the buyer or seller in an order submission for capacity products.	Run2
ALL_OR_NONE	NUMBER	True	False	This field will be populated if the trading participant selects the 'All or none' option when submitting an order.	1
DURATION	STRING(20)	False	False	Time from order submission until expiry. Data has day format (ISO 8601).	P0Y0M48DT8H25M42S (In this example there is 48 days, 8 hours, 25 minutes and 42 seconds until the order expires)
HIDDEN_VOLUME	NUMBER	True	False	This field will be populated if the trading participant specifies a 'Hidden Volume' when submitting an order.	1000
LAST_UPDATED	DATE	True	False	The date & time the bid/offer was updated i.e. saved into the database.	2013/04/15 13:05:24
LAST_UPDATED_BY	STRING(20)	True	False	The user name in the bid/offer submission.	jsmith
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 13:06:24

3.2 Trade execution report

Report details

Purpose	The purpose of this report is to provide the participants (buyer and seller) a confirmation whenever a trade is executed through auto matching of bids and offers or by off-Market trades. The report also provides participants with a list of all their future trades that are triggered daily at the end of the trades for the current day.
Access	Private (participant)
Report period	Depending on the report trigger the report period can be: One trade execution record when event triggered Or All future trades that have a TO_GAS_DATE greater than or equal to current date when time triggered daily.
Trigger	This report has two triggers: 1. Event triggered on execution of a trade by auto matching of bid and offer or by off-Market Trade. 2. Time triggered daily at 5:05 PM AEST after the end of the trades for the current day.
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Trade Execution
Output filename	[PARTICIPANTCODE]_TRADEEXECUTION_yyyymmdd_[EVENT_QUEUE_ID].csv

Report notes

- The report is not generated if an executed trade is deleted.

- The report is not generated if the counter party rejects the off-Market trade.

- The report is issued only to the buyer and the seller of a trade when event triggered on trade execution.

- The report is issued to all participants when time triggered daily after the end of the trades for the current day; different report is generated to each participant including only the trades where the participant is a buyer or a seller.

- The report is sorted in the following order:

   o Ascending order of the "FROM_GAS_DATE", then within each "FROM_GAS_DATE",

   o Ascending order of the "PRODUCT_TYPE".

- Where a trade is associated with a product that has an applicable delivery netting rule, the counter party name and associated fields are blank.

- While the time stamps on the LAST_UPDATED and LASTCHANGED fields in this report are in A.E.S.T, the corresponding records are displayed in local system time on the trading platform screens.

"I" and "D" record specifications

Report type	GSH
Report subtype	TRADES

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	True	Unique Market ID	GSH
BUYER_PARTICIPANT_CODE	STRING(20)	False	False	The participant code used in the ETS for the participant on buy side of the trade.	ES584
BUYER_PARTICIPANT_NAME	STRING(80)	False	False	The name for the participant on the buy side of the trade.	AGL
SELLER_PARTICIPANT_CODE	STRING(20)	False	False	The participant code used in the ETS for the participant on the seller side of the trade.	AG24
SELLER_PARTICIPANT_NAME	STRING(80)	False	False	The name for the participant on seller side of the trade.	ORIGIN
FROM_GAS_DATE	DATE	True	False	The start gas day for the order delivery period. Disregard the time component as this is not applicable.	2013/04/22 00:00:00
TO_GAS_DATE	DATE	True	False	The end gas day for the order delivery period. Disregard the time component as this is not applicable.	2013/04/28 00:00:00
TRADE_ID	STRING(20)	True	True	Unique trade ID generated by the Trading Platform at the time a transaction is executed.	698
TRADE_DATETIME	DATE	True	False	Date and time the trade is executed.	2013/04/15 14:16:25
TRADE_TYPE	STRING(20)	True	False	The type of the trade. Valid values are: • AUTO_MATCHED • OFF_MARKET_TRADE	AUTO_MATCHED
PRODUCT_LOCATION	STRING(80)	True	False	Product location for the GSH market.	WAL, MAP, MSP, WAL Non-Netted, WAL Compression
PRODUCT_TYPE	STRING(80)	True	False	The product delivery period for the GSH market: • Gas - NG Prompt (Balance of day) • Gas - NG DA Days (Day ahead) • Gas - NG Days (Daily) • Gas - NG Weeks (Weekly) • Gas – NG Months (Monthly)	Gas - NG Weeks
TRADE_QUANTITY	NUMBER	True	False	Volume of gas transacted on the Trading Platform in GJ/day.	550
TRADE_PRICE	NUMBER	True	False	Price value of the trade in $/GJ.	2.5

"I" and "D" record specifications

Field Name	Data Type	Not Null	Primary Key	Description	Examples
DELIVERY_POINT	STRING(20)	False	False	Delivery Point specified by: • the seller in an order submission for non-netted commodity products • the buyer or seller in an order submission for capacity products Delivery Point specified by the seller in an order submission— relevant to non-netted products only.	Run1
RECEIPT_POINT	STRING(20)	False	False	Receipt Point specified by the buyer or seller in an order submission for capacity products.	Run2
ORDER_ID	STRING(20)	False	False	The ID of the order used in the trade from the buyer or the seller side depending on the participant getting the report. This field is null if the TRADE_TYPE is off-market or rarely if the network goes down. This field is also null where the participant uses the 'Deal Order' function to create a trade in the Trayport ETS front-end.	55
BUYER_USER_NAME	STRING(100)	False	False	Name of the buyer's account that made submission to the exchange.	abc_trader
SELLER_USER_NAME	STRING(100)	False	False	Name of the seller's account that made submission to the exchange.	abc_trader
RELATIONSHIP_ID	NUMBER	True	False	This field will be populated for transactions executed as part of a spread product. Trades triggered by the matching of orders in a spread product will have the same RELATIONSHIP_ID.	150
VALID_SERVICE_REFERENCE	STRING(3)	False	False	Flag to indicate whether a valid service reference exists for the traded capacity product. Will be NULL for trades involving commodity products.	Yes
VALID_STTM_CONTRACT_REFERENCE	STRING(3)	False	False	Flag to indicate whether a valid STTM contract reference exists for the traded capacity product. Will be NULL for trades involving commodity products and non-STTM integrated capacity products.	Yes
VALID_DWGM_REFERENCE	STRING(3)	False	False	Flag to indicate whether a valid DWGM accreditation reference exists for the traded capacity product where a DWGM interface point has been specified. Will be NULL for trades involving commodity products and capacity products that do not have a DWGM interface point specified.	Yes
TRADE_STATUS	STRING(20)	True	False	Status of the trade, for example Accepted, Rejected or Cancelled. Capacity trades are rejected if a valid service reference or STTM contract reference does not exist for the product.	Accepted
LAST_UPDATED	DATE	True	False	The date & time the trade was updated i.e. saved into the database.	2013/04/15 14:16:25

Field Name	Data Type	Not Null	Primary Key	Description	Examples
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 14:17:25

3.3 Delivered quantity report

Report details

Purpose	The purpose of this report is to provide the participants (buyer and seller) an acknowledgement whenever a delivered quantity record is submitted or confirmed. The report also provides participants with a list of all their delivered quantity records updated within the last thirty days when triggered daily prior to the start of trades for the current day.
Access	Private (participant)
Report period	Depending on the report trigger the report period can be:
	One delivered quantity submission or confirmation record. Where multiple delivered quantity records are submitted using the bulk file upload, each delivered quantity record in the upload file is included in one report.
	Or
	All delivered quantity records where "LAST_UPDATED" is within the last THIRTY gas days (LAST_UPDATED is greater than or equal current date - 30 days) when triggered daily.
Trigger	This report has two triggers: 1. Event triggered on submission and confirmation of delivered quantity. 2. Time triggered daily at 8:30 AM prior to the start of trades for the current day.
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Delivered Quantity
Output filename	[PARTICIPANTCODE]_DELIVEREDQUANTITY_yyyymmdd_[EVENT_QUEUE_ID].csv

Report notes

- The report is issued only to the buyer and the seller of a transaction when event triggered on submission and confirmation of delivered quantity.

- The report is issued to all participants when time triggered daily prior to the start of trades for the current day; different report is generated to each participant including only delivered quantity records of the trades where the participant is a buyer or a seller.

- The Wallumbilla Compression product does not have Delivery Variance

- The report is sorted in the following order:

  o Ascending order of the "LAST_UPDATED", then within each "LAST_UPDATED",

  o Ascending order of the "PRODUCT_LOCATION".

"I" and "D" record specifications

Report type	GSH
Report subtype	DELIVERED_QUANTITY

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
BUYER_PARTICIPANT_CODE	STRING(20)	True	False	The participant code used in the ETS.	ES584
BUYER_PARTICIPANT_NAME	STRING(80)	True	False	The name for the participant on buy side of the trade.	AGL
SELLER_PARTICIPANT_CODE	STRING(20)	True	False	The participant code used in the ETS for the participant on the seller side of the trade.	AG58
SELLER_PARTICIPANT_NAME	STRING(80)	True	False	The name for the participant on seller side of the trade.	ORIGIN
GAS_DATE	DATE	True	True	The delivery gas day of the trade. Disregard the time component as this is not applicable.	2013/04/13 00:00:00
TRANSACTION_ID	STRING(20)	True	True	Unique identifier for the delivery obligation transaction.	75
VERSION_DATETIME	DATE	True	True	The date & time the delivered quantity record was last modified.	2013/04/15 14:16:25
PRODUCT_LOCATION	STRING(80)	True	False	The product location for the GSH market.	RBP
TRANSACTION_QUANTITY	NUMBER	True	False	Initial gas volume of the transaction in GJ/day.	755
SETTLEMENTS_OFF_MARKET	STRING(3)	False	False	Indicates whether the buyer and seller wish to settle the delivery variance outside of the GSH market. Valid values are: • Y • N	N
DELIVERED_QUANTITY	NUMBER	False	False	The actual delivered quantity in GJ/day. This field may be null when SETTLEMENTS_OFF_MARKET=Y.	700
REASON_FOR_VARIATION	STRING(80)	False	False	The reason for the variance in the delivered quantity. Valid values are: • DELIVERY • RECEIPT • NO_FAULT This field may be null when SETTLEMENTS_OFF_MARKET=Y.	DELIVERY
STATUS	STRING(20)	True	False	The status of the delivery confirmation. Valid values are: • SUBMITTED • CONFIRMED	SUBMITTED

"I" and "D" record specifications

Field Name	Data Type	Not Null	Primary Key	Description	Examples
LAST_UPDATED_BY_PARTICIPANT	STRING(20)	True	False	The participant code used in the ETS for the participant who last updated the delivered quantity record.	AG584
LAST_UPDATED	DATE	True	False	The date & time the delivered quantity was updated i.e. saved into database.	2013/04/15 14:16:25
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 14:17:25

3.4 Daily transaction summary report

Report details

Purpose	The report provides a summary of all trades executed in the current gas day per product. It provides information on the high/low open/close prices, total traded quantities and number of trades.
Access	Public
Report period	Daily
Trigger	Time triggered (daily at 5:30 PM AEST)
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Daily Transaction Summary
Output filename	PUBLIC_DAILYTRANSACTIONSUMMARY_yyyymmdd_[EVENT_QUEUE_ID].csv

Report notes

- The report includes details for all the products available in the Gas Supply Hub even if there were no trades against this product on the reported gas date.

- The report is forward looking as it contains information about trades that have future delivery periods.

- The report is sorted in the following order:

  o Ascending order of the "PRODUCT_LOCATION", then within "PRODUCT_LOCATION",

  o Ascending order of the "PRODUCT_TYPE", then within each "PRODUCT_TYPE",

  o Ascending order of the "FROM_GAS_DATE".

"I" and "D" record specifications

Report type	GSH
Report subtype	TRANSACTION_SUMMARY

Field Name	Data Type	Not Null	Primary Key	Description	Examples
CURRENTDATE	DATE	True	True	The current gas date.	2013/04/15 00:00:00
PRODUCT_LOCATION	STRING(80)	True	True	Product location for the GSH market.	WAL, MAP, MSP, WAL Non-Netted, WAL Compression
PRODUCT_TYPE	STRING(80)	True	False	The product delivery period for the GSH market: • Gas - NG Prompt (Balance of day) • Gas - NG DA Days (Day ahead) • Gas - NG Days (Daily) • Gas - NG Weeks (Weekly) • Gas – NG Months (Monthly)	Gas - NG Weeks
FROM_GAS_DATE	DATE	True	False	The start gas day for the order delivery period. Disregard the time component as this is not applicable.	2013/04/22 00:00:00
TO_GAS_DATE	DATE	True	False	The end gas day for the order delivery period. Disregard the time component as this is not applicable.	2013/04/28 00:00:00
HIGH_PRICE	NUMBER	False	False	Highest price between all trades executed today per product in $/GJ.	3.5
LOW_PRICE	NUMBER	False	False	Lowest price between all trades executed today per product in $/GJ.	2.5
OPEN_PRICE	NUMBER	False	False	The first price of all trades executed today per product in $/GJ.	2.75
CLOSE_PRICE	NUMBER	False	False	The last price of all trades executed today per product in $/GJ.	2.96
VOLUME_WEIGHTED_AVERAGE_PRICE	NUMBER	False	False	The volume weighted average price for all trades executed today per product in $/GJ.	2.86
TOTAL_QUANTITY	NUMBER	False	False	Total traded quantities for all trades executed today per product in GJ/day.	25694
TOTAL_NUMBER_OF_TRADES	INTEGER	False	False	Total number of all executed trades today per product.	59
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 17:32:16

3.5 Historical gas day transaction report

Report details

Purpose	The report provides a summary of all trades delivered in the current gas day and the last thirty gas days per product location. It provides information on the volume weighted average price, and the total traded quantities.
Access	Public
Report period	Current gas day plus the last THIRTY gas days.
Trigger	Time triggered (daily at 5:30 PM AEST)
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Historical Transaction Summary.
Output filename	PUBLIC_HISTORICALTRANSACTIONSUMMARY_yyyymmdd_[EVENT_QUEUE_ID]

Report notes

- The report contains historical information about past gas delivery days.
- The report excludes trades at the 'WAL Non-Netted' location
- The report is sorted in the following order:
  o Ascending order of the "GAS_DATE", then within each "GAS_DATE",
  o Ascending order of the "PRODUCT_LOCATION".

"I" and "D" record specifications

Report type	GSH
Report subtype	HISTORICAL_SUMMARY

Field Name	Data Type	Not Null	Primary Key	Description	Examples
GAS_DATE	DATE	True	True	The gas date when the delivery of trades occurred. Disregard the time component as this is not applicable.	2013/04/22 00:00:00
PRODUCT_LOCATION	STRING(80)	True	True	Product location for the GSH market.	WAL, WAL Compression
VOLUME_WEIGHTED _AVERAGE_PRICE	NUMBER	False	False	The volume weighted average price for trades (not including manual trades) delivered in the specified gas day at the specified location in $/GJ. Specified to eight decimal places.	2.54346843
TOTAL_QUANTITY	NUMBER	False	False	Total traded quantities for the specified gas day at the specified location in GJ/day.	45897

Field Name	Data Type	Not Null	Primary Key	Description	Examples
ROLLING_WEIGHTED _AVERAGE_PRICE	NUMBER	False	False	The 30 day rolling (arithmetic) average of the daily volume weighted average price for trades (not including manual trades) delivered in the last 30 days at the specified location in $/GJ. Specified to eight decimal places.	3.57749272
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 17:32:16

3.6 Prudential exposure report

Report details

Purpose	The purpose of this report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run.
Access	Private
Report period	All gas days and settlement runs covered by the prudential run.
Trigger	After the first prudential run for the current gas day.
Gas Hub Direct Category	GSH Prudential Management.
Gas Hub Direct Type	Prudential Exposure
Output filename	[PARTICIPANTCODE]_PRUDENTIALEXPOSURE_yyyymmdd_[PRUDENTIAL_RUNN O]-[EVENT_QUEUE_ID]

Report notes

- The report is issued to organisations registered as Market Participants.
- The report contains sevensix report subtypes:
    o Estimated market exposure: provides summary information for the organisation's estimated market exposure.
    o Bank guarantees: provides a list of all bank guarantees used in the prudential run.
    o Security deposits: provides a list of all security deposits used in the prudential run. Note that only security deposits that are maturing on a day later than the prudential date time are included in this report.
    o Settlement amounts: provides a breakdown of all settlement amounts at the participant level for all settlement runs included in the prudential run.
    o Trade forward exposure: provides a summary of forward exposure amounts for the organisation by product location by gas day.
    o Auction forward exposure: provides a summary of auction bid forward exposure amounts for the organisation by gas day.
    o Reallocations: provides a breakdown of all reallocation amounts used in the prudential run at the participant level.

- Bank guarantees and security deposits listed in this report are only the ones included in the prudential run.

"I" and "D" record specifications – Estimated market exposure

Report type	GSH_PRUDENTIAL
Report subtype	ESTIMATED_MARKET_EXPOSURE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_CODE	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAME	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETIME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
TOTAL_BANK_GUARANTEES	NUMBER	False	False	The total amount of all valid bank guarantees included in the prudential run.	1358500
TRADING_LIMIT	NUMBER	False	False	The calculated trading limit for the organisation. The organisation's trading limit is calculated by multiplying the total valid bank guarantee amounts with trading limit parameter.	858500
SECURITY_DEPOSITS	NUMBER	False	False	Total amount of security deposits included in the prudential run.	350000
EARLY_PAYMENTS	NUMBER	False	False	The sum of all applicable early payment amounts for the organisation.	23489
OUTSTANDING_AMOUNT	NUMBER	False	False	The total outstanding amounts for the organisation. The organisation's outstanding amount equal to the settlement exposure amount, plus reallocation amounts for gas days less than prudential run date where the reallocation amounts were not included in settlement run, minus security deposits minus early payments.	1338000
REALLOC_ADJ_AMT_TO_OUTSTANDING	NUMBER	False	False	The total reallocations amounts used as adjustment to outstandings in the prudential run, this include all reallocations amounts not included in settlement runs and are associated with gas days covered by the prudential run where the reallocation gas day is less than the prudential run date.	65000
SETTLEMENT_EXPOSURE_AMOUNT	NUMBER	False	False	The sum of all commodity and capacity settlement amounts owing up to the current date for the organisation, including estimates of non-invoiced amounts.	135722

Field Name	Data Type	Not Null	Primary Key	Description	Examples
TRADES_FORWARD_EXPOSURE_AMOUNT	NUMBER	False	False	The sum of all commodity and capacity trades forward exposure amounts allocated to the organisation—inclusive of the trades forward exposure GST amount.	123900
DAA_SETTLEMENT_EXPOSURE_AMOUNT	NUMBER	False	False	The sum of all day ahead auction settlement amounts owing up to the current date for the organisation, including estimates of non-invoiced amounts.	135722
DAA_FORWARD_EXPOSURE_AMOUNT	NUMBER	False	False	The sum of all day ahead auction bids forward exposure amounts allocated to the organisation—inclusive of the day ahead auction bids forward exposure GST amount.	123900
FORWARD_REALLOCATIONS_AMOUNT	NUMBER	False	False	The aggregated value of all debit and credit authorised reallocations that apply to the prudential forward exposure period for reallocation.	-5000
FORWARD_EXPOSURE_AMOUNT	NUMBER	False	False	The sum of all forward transaction exposure amounts and all authorised reallocations amounts that apply to gas days in the prudential forward exposure period for reallocation for the organisation—inclusive of the trades forward exposure GST amount. The forward exposure is the organisation's total exposure amount attributable to all forward dates submitted/executed orders and auction bids, where the delivery dates are in the future, and all authorised reallocations amounts that apply to gas days in the prudential forward exposure period for reallocation.	50000
PRUDENTIAL_EXPOSURE	NUMBER	False	False	The organisation's prudential exposure is calculated by aggregating all associated participants' outstanding amounts, settlement exposure, the organisation's forward exposure and the forward exposure GST amount. This is inclusive of all activity related to commodity and capacity gas trading and day ahead auction.	103800000
PERCENTAGE_EXPOSURE	NUMBER	False	False	The percentage of prudential exposure as compared to the trading limit. The organisation's exposure percentage is calculated by dividing the organisation's prudential exposure amount by the trading limit. If the organisation's exposure percentage is less than 0, this value will be 0. If the organisation's trading limit equals to 0, this value will be 0.	120.91

Field Name	Data Type	Not Null	Primary Key	Description	Examples
TRADING_MARGIN	NUMBER	False	False	The trading margin of the organisation. The organisation's trading margin is calculated by subtracting the organisation prudential exposure amount from the trading limit.	-179500
BANK_GUARANTEE_ RATIO	NUMBER	False	False	The ratio between the organisation's total bank guarantees and the sum of the organisation's total bank guarantees and the organisation's total security deposits in this prudential run.	47
EXPOSURE_NOTIFIC ATION	STRING(80)	False	False	The field contains exposure notifications for organisation, it can have one of the following notifications or both depending on the conditions met as the following: Trading Limit Breach: if the organisation has gone over the trading limit (trading margin value < 0) Bank Guarantee Ratio Breach: If the bank guarantee ratio is deemed insufficient. If none of the above conditions are met then the field contains no value.	Trading Limit Breach, Bank Guarantee Ratio Breach
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/02 08:20:00

"I" and "D" record specifications – Bank guarantees

Report type	GSH_PRUDENTIAL
Report subtype	BANK_GUARANTEES

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_COD E	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAM E	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETI ME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
BANK_GUARANTEE_ NO	STRING(20)	True	True	The reference number for the bank guarantee included in the prudential run.	123456
EFFECTIVE_FROM_D ATE	DATE	True	False	The start date of the bank guarantee.	2013/03/26 00:00:00
EXPIRY_DATE	DATE	True	False	Expiry date for the bank guarantee.	2014/07/26 00:00:00
PRUDENTIAL_EXPIRY _DATE	DATE	True	False	The prudential expiry date of the guarantee.	2014/03/28 00:00:00

Field Name	Data Type	Not Null	Primary Key	Description	Examples
AMOUNT	NUMBER	True	False	The dollar amount of the guarantee applicable to the prudential run.	500000
BANK_GUARANTEE_ALERT	STRING(255)	False	False	The field shows the warning "Renew Bank Guarantee Warning" if the prudential expiry date of the bank guarantee is within the next 30 days (PRUDENTIAL_EXPIRY_DATE is less than or equal to PRUDENTIAL_DATETIME + 30 days), otherwise it has no value.	Renew Bank Guarantee Warning

Report notes – Bank guarantees

Bank guarantee records are sorted in the following order:

- Ascending order of the "EFFECTIVE_FROM_DATE", then within each "EFFECTIVE_FROM_DATE",

- Ascending order of the "EXPIRY_DATE".

"I" and "D" record specifications – Security deposits

Report type	GSH_PRUDENTIAL
Report subtype	SECURITY_DEPOSITS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_CODE	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAME	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETIME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
PARTICIPANT_CODE	STRING(20)	True	True	The participant code for the participant who lodged the security deposit.	ES584
SECURITY_DEPOSIT_ID	STRING(20)	True	True	The unique identifier for a security deposit included in the prudential run. Note: only security deposits that are maturing on a day later than the prudential date time are included in this report.	124
EFFECTIVE_FROM_DATE	DATE	True	False	The start date of the security deposit.	2013/04/02 00:00:00
MATURITY_DATE	DATE	True	False	The maturity date of the security deposit.	2013/05/02 00:00:00
TOTAL_SECURITY_DEPOSIT_AMOUNT	NUMBER	False	False	All cash being held and not yet paid back during settlement.	300000

Field Name	Data Type	Not Null	Primary Key	Description	Examples
NON_APPLIED_SEC_ DEPOSIT_AMT	NUMBER	False	False	All cash used to directly reduce outstandings (not in a settlement run).	5000
INTEREST_ACCT_ID	VARCHAR2(20)	False	False	The Interest Account ID for calculating the Interest Payment. This is NULL if the INTEREST_CALC_TYPE = FIXED	SDA
INTEREST_CALC_TYP E	VARCHAR2(20)	True	False	Fixed or daily	Daily

Report notes – Security deposits

Security deposits records are sorted in the following order:

- Ascending order of the "EFFECTIVE_FROM_DATE", then within each "EFFECTIVE_FROM_DATE",

- Ascending order of the "MATURITY_DATE".

"I" and "D" record specifications – Settlement amounts

Report type	GSH_PRUDENTIAL
Report subtype	SETTLEMENT_AMOUNTS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_COD E	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAM E	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETI ME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
PARTICIPANT_CODE	STRING(20)	True	True	The participant code used in the ETS for the participant with the outstanding amounts.	ES584
BILLING_PERIOD	STRING(20)	True	True	The billing period.	3013051400
SETTLEMENT_TYPE	STRING(20)	True	False	The run type of the settlement run (i.e. final, revision, etc.)	Revision
SETTLEMENT_VERSI ON_ID	INTEGER	True	False	The version number of the settlement run used in this billing period.	58
SETTLEMENT_EXPOS URE_AMOUNT	NUMBER	True	False	The outstanding amount for the participant as per the settlement run.	-20000
PUBLICATION_DATE	DATE	True	False	The publication date of the settlement.	2014/07/10 00:00:00
PAYMENT_DUE_DATE	DATE	True	False	The due date of the payment for the outstanding amount.	2014/07/25 00:00:00

Report notes – Settlement amounts

Settlement amounts records are sorted in the following order:

- Ascending order of the "PARTICIPANT_ID", then within each "PARTICIPANT_ID",
- Ascending order of the "BILLING_PERIOD".

"I" and "D" record specifications – Trade forward exposure

Report type	GSH_PRUDENTIAL
Report subtype	TRADE_FORWARD_EXPOSURE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_CODE	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAME	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETIME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
GAS_DATE	DATE	False	True	The gas day. Disregard the time component as this is not applicable.	2013/04/13 00:00:00
PRODUCT_LOCATION	STRING(80)	False	False	The product location for the GSH market.	WAL
TRADES_FORWARD_EXP_AMT_NET_GST	NUMBER	False	False	The sum of all trades forward exposure amounts allocated to the organisation on this gas day—exclusive of the trades forward exposure GST amount.	123900
TRADES_FORWARD_EXP_GST_AMT	NUMBER	False	False	The total amount of GST for the trades forward exposure.	12390
BUY_ORDER_QUANTITY	NUMBER	False	False	The total quantity for buy orders.	120000
BUY_TRADE_QUANTITY	NUMBER	False	False	The total quantity for buy trades.	20000
SELL_ORDER_QUANTITY	NUMBER	False	False	The total quantity for sell orders.	-2000
SELL_TRADE_QUANTITY	NUMBER	False	False	The total quantity for sell trades.	-23000
BUY_LOAD_WEIGHTED_AVG_PRICE	NUMBER	False	False	The weighted average price for all orders and trades where the participant is the buyer. Specified to eight decimal places. Refer to clause *5.2.2 Average Buy and Average Sell* in the GSH Settlements and Prudential Methodology.	5.64912456

Field Name	Data Type	Not Null	Primary Key	Description	Examples
SELL_LOAD_WEIGHTED_AVG_PRICE	NUMBER	False	False	The weighted average price for all trades where the participant is the seller. Specified to eight decimal places. Refer to clause *5.2.2 Average Buy and Average Sell* in the GSH Settlements and Prudential Methodology.	-6.63219004

Report notes – Trade forward exposure

Trade forward exposure records are sorted in ascending order of the "GAS_DATE"

Report type	GSH_PRUDENTIAL
Report subtype	AUCTION_FORWARD_EXPOSURE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_CODE	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAME	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETIME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
GAS_DATE	DATE	False	True	The gas day. Disregard the time component as this is not applicable.	2013/04/13 00:00:00
BIDS_FORWARD_EXP_AMT_NET_GST	NUMBER	False	False	The sum of all day ahead auction bids forward exposure amounts allocated to the organisation on this gas day—exclusive of the bids forward exposure GST amount.	123900
BIDS_FORWARD_EXP_GST_AMT	NUMBER	False	False	The total amount of GST for the day ahead auction bids forward exposure.	12390
BID_QUANTITY	NUMBER	False	False	The total quantity for auction bids.	120000

Report notes – Auction forward exposure

Auction forward exposure records are sorted in ascending order of the "GAS_DATE"

"I" and "D" record specifications – Reallocations

Report type	GSH_PRUDENTIAL
Report subtype	REALLOCATIONS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
ORGANISATION_CODE	STRING(20)	True	True	The unique code for the organisation.	AG256
ORGANISATION_NAME	STRING(80)	True	False	The name of the organisation.	AGL
PRUDENTIAL_RUN_ID	INTEGER	True	True	The run number of the prudential run.	89
PRUDENTIAL_DATETIME	DATE	True	True	The date and time of the prudential run.	2013/04/02 08:15:00
PARTICIPANT_CODE	STRING(20)	True	True	The participant code for the participant who lodged the security deposit.	ES584
REALLOCATION_ID	STRING(80)	True	True	The unique identifier for the reallocation.	20130401.RS001
REALLOCATION_ROLE	STRING(80)	True	False	The role of the participant in the reallocation.	Debit
COUNTERPARTY_PARTICIPANT_CODE	STRING(20)	True	False	The participant code for the counterparty of the reallocation.	OR02
START_DATE	DATE	True	False	The date the reallocation comes into effect.	2013/04/02 00:00:00
END_DATE	DATE	True	False	The date the reallocation ends.	2013/05/02 00:00:00
AGREEMENT_TYPE	STRING(80)	True	False	The agreement type of the reallocation.	Fixed Dollar Amount
REALLOC_ADJ_AMT_TO_OUTSTANDING	NUMBER	False	False	The total dollar amount of the reallocation used in this prudential run as an adjustment to outstandings.	-27000
FORWARD_REALLOCATION_AMOUNT	NUMBER	False	False	The total dollar amount of the reallocation used in this prudential run in calculating the forward exposure amount.	25000

Report notes – Reallocations

REALLOCATIONS records are sorted in the following order:

- Ascending order of the "START_DATE", then within each "START_DATE",
- Ascending order of the "END_DATE".

3.7 Settlement supporting data report

Report details

Purpose	This report is generated when final and revision settlement statements are issued; it is also generated after the first prudential run for the current gas day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation.
Access	Private (participant)
Report period	All gas days covered by the settlement run.
Trigger	This report has two triggers: 1. Event triggered on the issue of final and revision settlement statements. 2. Event triggered after the first prudential run for the current gas day.
Gas Hub Direct Category	GSH Settlements and Billing.
Gas Hub Direct Type	Settlements Supporting Data.
Output filename	[PARTICIPANTCODE]_GSHSETTLEMENTS_yyyymmdd_[SETTLEMENTS_ID]-[EVENT_QUEUE_ID]

Report notes

- This report contains thirteenten report subtypes:

    o Settlement run: provides header details of the settlement run. Note that initial settlement run covers the period from the first gas date of the billing period for which a final statement has not been issued until yesterday's gas date. Adjustment settlement run covers the period for which a final settlement has been run but a revision settlement has not been run.

    o Settlement summary: provides summary details of the settlement run.

    o Physical gas: provides a breakdown of total physical gas payments and charges included in the settlement run per gas day. Note that total payments and total charges are listed separately for each gas day.

    o CapacityServices: provides a breakdown of total capacityservice payments and charges included in the settlement run per gas day. Note that total payments and total charges are listed separately for each gas day.

    o Capacity auction: provides a breakdown of total capacity auction payments and charges included in the settlement run per gas day. Note that total payments and total charges are listed separately for each gas day.

    o Delivery variance: provides a breakdown of total delivery variance payments and charges included in the settlement run per gas day. Note that total payments and total charges are listed separately for each gas day.

    o Capacity variance: provides a breakdown of total capacity variance payments and charges included in the settlement run per gas day. Note that total payments and total charges are listed separately for each gas day.

    o Fee: provides a list of all market and transaction fees included in the prudential run against the gas dates.

- o Ad hoc: provides a list of all individual ad hoc payments and charges included in the settlement run.
- o Executed trades: provides a list of all individual executed trades records included in the settlement run.
- o Delivered quantity: provides a list of all individual delivered quantity records included in the settlement run.
- o Auction quantities: provides a list of all individual auction transactions included in the settlement run.
- o Reallocations: provides a list of all individual reallocations included in the settlement run per gas day.

- This report includes data from one settlement run only. If a prudential run includes more than one settlement run, multiple reports will generate (one report for each settlement run).

- Data of a posted final or revision settlement run that has been published in a report generated when a final or revision statement is issued will not be reissued in the later reports.

"I" and "D" record specifications – Settlement run

Report type	GSH_SETTLEMENT
Report subtype	SETTLEMENT_ RUN

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	False	False	The billing period for the settlement run.	2013041200
SETTLEMENT_RUN_TYPE	STRING(20)	True	False	The run type for the settlement, for example final, revision, initial, adjustment. If the final or revision settlement data has not been posted, this value will be 'FINAL_PENDING' or 'REVISION_PENDING' respectively.	Final
START_GAS_DATE	DATE	True	False	The first gas date of the period when settlement is run. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
END_GAS_DATE	DATE	True	False	The last gas date of the period when settlement is run. Disregard the time component as this is not applicable.	2013/08/04 00:00:00
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/07/04 09:30:58

"I" and "D" record specifications – Settlement summary

Report type	GSH_SETTLEMENT
Report subtype	SETTLEMENT_SUMMARY

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
PARTICIPANT_NAME	STRING(80)	True	False	The name of the participant.	AGL
NET_SETTLEMENT_AMOUNT	NUMBER	True	False	Sum of all payments and charges exclusive of GST.	45679000
NET_SETTLEMENT_AMOUNT_GST	NUMBER	True	False	Sum of all GST amounts on payments and charges.	6782
TOTAL_REALLOCATION_DEBIT_AMT	NUMBER	False	False	Sum of all reallocation debit amounts included in the settlement.	80000
TOTAL_REALLOCATION_CREDIT_AMT	NUMBER	False	False	Sum of all reallocation credit amounts included in the settlement.	-50000
TOTAL_SECURITY_DEPOSITS	NUMBER	False	False	The total of all security deposits included in the settlement run. This value is always a negative value for consistency with invoices (multiplied with -1).	-78982100
SECURITY_DEPOSIT_INTEREST	NUMBER	False	False	Total interest amounts calculated on security deposits. This value is always a negative value for consistency with invoices (multiplied with -1).	-7891
SETTLEMENT_ADJUSTMENT_AMOUNT	NUMBER	False	False	Adjustment amount of the settlement if applicable.	897100
REVISION_SETTLEMENT_RUN_ID	STRING(20)	False	True	Identifier of the revision included if the settlement run is of type "Final". '0' is displayed when no revision run exists.	34
INTEREST_ON_REVISION	NUMBER	False	False	Amount of interest calculated for revision statement if the run type is "Revision".	34.987
TOTAL_PAYABLE_AMOUNT	NUMBER	False	False	The net payable amount for this settlement run.	23456

"I" and "D" record specifications – Physical gas

Report type	GSH_SETTLEMENT
Report subtype	PHYSICAL_GAS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584

Field Name	Data Type	Not Null	Primary Key	Description	Examples
GAS_DATE	DATE	True	True	The gas date for the physical payment or charge. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TYPE	STRING(20)	True	False	Type of the physical gas amount whether it is a charge or a payment.	Charge
AMOUNT	NUMBER	True	False	Total amount of trading charge or payment for the gas date excluding GST.	3456.87
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the physical gas payment or charge for the gas date.	78.99

Report notes – Physical gas

Physical gas records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TYPE".

"I" and "D" record specifications – Capacity~~Services~~

Report type	GSH_SETTLEMENT
Report subtype	CAPACITY~~SERVICES~~

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the capacity~~service~~ payment or charge. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TYPE	STRING(20)	True	False	Type of the capacity~~service~~ amount whether it is a charge or a payment.	Charge
AMOUNT	NUMBER	True	False	Total amount of trading charge or payment for the gas date excluding GST.	3456.87
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the capacity~~services~~ payment or charge for the gas date.	78.99

Report notes – Capacity~~Services~~

Capacity~~Services~~ records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TYPE".

"I" and "D" record specifications – Capacity auction

Report type	GSH_SETTLEMENT
Report subtype	CAPACITY_AUCTION

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the capacity auction payment or charge. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TYPE	STRING(20)	True	False	Type of the capacity auction amount whether it is a charge or a payment.	Charge
AMOUNT	NUMBER	True	False	Total amount of trading charge or payment for the gas date excluding GST.	3456.87
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the capacity auction payment or charge for the gas date.	78.99

Report notes – Capacity auction

Capacity auction records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TYPE".

"I" and "D" record specifications – Delivery variance

Report type	GSH_SETTLEMENT
Report subtype	DELIVERY_VARIANCE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45

Field Name	Data Type	Not Null	Primary Key	Description	Examples
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the delivery variance payment or charge. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TYPE	STRING(20)	True	False	Type of the delivery variance amount whether it is a charge or a payment.	Payment
AMOUNT	NUMBER	True	False	Total amount of delivery variance charge or payment for the gas date excluding GST.	-3456.87
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the delivery variance payment or charge for the gas date.	-78.99

Report notes – Delivery variance

Delivery variance records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TYPE".

"I" and "D" record specifications – Capacity variance

Report type	GSH_SETTLEMENT
Report subtype	CAPACITY_VARIANCE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the capacity variance payment or charge. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TYPE	STRING(20)	True	False	Type of the capacity variance amount whether it is a charge or a payment.	Charge
AMOUNT	NUMBER	True	False	Total amount of trading charge or payment for the gas date excluding GST.	3456.87
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the capacity variance payment or charge for the gas date.	78.99

Report notes – Capacity variance

Capacity variance records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TYPE".

"I" and "D" record specifications – Fee

Report type	GSH_SETTLEMENT
Report subtype	FEE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the fee. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
FEE_TYPE	STRING(20)	True	False	The type of fee whether it is a market fee or a transaction fee.	Market
AMOUNT	NUMBER	True	False	The fee amount excluding GST.	78912.99
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the fee for the gas date.	98.99

Report notes – Fee

Fee records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "FEE_TYPE".

"I" and "D" record specifications – Ad hoc

Report type	GSH_SETTLEMENT
Report subtype	ADHOC

Field Name	Data Type	Not Null	Primar y Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_I D	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the ad hoc payment or charge. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TYPE	STRING(20)	True	False	Type of the ad hoc amount whether it is a charge or a payment.	Payment
AMOUNT	NUMBER	True	False	Total amount of ad hoc charge or payment for the gas date excluding GST.	-9876.88
GST_AMOUNT	NUMBER	True	False	Total amount of GST on the ad hoc payment or charge for the gas date.	-67.99
ADHOC_DESCRIPTIO N	STRING(255)	False	False	The description of the ad hoc payment.	

Report notes – Ad hoc

Ad hoc records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TYPE".

"I" and "D" record specifications – Executed trades

Report type	GSH_SETTLEMENT
Report subtype	EXECUTED_TRADES

Field Name	Data Type	Not Null	Primar y Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_I D	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date the trade was executed. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TRADE_ID	STRING(20)	True	True	The unique identifier for the executed trade included in the settlement run. This field can be cross referenced with the TRADE_ID field in the Trade Execution report.	44

Field Name	Data Type	Not Null	Primary Key	Description	Examples
TRADE_SIDE	STRING(20)	True	False	This field specified whether the participant was the buyer or the seller in the trade.	Buyer
TRADE_QUANTITY	NUMBER	True	False	The quantity of the executed trade.	78922
TRADE_PRICE	NUMBER	True	False	The price of the executed trade.	2.34

Report notes – Executed trades

Executed trades records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TRADE_ID".

"I" and "D" record specifications – Delivered quantity

Report type	GSH_SETTLEMENT
Report subtype	DELIVERED_QUANTITY

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	False	The gas date when the quantity is delivered. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
TRADE_ID	STRING(20)	True	True	The unique identifier of the delivery obligation record included in the settlement run.	23
TRADE_SIDE	STRING(20)	True	False	This field specified whether the participant was the buyer or the seller in the trade.	SELLER
TRADE_QUANTITY	NUMBER	True	False	The initial quantity of the associated delivery obligation record	4567
DELIVERED_QUANTITY	NUMBER	True	True	The delivered quantity in GJ.	345

Report notes – Delivered quantity

Delivered quantity records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",
- Ascending order of the "TRADE_ID".

Report type	GSH_SETTLEMENT
Report subtype	AUCTION_QUANTITIES

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	False	The gas date when the quantity is delivered. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
AUCTION_TRANSACTION_ID	INTEGER	True	True	The unique identifier of the auction transaction included in the settlement run.	23
AUCTION_QUANTITY	INTEGER	True	False	The initial capacity quantity won at auction.	345
REVISED_AUCTION_QUANTITY	INTEGER	True	False	The actual auction quantity in GJ. This is based on the revised quantity reported by facility operators on D+1.	250
PRODUCT_PRICE	NUMBER	True	False	The price of the auction product won at auction ($/GJ) by the participant.	3.50

Auction quantity records are sorted in the following order:
- Ascending order of SETTLEMENT_RUN_ID, then
- Ascending order of AUCTION_TRANSACTION_ID

"I" and "D" record specifications – Reallocations

Report type	GSH_SETTLEMENT
Report subtype	REALLOCATIONS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
SETTLEMENT_RUN_ID	INTEGER	True	True	The unique identifier for the settlement run.	45
BILLING_PERIOD	STRING(20)	True	False	The billing period for the settlement run.	2013041200
PARTICIPANT_CODE	STRING(20)	True	False	The participant code.	ES584
GAS_DATE	DATE	True	True	The gas date for the reallocation. Disregard the time component as this is not applicable.	2013/07/04 00:00:00
REALLOCATION_ID	STRING(80)	True	True	The unique identifier for the reallocation.	20130520.RS001

Field Name	Data Type	Not Null	Primary Key	Description	Examples
REALLOCATION_SIDE	STRING(20)	True	False	This field specifies whether the participant was the credit or the debit party of the reallocation agreement.	credit
AGREEMENT_TYPE	STRING(80)	True	False	The type of the reallocation agreement.	FIXED_ENERGY
REFERENCE_PRICE	NUMBER	False	False	The reference price used for Fixed Quantity Amount agreement type. Specified to eight decimal places.	2.03631369
AMOUNT	NUMBER	True	False	The daily dollar amount of the reallocation for the specified gas date.	-3456

Report notes – Reallocations

Reallocations records are sorted in the following order:

- Ascending order of the "GAS_DATE", then within each "GAS_DATE",

- Ascending order of the "REALLOCATION_ID".

3.8 Trading and delivery contact details report

Report details

Purpose	The purpose of this report is to provide all GSH participants with a list of all Trading and Delivery contacts details for all registered participants in the GSH market. This report is made available to all GSH participants.
Access	Private
Report period	Details for all Trading and Delivery contacts for all participants registered in the GSH market.
Trigger	Event triggered on creating or updating Trading or Delivery contact details for any registered participant in the GSH market, and time triggered monthly at the beginning of each month.
Gas Hub Direct Category	GSH Registration and Contacts.
Gas Hub Direct Type	Trading and Delivery Contact Details.
Output filename	[PARTICIPANTCODE]_TRADINGCONTACT_yyyymmdd_[EVENT_QUEUE_ID]

Report notes

- The report contains Trading and Delivery contact details for every participant in the GSH market.

- The report is not sent to deregistered participants.

- The report is sorted in the following order:

  o Ascending order of the "PARTICIPANT_ID", then within each "PARTICIPANT_ID",

  o Ascending order of the "ROLE", then within each "ROLE",

o Ascending order of the "LAST_NAME".

"I" and "D" record specifications

Report type	GSH
Report subtype	TRADING_CONTACTS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
PARTICIPANT_CODE	STRING(20)	True	False	The participant code used in the ETS.	ES584
PARTICIPANT_NAME	STRING(80)	True	False	The trading participant name.	AGL
CONTACT_ID	STRING(20)	True	True	The unique identifier for the contact.	21
ROLE	STRING(80)	True	False	Contact type, for this report there are only two types: Trading Contact Gas Delivery Contact	TRADING_CONTACT
FIRST_NAME	STRING(80)	True	False	First name of the contact.	Mark
LAST_NAME	STRING(80)	True	False	Last name of the contact.	Clark
SALUTATION	STRING(20)	False	False	Salutation of the contact.	Mr
JOB_TITLE	STRING(80)	False	False	Job title for the contact.	Trades Manager
ADDRESS_LINE_1	STRING(80)	False	False	The address of the contact.	50 Collins St
ADDRESS_LINE_2	STRING(80)	False	False	The address of the contact.	Melbourne
ADDRESS_LINE_3	STRING(80)	False	False	The address of the contact.	VIC
ADDRESS_LINE_4	STRING(80)	False	False	The address of the contact.	3001
BUSINESS_PHONE_NUMBER	STRING(80)	False	False	The business phone number for the contact.	03965874522
MOBILE_NUMBER	STRING(80)	False	False	Mobile number of the contact.	0456856974
FAX_NUMBER	STRING(80)	False	False	Fax number for the contact.	
EMAIL_ADDRESS	STRING(255)	True	False	Email address of the contact.	jsmith@abc.com.au
LASTCHANGED	DATE	True	False	The date and time the report is issued.	2014/07/25 16:45:52

3.9 Contact details report

Report details

Purpose	The purpose of this report is to provide the participant with a list of all their contact details.
Access	Private (participant)

Report period	Details for all the contacts of the participant registered in the GSH market.
Trigger	Event triggered on creating or updating contacts of the registered participant in the GSH market, and time triggered monthly at the beginning of each month.
Gas Hub Direct Category	GSH Registration and Contacts.
Gas Hub Direct Type	Contact Details
Output filename	[PARTICIPANTCODE]_CONTACTS_yyyymmdd_[EVENT_QUEUE_ID]

Report notes

- The report contains a list of all contacts related to the participant for which the report is generated.

- The report is not sent to deregistered participants.

- The report is sorted in the following order:

  o Ascending order of the "ROLE", then within each "ROLE",

  o Ascending order of the "LAST_NAME".

"I" and "D" record specifications

Report type	GSH
Report subtype	MARKET_CONTACTS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
PARTICIPANT_CODE	STRING(20)	True	False	The participant code used in the ETS.	ES584
PARTICIPANT_NAME	STRING(80)	True	False	The participant name.	AGL
CONTACT_ID	STRING(20)	True	True	The unique identifier for the contact.	21
ROLE	STRING(80)	True	False	Contact type, for example: Trading Contact Gas Delivery Contact System contact Regulatory contact Head office contact Primary settlements contact Secondary settlements contact Settlements manager contact CFO CEO First Escalation settlements Second escalation settlements Third escalation settlements	TRADING_CONTACT
FIRST_NAME	STRING(80)	True	False	First name of the contact.	Tracy
LAST_NAME	STRING(80)	True	False	Last name of the contact.	Marcus
SALUTATION	STRING(20)	False	False	Salutation of the contact.	Mrs

Field Name	Data Type	Not Null	Primary Key	Description	Examples
JOB_TITLE	STRING(80)	False	False	Job title for the contact.	Settlements Manager
ADDRESS_LINE_1	STRING(80)	False	False	The address of the contact.	50 Collins St
ADDRESS_LINE_2	STRING(80)	False	False	The address of the contact.	Melbourne
ADDRESS_LINE_3	STRING(80)	False	False	The address of the contact.	VIC
ADDRESS_LINE_4	STRING(80)	False	False	The address of the contact.	3001
BUSINESS_PHONE_NUMBER	STRING(80)	False	False	The business phone number for the contact.	0396587888 8
MOBILE_NUMBER	STRING(80)	False	False	Mobile number of the contact.	0457776974
FAX_NUMBER	STRING(80)	False	False	Fax number for the contact.	
EMAIL_ADDRESS	STRING(255)	True	False	Email address of the contact.	jmarcus@agl.com.au
LASTCHANGED	DATE	True	False	The date and time the report is issued.	2014/07/25 16:45:52

3.10 Registered participants report

Report details

Purpose	The report contains the registration details of all participants currently registered in the GSH market.
Access	Public
Report period	Registration details of all participants currently registered in the GSH market.
Trigger	Event triggered on creating or updating details of registered participant in the GSH market, and time triggered monthly at the beginning of each month.
Gas Hub Direct Category	GSH Registration and Contacts
Gas Hub Direct Type	Registered participants
Output filename	PUBLIC_REGISTEREDPARTICIPANTS_yyyymmdd_[EVENT_QUEUE_ID]

Report notes

The report is sorted in ascending order of the "PARTICIPANT_ID".

"I" and "D" record specifications

Report type	GSH
Report subtype	PARTICIPANTS

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET	STRING(20)	True	True	The market in which the company is a participant, for example Gas Supply Hub or Gas Capacity Auction. Companies that participate in both markets have a separate row displayed for each market.	Gas Supply Hub
PARTICIPANT_ID	STRING(20)	True	True	The unique identifier of the participant	74
PARTICIPANT_CODE	STRING(20)	True	False	The participant code used in the Exchange Trading System (ETS)	ES584
ORGANISATION_NAME	STRING(80)	True	False	Name of the organisation who has the ABN	AGL
ORGANISATION_CODE	STRING(20)	True	False	Unique code of the organisation	AG256
TRADING_NAME	STRING(80)	True	False	Trading name of the organisation	AGL Hydro Partnership
HEAD_OFFICE_ADDRESS_LINE_1	STRING(80)	False	False	The head office address of the organisation	50 Collins St
HEAD_OFFICE_ADDRESS_LINE_2	STRING(80)	False	False	The head office address of the organisation	Melbourne
HEAD_OFFICE_ADDRESS_LINE_3	STRING(80)	False	False	The head office address of the organisation	VIC
HEAD_OFFICE_ADDRESS_LINE_4	STRING(80)	False	False	The head office address of the organisation	3001
PHONE_NUMBER	STRING(80)	False	False	The phone number of the organisation	03 9658 7000
FAX_NUMBER	STRING(80)	False	False	The fax number for the organisation	03 9658 7589
ABN	STRING(20)	False	False	ABN of the organisation	456874258
ARBN	STRING(20)	False	False	ARBN of the organisation	125874569
ACN	STRING(20)	False	False	ACN of the organisation	569845214
CLASSIFICATIONS	STRING(255)	True	False	The classification of the company in the Gas Supply Hub or Gas Capacity Auction market, for example trading, view-only, facility operator, reallocator, auction participant etc. For companies with multiple classifications, the classifications are displayed as comma separated values.The classification of the company in the GSH market, for example trading, view-only, etc.	Trader,Reallocator. Facility Operator
AGENT_ID	STRING(20)	True	True	The unique participant identifier of the agent appointed to trade on the participant's behalf.	123
AGENT_NAME	STRING(80)	True	False	Name of the agent organisation	AGL Sales
LASTCHANGED	DATE	True	False	The date and time the report is generated	2014/07/251 6:45:52

3.11 Reallocation confirmation report

Report details

Purpose	The purpose of this report is to provide participants (credit and debit parties) a confirmation wherever an allocation is submitted, authorised, cancelled or expired.
Access	Private (participant)
Report period	One reallocation record per report
Trigger	Event triggered on submission, authorisation, cancellation or expiration of reallocation record.
Gas Hub Direct Category	GSH Prudential Management
Gas Hub Direct Type	Reallocations Confirmation
Output filename	[PARTICIPANTCODE]_REALLOCATIONCONFIRMATION_yyyymmdd_[EVENT_QUEUE_ID] _[REALLOCATION_ID]

Report notes

- The report is issued only to the Debit and Credit participants of the reallocation when event triggered on submission, confirmation, cancellation, or expiration of the reallocation record.

- The report contains two report subtypes:

  o Reallocations: it contains the main reallocation details.

  o Daily amount: contains the reallocation daily amount for each gas day in the reallocation period.

"I" and "D" record specifications - Reallocation

Report type	GSH_REALLOCATION
Report subtype	REALLOCATION

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
REALLOCATION_ID	STRING(80)	True	True	The unique identifier for the reallocation.	20130509.RS003
DEBIT_PARTICIPANT_CODE	STRING(20)	True	False	The participant code for the participant on the debit side of the reallocation.	AG584
DEBIT_PARTICIPANT_NAME	STRING(80)	True	False	The name for the participant on the debit side of the reallocation.	AGL
DEBIT_PARTICIPANT_REFERENCE	STRING(80)	False	False	The reference for the reallocation for the participant on the debit side of the reallocation.	Realloc May1
CREDIT_PARTICIPANT_CODE	STRING(20)	True	False	The participant code for the participant on the credit side of the reallocation.	ORI24

Field Name	Data Type	Not Null	Primary Key	Description	Examples
CREDIT_PARTICIPANT_NAME	STRING(80)	True	False	The name for the participant on the credit side of the reallocation.	ORIGIN
CREDIT_PARTICIPANT_REFERENCE	STRING(80)	False	False	The reference for the reallocation for the participant on the credit side of the reallocation.	Auth AB
START_DATE	DATE	True	False	The date the reallocation comes into effect. Disregard the time component as this is not applicable.	2013/04/22 00:00:00
END_DATE	DATE	True	False	The date the reallocation ends. Disregard the time component as this is not applicable.	2013/04/28 00:00:00
AGREEMENT_TYPE	STRING(80)	True	False	The type of the reallocation agreement.	FIXED_DOLLAR
PRODUCT_LOCATION	STRING(80)	False	False	The product location used to determine the reference price (only applicable to Fixed Quantity Amount reallocation agreement type).	RBP
REALLOCATION_STATUS	STRING(80)	True	False	The status of the agreement: submitted, authorised, cancelled, or expired.	CANCELLED
REASON	STRING(255)	False	False	The reason explaining why a reallocation is cancelled or expired (only applies to cancellation and expiration of report).	Cancelled by Debit Participant
LAST_UPDATED	DATE	True	False	The date & time the reallocation was last updated i.e. saved into database.	2013/04/15 14:16:25
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 14:17:25

"I" and "D" record specifications – Daily amount

Report type	GSH_REALLOCATION
Report subtype	DAILY_AMOUNT

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
REALLOCATION_ID	STRING(80)	True	True	The unique identifier for the reallocation.	20130509.RS003
GAS_DATE	DATE	True	True	The gas date in the reallocation period where the daily amount applies. Disregard the time component as this is not applicable.	2013/04/15 12:17:25
AMOUNT	NUMBER	True	False	The daily reallocation amount that can be dollar or quantity GJ amount.	500
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 14:17:25

Report notes – Daily amount

Daily amount records are sorted in ascending order of the GAS_DATE.

3.12 Delivery obligations report

Report details

Purpose	The purpose of this report is to provide participant with their Delivery Obligations at each location.
Access	Private (participant)
Report period	Dependent on the trigger: 1. At completion of the netting process or netting fallback process – the report will contain all delivery obligation records that were output by the netting run. 2. At the completion of a trade for a non-netted product – the report will contain the delivery obligation record specific to that trade. 3. At the close of market – the report will contain all future delivery obligation records where the TO_GAS_DATE is equal to or greater than the current date
Trigger	There are three triggers: 1. Event triggered on completion of a netting process or netting fallback process. 2. Event triggered on completion of a trade for a product type and location where netting does not apply. 3. Time triggered daily at the close of market (5:00 PM AEST).
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Delivery Obligations
Output filename	[PARTICIPANTCODE]_DELIVERYOBLIGATION_yyyymmdd_[EVENT_QUEUE_ID]

Report notes

- If a participant has a zero net position as a result of the netting process, their participant code appears as both the seller and the buyer.

- If the delivery obligation records are not available due to a system failure of the delivery-netting module, the netting fallback process creates delivery obligation records based on the original trades.

- This report is sorted in the following order:

  o Ascending order of "PRODUCT_LOCATION", then within each "PRODUCT_LOCATION",

  o Ascending order of "FROM_GAS_DATE".

"I" and "D" record specifications

Report type	GSH
Report subtype	DELIVERY_OBLIGATION

Field Name	Data Type	Not Null	Primary Key	Description	Examples
MARKET_ID	STRING(20)	True	False	Unique Market ID	GSH
BUYER_PARTICIPANT_CODE	STRING(20)	True	False	The unique identifier for the participant on buy side of the trade that has an obligation to receipt gas OR The unique code for the participant with net zero position.	5
BUYER_PARTICIPANT_NAME	STRING(80)	True	False	The name for the participant on buy side of the trade that has an obligation to receipt gas OR The name of the participant with net zero position.	AGL
SELLER_PARTICIPANT_CODE	STRING(20)	True	False	The unique identifier for the participant on seller side of the trade that has an obligation to deliver gas OR The unique code for the participant with net zero position.	7
SELLER_PARTICIPANT_NAME	STRING(80)	True	False	The name for the participant on seller side of the trade that has an obligation to deliver gas OR The name of the participant with net zero position.	ORIGIN
NETTING_TRANSACTION_ID	STRING(20)	True	True	The unique identifier of the delivery transaction.	931
FROM_GAS_DATE	DATE	True	False	The first gas date in the netting period. Disregard the time component as this is not applicable.	2013/04/13 00:00:00
TO_GAS_DATE	DATE	True	False	The last gas date of the netting period. Disregard the time component as this is not applicable.	2013/04/13 00:00:00
PRODUCT_LOCATION	STRING(80)	True	False	The product location, product grouping code for the GSH market	WAL
DELIVERY_QUANTITY	NUMBER	True	False	The quantity of the delivery transaction GJ/day OR Zero if the participant has a zero net position.	755
DELIVERY_POINT	STRING(20)	False	False	Delivery point/s and associated quantities for netted products are determined as part of the participant location netting process. OR NULL if the participant has a zero net position. For non-netted products, the delivery point is reported as per the original executed trade.	Run 1

Field Name	Data Type	Not Null	Primar y Key	Description	Examples
DELIVERY_TYPE_ALERT	STRING(20)	False	False	This field is empty if the transaction is an output of the delivery netting module. If the transaction is an original executed trade (for non-netted products or due to a system failure), this field shows "Non-netted Delivery".	Non-netted Delivery
ETS_TRADE_ID	STRING(20)	False	False	Exchange transaction ID associated with the delivery obligation for transactions in non-netted products. This field can be cross referenced with the TRADE_ID field in the Trade Execution report to identify the transaction price. This field is empty for trades involving netted products.	898
LASTCHANGED	DATE	True	False	The date & time the report was generated.	2013/04/15 14:17:25

3.13 Wallumbilla benchmark price report

Report details

Purpose	This report provides daily Wallumbilla benchmark prices for each Gas Supply Hub trading location at Wallumbilla (i.e. RBP, SWQP, and QGP) as well as for "Wallumbilla" which is a benchmark price across all trading locations.
Access	Public on the AEMO website, and accessible after subscription to all participants through File Share and Gas Hub Direct
Report period	The day ahead benchmark prices PLUS the last two years of the daily benchmark prices
Trigger	Time triggered (Report is generated and overwritten every 5 minutes starting from 8.30am until 5pm, then final report is generated at 5.30pm which will not be overwritten)
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Wallumbilla Benchmark Price
Output filename	**Output Filename (AEMO Website)** : PUBLIC_WALLUMBILLABENCHMARKPRICE_[REPORTDATE:yyyymmdd] **Output Filename (Participant File Share & Gas Hub Direct)** : PUBLIC_WALLUMBILLABENCHMARKPRICE_[REPORTDATE:yyyymmdd]_[EVENT_QUEUE_ID]

Report notes

- The report will be published and generated in the following locations:
  - AEMO Website: the report will be generated and overwritten every 5 minutes starting from 8.30am till 5pm with the non-firm day ahead price, at 5.30pm the final report will be generated with the firm day ahead price and will not be overwritten
  - File Share: Only the final report at 5.30pm will be published through File Share with the firm benchmark prices and will not be overwritten
  - Gas Hub Direct: Only the final report at 5.30pm will be published through Gas Hub Direct with the firm benchmark prices and will not be overwritten

- The report will always contain the benchmark prices for the day ahead plus the last two years of daily benchmark prices; the last two years of the benchmark prices will always be the firm prices; however the day ahead prices will be non-firm in the reports generated every 5 minutes between 8.30am and 5pm and firm in the report generated at 5.30pm.

- The report needs to be sorted as the following:
  - Descending order of the GAS_DATE, and within the same value by:
  - PRODUCT_LOCATION as the following:
    - First record should always be "WALLUMBILLA"
    - Ascending order of the rest of "PRODUCT_LOCATION" values, and within the same value by:
  - Ascending order of the "PRODUCT_TYPE".

"I" and "D" record specifications

Report type	GSH
Report subtype	EOD_BENCHMARK_PRICE

Field Name	Data Type	Not Null	Primary Key	Description	Examples
GAS_DATE	DATE	True	True	The gas date that the Wallumbilla benchmark price applies to	2015/04/22 00:00:00
PRODUCT_LOCATION	STRING(80)	True	True	The product location that the benchmark price applies to which can be one of the following: WALLUMBILLA	WAL
PRODUCT_TYPE	STRING(80)	True	True	The type of the product that the Wallumbilla benchmark price is calculated for (i.e. Gas - NG DA Days for the Day ahead product type)	Gas - NG DA Days
BENCHMARK_PRICE	NUMBER	True	False	The calculated Wallumbilla benchmark price for the specified product type for the specified gas date, rounded decimal places	2.54

Field Name	Data Type	Not Null	Primary Key	Description	Examples
IS_FIRM	CHAR	True	False	Flag to determine if the Wallumbilla benchmark price is firm or not, the day ahead benchmark price that is calculated every 5 minutes before the gas date closure is non-firm, the only firm benchmark price is the one calculated at the end of the GSH gas day at 5.30pm, just after the trading closure. The daily benchmark prices for the last two years are all firm prices.	N
LASTCHANGED	DATE	True	False	The date & time the report was generated	2015/04/21 14:20:25

3.14 Delivery Netting Preferences

Report details

Purpose	This report is available to participants as an audit trail of the entries in the Delivery Netting Preferences web pages. There are two parts to the report, the main preferences and another table for each delivery point added.
Access	Private (participant)
Report period	One delivery netting preference when event triggered
Trigger	Event triggered upon user new entry or update of delivery netting preferences
Gas Hub Direct Category	GSH Trading
Gas Hub Direct Type	Delivery Netting Preferences
Output filename	[PARTICIPANTCODE]_DELIVERYNETTINGPREFS_yyyymmdd_[EVENT_QUEUE_ID]

"I" and "D" record specifications - Preferences

Report type	GSH
Report subtype	DELIVERY_NETT_PREFS

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	The participant code	ES584
PRODUCT_LOCATION	STRING(80)	True	True	Product location for the GSH market	Wallumbilla

Field Name	Data Type	Not Null	Primary Key	Description	Examples
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 from	2016/07/24
END_DATE	DATE	True	False	Date preference takes effect until	2016/08/10
CHOSEN_POSITION	STRING(20)	False	False	Which type of position is used. Valid values are • NET • BUY/SELL	NET
USE_TRANSACTIONS	STRING(1)	False	False	Whether original delivery points specified in trades will be used. • Y • N	Y
USE_GROUPS	STRING(1)	False	False	Whether original delivery points specified in trades will be used. • Y • N	N
LAST_UPDATED	DATE	True	False	The date & time the preference was updated	2016/07/21 13:20:21
LAST_UPDATED_BY	STRING(20)	True	False	The user name who updated the preference	jsmith
LASTCHANGED	DATE	True	False	The date & time the report was generated	2016/07/21 13:20:24

"I" and "D" record specifications – Delivery Points

Report type	GSH
Report subtype	DELIVERY_NETT_POINTS

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	WAL
VERSION_DATETIME	DATE	True	True	Date and time preference entered	2016/07/21 13:20:21
POSITION_TYPE	STRING(20)	False	False	Which type of position is 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

Field Name	Data Type	Not Null	Primary Key	Description	Examples
LAST_UPDATED	DATE	True	False	The date & time the preference was updated	2016/07/21 13:20:21
LASTCHANGED	DATE	True	False	The date & time the report was generated	2016/07/21 13:20:24

4 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.

4.1 AEMO's website

You can find the following documents on AEMO's website:

- *Guide to AEMO CSV Data Format Standard*, http://www.aemo.com.au/-/media/Files/Electricity/NEM/IT-Systems-and-Change/2016/AEMO_CSV_Data_Format_Standard_v3_01.pdf (Home >Electricity > IT Systems

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