GSH Release Schedule and Technical Specification - March 2019 - Pipeline Capacity Trading

Version 4.01 Final May 2019

Pre-production: Monday 14 January 2019

Production: Friday 1 March 2019

Release series: GSH032019

Important Notice

PURPOSE & AUDIENCE

This document describes the technical changes required to participant's systems for the Pipeline Capacity Trading (Release). The Australian Energy Market Operator (AEMO) provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the National Gas or Electricity Rules (Rules), as at the date of publication.

HOW TO USE THIS DOCUMENT

- If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- The references listed throughout this document are primary resources and take precedence over this document.
- Unless otherwise stated, you can find resources mentioned in this guide on AEMO's website.
- Text in this format, indicates a reference to a document on AEMO's website.
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Glossary Terms are capitalised and have the meanings listed against them in the Glossary.
- Italicised terms are defined in the Rules. Any rules terms not in this format still have the same meaning.

AEMO REFERENCE NUMBERS

Included in each project heading is a Quality Centre Identifier (QCID) that provides useful tracking information. There may be none, one, or more QCIDs relevant to each project heading.

References to change notices are CN followed by the change notice number.

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DOCUMENT IDENTIFICATION

Prepared by: AEMO Technology

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VERSION HISTORY

4.01 See Changes in this version on page 1.

DOCUMENTS MADE OBSOLETE

The release of this document changes only the version of GSH Release Schedule and Technical Specification - March 2019 - Pipeline Capacity Trading.

SUPPORT HUB

AEMO's Support Hub   Phone: 1300 AEMO 00 (1300 236 600) and follow the prompts.

FEEDBACK

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

Contents

1. Introduction

1.1   Summary

This release schedule informs participants about the IT changes for the Capacity Trading Reform Package recommended by the Australian Energy Market Commission (AEMC) as part of its Eastern Australian Wholesale Gas Market and Pipelines Framework Review. At its August 2016 meeting, the Energy Council endorsed the reform package.

The reforms relate to transmission pipeline and compression services (jointly referred to as Transportation Services) outside the Victorian DTS. They include:

- A Capacity-Trading Platform (CTP).
- A Day-Ahead Auction (DAA).
- Standards for key contract terms in primary, secondary, and operational transportation agreements to make capacity products more fungible and to facilitate a greater level of secondary capacity trading.
- A reporting framework for secondary capacity trades, providing for:
  - The publication of the price and other related information on secondary trades
  - Other market transparency measures, including information relating to allocation agreements.

1.2   Changes in this version

Removed Pre-production Gas Supply Hub Data Model 2.1 Patch Scripts section. For details about the patch script see version 4.00 of this document.

DM Table	Change
GSH_PARTICIPANTS_LEGACY	Removed because this table does not exist. It is a change to the legacy file only. For details about legacy files see **Data Interchange Framework and Glossary**.

1.3   Scope

This release schedule and technical specification explain the IT changes for:

- The Capacity-Trading Platform (CTP). For details, see page 4.
- Capacity Auction Bidding. For details, see page 8.
- Gas Data Model package GAS_SUPPLY_HUB.

Figure 1 Project scope
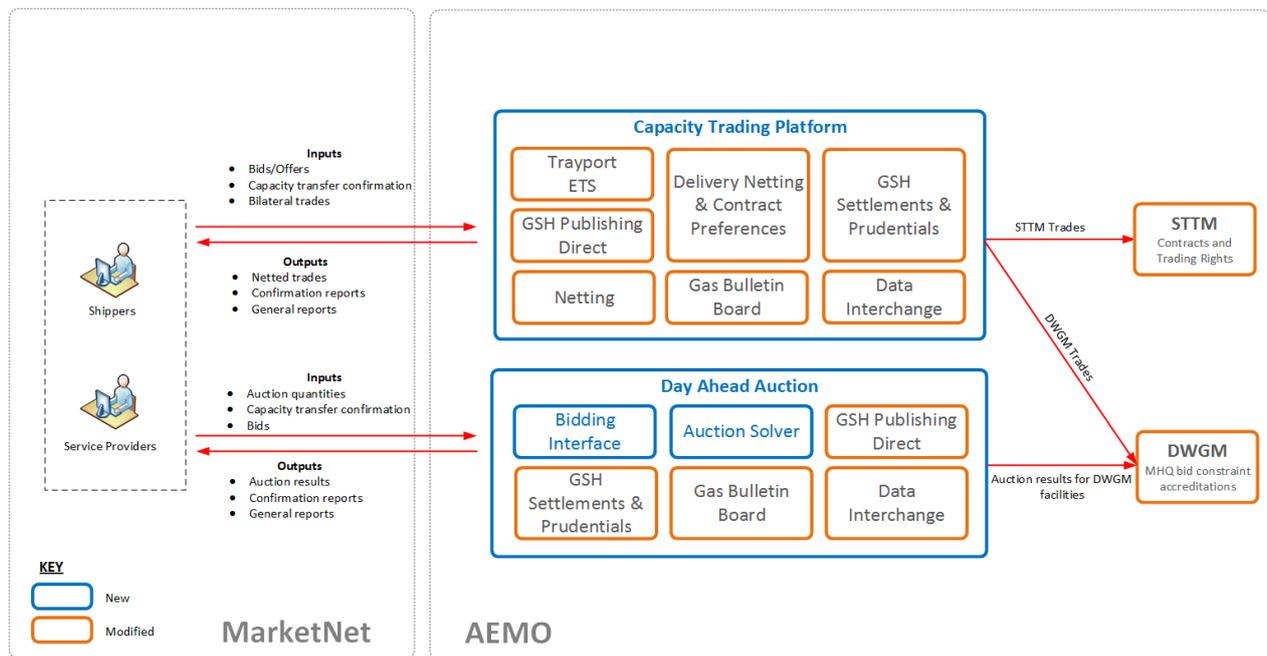
1.4   Schedule

Scheduled for implementation in:

- Pre-production: Monday 14 January 2019
- Production: Friday 1 March 2019

1.5   Proposed timeline

The dates for the User Group Meetings (MSUG) are tentative. We will provide an invitation one week prior to the meeting.

Milestone	Date	Description
Approval required	21 December 2018	Date AEMO sought approval of this Release.
Revised Release Schedule and Technical Specification	Approx. 15 February 2019	Further details of the changes to assist IT staff with their own technical implementation.
Pre-production refresh for Market Trial	14 January 2019	Refresh of the GSH pre-production system.
Pre-production Data Model scripts release	12 February 2019	Participant Data Model and PDR Loader configuration scripts released.

Milestone	Date	Description
Pre-production implementation for connectivity testing	12 November 2018 – 16 November 2018	AEMO implements limited components of the Release to pre-production for participant connectivity and interface testing. AEMO has full access to the system during this period. Participant access is not restricted; however, the data content or system availability is not guaranteed.
Pre-production systems available for connectivity testing	19 November 2018	Connectivity and interface testing period begins for participants.
Pre-production implementation for Market Trial	7 January 2019 – 18 January 2019	AEMO implements the full Release to pre-production for final system/integration testing. AEMO has full access to the system during this period. Participant access is not restricted; however, the data content or system availability is not guaranteed.
Pre-production systems available for Market Trial	21 January 2019 – 15 February 2019	Market Trial period begins for participants.
User group meeting: pre-production progress	24 January 2019	Market systems user group meeting to allow participants to discuss experiences and any issues identified through pre-production testing.
Production implementation	18 February 2019 – Friday 1 March 2019	AEMO implements the Release to production.
Production systems available	Friday 1 March 2019	Production systems available to participants
User group meeting: production progress	15 March 2019	Market systems user group meeting to discuss experiences and any issues identified in production.

1.6   Related resources

Concise Guide to Data Interchange: assists participants to understand AEMO's Data Interchange software. It describes how to set up a standard Data Interchange environment to replicate data between AEMO's energy market systems and participants' local DBMS conforming to the MMS Data Model. The standard environment is AEMO's recommended configuration.

Data Interchange Framework and Glossary: http://aemo.com.au/-/media/Files/Electricity/NEM/IT-Systems-and-Change/2018/Data-Interchange-Framework-and-Glossary.pdf.

Design of the Day-Ahead Auction of Contracted but Un-nominated Capacity - Final Recommendations: http://gmrg.coagenergycouncil.gov.au/news/design-day-ahead-auction-contracted-un-nominated-capacity-final-recommendations.

East Coast Wholesale Gas Market and Pipeline Frameworks Review: https://www.aemc.gov.au/markets-reviews-advice/east-coast-wholesale-gas-market-and-pipeline-frame.

Guide to Connecting to AEMO's Electricity IT Systems: Explains the IT interfaces available for electricity participants and how to access them.

Guide to Capacity Auction: Explains how auction participants submit bids and view bid history in the Capacity Trading Platform (CTP) Capacity Auction.

Guide to Contract References: Explains how to set up Contract References in the GSH Capacity Trading Platform.

Guide to GSH Publishing Direct: provides an understanding of the Gas Supply Hub (GSH) Publishing Direct web application in the EMMS Markets Portal.

Pipeline Capacity Trading: http://aemo.com.au/Gas/Pipeline-Capacity-Trading.

Standardisation, Capacity Trading Platform and Reporting Framework: http://gmrg.coagenergycouncil.gov.au/news/standardisation-capacity-trading-platform-and-reporting-framework-final-recommendations

1.7   Approval to change

AEMO requested approval to proceed from all participant change controllers. For approval dates, see Schedule on page 2.

2. Capacity Trading Platform

Shippers can use the Capacity Trading Platform (CTP) to trade secondary capacity ahead of the nomination cut-off time. It provides for exchange-based trading of commonly traded products and a listing service for other more bespoke products.

2.1   IT Platform

The existing Gas Supply Hub (GSH) will host the CTP. Selected information will also be published on the Gas Bulletin Board.

2.2   Prerequisites

Participants must sign the updated GSH Exchange Agreement, incorporating capacity trading before they can use the CTP.

2.3   Registration

Participants must register as one of the following participant categories.

	Trading Participant (CTP) new category	Trading Participant (unrestricted) existing category	Viewing Participant existing category
Trade all capacity and commodity products		✔	
Trade capacity products	✔		
View commodity products	✔		
View prices of all capacity and commodity products			✔
List spare capacity in the capacity listing service	✔	✔	
View spare capacity in the capacity listing service			✔

2.4   Manage contract references

Trading participants can use a new web application in the EMMS Markets Portal to:

- Select the relevant contract reference for a capacity product from a pre-defined list.
- Change the contract reference for a capacity product at any time prior to the trade netting process.

> **For more details, see the draft Guide to Contract References:**
> **http://aemo.com.au/Gas/Pipeline-Capacity-Trading.**

2.5   Trade capacity products

Trading participants can use the existing Trayport Global Vision front-end interface to:

- Submit Bids and Offers for capacity products. AEMO automatically matches bids and offers on capacity products to execute a trade. Auto matching operates as per existing commodity matching rules.
- Submit an off-market trade for all online traded capacity products as well as additional standardised capacity products not available for online trading. Either the buyer or seller submits an off-market trade in CTP that the counterparty must confirm.

2.6   Capacity Transfer Interface

A new API interface between AEMO and **service providers** is established to facilitate the exchange of capacity trade data. AEMO sends a list of netted capacity trades to **service providers** daily. Once the adjustments are complete, **service providers** must adjust the relevant contract capacities in their own systems and send a confirmation to AEMO.

For STTM and DWGM capacity products, AEMO transfers the traded capacities in the relevant market systems via a new automated process.

2.7   Submit Bilateral Trades

To enable AEMO to receive notification of Bilateral Capacity Trades for publishing in accordance with the reporting framework recommended by the GMRG, AEMO implements a new data submission transaction on the Gas Bulletin Board where sellers are required to submit details of the bilateral trade.

2.8   Settlement and billing process

To settle and bill **Trading Participants** for executed trades in the CTP, AEMO:

- Uses the existing GSH settlement system for settling capacity trades.

- Uses the Service Products line item on the existing GSH settlement statement for capacity product trades.
- Uses the existing GSH Reallocations system for capacity trading. **Trading Participants** can use dollar reallocations only. Energy reallocations are not available for capacity products.
- Includes the capacity product transaction data in the existing GSH Settlements Supporting Data report.

2.9   Prudential process

AEMO uses the existing GSH Prudential Monitoring system to monitor the prudential position of **Trading Participants**:

- If a **Trading Participant** breaches their trading limit, AEMO notifies participants via a Trading Limit Breach Notice.
- The existing GSH Prudential Dashboard reflects any new activity resulting from capacity product Bids, Offers, or Trades.
- AEMO includes details of new activity resulting from capacity product Bids, Offers, or Trades in the existing GSH Prudential Exposure report.

2.10   Reporting

AEMO uses the Gas Bulletin Board to publish the following information:

- Daily summary of capacity trade transactions.
- Historical summary of capacity trade transactions.
- Daily list of all executed trades (including online-traded, off-market and bilateral trades).
- Allocation agent information.

For details about reports and transactions, see:

- **Guide to Capacity Trading and Day Ahead Auction Reports**
- **Guide to Capacity Trading and Day Ahead Auction Transactions**

3. Day-Ahead Action

A Day-Ahead Auction (DAA) of contracted but unnominated capacity, conducted shortly after nomination cut-off and subject to a reserve price of zero (with compressor fuel provided by shippers).

3.1   IT Platform

The DAA platform consists of the following new systems.

- An auction bidding interface. This is a new web application available in the Markets Portal.
- An auction solver.

The DAA platform consists of the following existing systems:

- GSH Settlements and Billing system.
- GSH Prudential Monitoring system.
- Gas Bulletin Board.

3.2   Prerequisites

Trading participants must sign the DAA Agreement before they are eligible to participate in the DAA auction.

GSH and DAA membership and participation are independent of each other. A **Trading Participant** may elect to join one or both.

4. NEM Reports

Participants can retrieve NEM reports from the following locations:

1. **Data Interchange** (requires subscription in the EMMS Data Subscription web application). For help, see **Concise Guide to Data Interchange**.

2. **Participant File Server**: ftp://146.178.211.63 (requires subscription in the EMMS Data Subscription web application). For help, see **Guide to Connecting to AEMO's Electricity IT Systems**.

3. **GSH Publishing Direct** (requires subscription in the Markets Portal): For help, see **Guide to GSH Publishing Direct**.

4. **Gas Bulletin Board:** http://www.aemo.com.au/Gas/Gas-Bulletin-Board/Reports

5. Gas Data Model 2.1

> **Please read this section with the Data Interchange Glossary and Framework providing important information about DI baseline assumptions, terms, components, resources, and upgrading your Data Interchange (DI) environment.**

We will use the existing Participant File Server and Data Interchange to provide **Trading Participants** with capacity trading and auction related information and reports.

5.1   GAS_SUPPLY_HUB modified packages and tables

Table 1: GAS_SUPPLY_HUB modified packages and tables summary

Table name	Change	Details
GSH_AUCTION_BID	New Table	Audit trail of Capacity Auction Bids submitted
GSH_ AUCTION_BID_TRK	New table	For future use
GSH_AUCTION_BID_PRODUCT	New Table	Products selected in Capacity Auction Bid
GSH_AUCTION_BID_PROFILE	New Table	Audit trail of Capacity Auction Bids per Gas Day
GSH_AUCTION_BID_STEPSGSH_AUCTION_BID_STEP	New Table	Price/Quantity steps in Capacity Auction Bid
GSH_AUCTION_SUBMISSIONGSH_AUCTION_BID_SUBMISSION	New Table	Audit trail header for Capacity Auction Bid Submission
GSH_AUCTION_CURTAIL_NOTICE	New table	Indication of Auction service impacted by facility curtailment
GSH_AUCTION_PRICE_VOLUME	New Table	Price and Volume information for components involved in auction run
GSH_AUCTION_QUANTITIES	New Table	Quantity Limits for components included in Auction

Table name	Change	Details
GSH_AUCTION_RESULTS	New Table	Capacity Auction quantities won
GSH_AUCTION_RUN	New Table	Indication of Capacity Auction run completed
GSH_CAP_XFR_AUCTION_NOTICE	New Table	Notifies participants when market delay or cancellation process is triggered
GSH_CAPACITY_TRANSACTION	New Table	Consolidated list of all secondary capacity trades which includes: - GSH trades (screen traded and off-market trades) - Bilateral trades submitted into the GBB
GSH_CAPACITY_XFR_NOTICE	New Table	Capacity Transfer Notice (for Facility Operators)
GSH_CONTRACT_DETAILS	New Table	Provides participants with a list of all the facility operator service references and STTM contract references that are available to them for capacity trading
GSH_CONTRACT_REFERENCES	New Table	Audit trail of Capacity contract selections
GSH_DELIVERY_OBLIGATIONS	Modified Table	Provides participants with their Delivery Obligations at each location. Delivery Obligation quantities are results of the delivery netting process.
GSH_FACILITIES	New Table	All facilities for the capacity trading and day ahead auction
GSH_NOTIONAL_POINTS	New Table	Notional Point currently registered under Part 24 of the Rules
GSH_ORDERS	New Fields	Add Receipt Point, change Delivery Point description
GSH_PARK_SERVICES	New Table	Facility Park Services
GSH_PARTICIPANT_OPSTATE	New Table	The operating status of all GSH registered organisations over time
GSH_PARTICIPANTS	New Fields	Participants registered in GSH and Capacity Auction MARKET column (PK) added and populated

Table name	Change	Details
GSH_PIPELINE_SEGMENTS	New Table	All forward haul pipeline segments for the day ahead auction
GSH_PRD_AUCT_FWD_EXPOSURE	New Table	Part of Prudential Run detailing auction forward exposure
GSH_PRD_EST_MARKET_EXPOSURE	New Fields	Part of Prudential Run modified to include auction forward exposure summary
GSH_RCPT_DELIV_POINT_PREFS	New Table	Audit trail of Capacity Receipt and Delivery Point Preferences
GSH_REVISED_AUCT_QUANTITIES	New Table	Initial cleared quantity as determined by Auction Solver and any curtailment of this quantity
GSH_SERVICE_POINTS	New Table	Service Points (delivery, receipt, compression)
GSH_SHIPPER_CAP_XFR_NOTICE	New Table	Capacity Transfer Notice (for participants)
GSH_SUPP_AUCTION_QUANTITIES	New Table	Part of Settlement Supporting Data (Auction Quantities)
GSH_SUPP_CAPACITY_AUCTION	New Table	Part of Settlement Supporting Data (Auctions Won)
GSH_SUPP_CAPACITY_TRANSFERS	New table	Consolidated list of all secondary capacity trades which includes GSH trades (screen traded and off-market trades) and Bilateral trades submitted into the GBB
GSH_SUPP_CAPACITY_VARIANCE	New Table	Part of Settlement Supporting Data (Variance to original capacities)
GSH_TRADES	New Table	Add Receipt Point, change Delivery Point description
GSH_ZONE_CURTAILMENT	New Table	Details of curtailment of nominations against secondary firm rights (CTP trades) for service points
GSH_ZONES	New Table	All zones for the day ahead auction

Package: GAS_SUPPLY_HUB

Gas Supply Hub markets reports to provide Participants with information on their trades, prudential exposure, settlement runs, and registration details

5.1.1   Modified table: GSH_PARTICIPANTS

Depending on the markets participants are registered in (i.e. Gas Supply Hub and/or Gas Capacity Auction) the updated GSH_Participants table can contain two rows for the same participant. Participants are advised to update queries that use this table in database joins.

Comment	The report contains the registration details of all participants currently registered in the GSH market.
Visibility	PUBLIC
Trigger	Monthly and Trigger on update of participant details
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	MARKET_ID, PARTICIPANT_ID

Added columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	The market in which the company is a participant, for example GSH, DAA, ALL. The legacy file also changes to include and populate this MARKET_ID column (PK).

Field Name	Data type	Comment
AGENT_ID	VARCHAR2(20)	The unique participant identifier of the agent appointed to trade on the participant's behalf.
AGENT_NAME	VARCHAR2(80)	Name of the agent organisation

5.1.2   New table: GSH_PARTICIPANTS_OPSTATE

Comment	The report contains the registration details of all participants currently registered in the GSH market.
Visibility	PUBLIC
Trigger	Monthly and Trigger on update of participant details
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	MARKET_ID, PARTICIPANT_ID, EFFECTIVEDATE, VERSION_DATETIME

Columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	The market in which the company is a participant, for example GSH, DAA, ALL
PARTICIPANT ID	VARCHAR2(20)	Unique Participant ID for this market
EFFECTIVEDATE	DATE	The Effective date of the Participant Operating State
VERSION_DATETIME	DATE	Versioning with EffectiveDate

Field Name	Data type	Comment
STATUS	VARCHAR2(30)	Current State of the Product (ACTIVE/INACTIVE)
AUTHORISEDDATE	DATE	The date of the latest authorisation record
LASTCHANGED	DATE	Last changed date for the record

5.1.3   New table: GSH_CAP_XFR_AUCTION_NOTICE

Comment	Notifies participants when the market delay or cancellation process is triggered
Visibility	PUBLIC
Trigger	Event triggered by the market delay or cancellation process
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	NOTICE_ID

Columns

Field Name	Data type	Comment
NOTICE_ID	NUMBER(8,0)	The unique identifier of the notice.
GAS_DATE	DATE	The gas date of the notice. Disregard the time component as this is not applicable.
FACILITY_ID	NUMBER(8,0)	The unique identifier of the facility.
FACILITY_NAME	VARCHAR2 (100)	The descriptive name of the facility.

Field Name	Data type	Comment
MARKET	VARCHAR2(20)	The market that has triggered the notice, for example CTP or DAA.
NOTICE_TYPE	VARCHAR2 (50)	The type of notice, for example Cancel or Delay for CTP, Exclude or Delay for DAA.
NOTICE _DATE	DATE	The date of the notice
DESCRIPTION	VARCHAR2 (1000)	The description of the notice.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.4   New table: GSH_FACILITIES

Comment	Facilities currently registered, for capacity trading and day ahead auction.
Visibility	PUBLIC
Trigger	Event triggered on creating or updating details of a registered facility in the CTP and DAA markets and Time triggered monthly at the beginning of each month.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	FACILITY_ID, EFFECTIVEDATE, VERSION_DATETIME

Columns

Field Name	Data type	Comment
FACILITY_ID	NUMBER(8,0)	The unique identifier of the facility.
EFFECTIVEDATE	DATE	Effective date of the record

Field Name	Data type	Comment
VERSION_DATETIME	DATE	Version timestamp of the record
FACILITY_NAME	VARCHAR2(100)	The name of the facility.
FACILITY_DESCRIPTION	VARCHAR2(400)	The descriptive name of the facility.
FACILITY_TYPE	VARCHAR2(20)	The type of facility, for example pipe or compressor.
OPERATOR_ID	VARCHAR2(20)	The unique identifier of the Facility Operator that operates the facility.
OPERATOR_NAME	VARCHAR2(100)	The descriptive name of the participant.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.5   New table: GSH_ZONES

Comment	Zones currently registered under Part 24 of the Rules for the capacity trading and day ahead auction.
Visibility	PUBLIC
Trigger	Once per month, or on updating of Facility Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	ZONE_ID, EFFECTIVEDATE, VERSION_DATETIME

Columns

Field Name	Data type	Comment
ZONE_ID	NUMBER(8,0)	The unique identifier of the zone.

Field Name	Data type	Comment
EFFECTIVEDATE	DATE	Effective date of the record
VERSION_DATETIME	DATE	Version timestamp of the record
ZONE_NAME	VARCHAR2(100)	The descriptive name of the zone.
ZONE_TYPE	VARCHAR2(20)	The type of zone, for example pipeline receipt, pipeline delivery, compression receipt or compression delivery.
ZONE_DESCRIPTION	VARCHAR2(400)	The description of the zone.
FOR_AUCTION_PUBLICATION	VARCHAR2(3)	Flag to indicate if the product component can be published in the public auction reports, for example yes or no.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.6   New table: GSH_PIPELINE_SEGMENTS

Comment	Pipeline Segments currently registered under Part 24 of the Rules for the capacity trading and day ahead auction.
Visibility	PUBLIC
Trigger	Once per month, or on updating of Facility Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	FACILITY_ID, EFFECTIVEDATE, VERSION_DATETIME, SEGMENT_ID, CONNECTION_TYPE, FROM_ID, TO_ID

Columns

Field Name	Data type	Comment
FACILITY_ID	NUMBER(8,0)	The unique identifier of the parent facility.
EFFECTIVEDATE	DATE	The effective date of the segment.
VERSION_DATETIME	DATE	The version timestamp of the record
SEGMENT_ID	NUMBER(8,0)	The unique identifier of the pipeline segment or compression service.
CONNECTION_TYPE	VARCHAR2(20)	Type of connection e.g. SERVICE_POINT, ZONE
FROM_ID	NUMBER(8,0)	The unique identifier of the zone for forward haul pipeline segments and compression services or the service point for backhaul pipeline segments.
TO_ID	NUMBER(8,0)	The unique identifier of the zone for forward haul pipeline segments and compression services or the service point for backhaul pipeline segments.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the parent facility.
SEGMENT_NAME	VARCHAR2(100)	The descriptive name of the pipeline segment or compression service.
SEGMENT_TYPE	VARCHAR2 (20)	The segment type, for example Forward Haul, Backhaul or Compression Service
FROM_NAME	VARCHAR2(100)	The descriptive name of the zone or service point.
TO_NAME	VARCHAR2 (100)	The descriptive name of the zone or service point.

Field Name	Data type	Comment
FOR_AUCTION_PUBLICATION	VARCHAR2(3)	Flag to indicate if the product component can be published in the public auction reports, for example yes or no.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.7 New table: GSH_SERVICE_POINTS

Comment	Service Points currently registered under Part 24 of the Rules for the capacity trading and day ahead auction.
Visibility	PUBLIC
Trigger	Once per month, or on updating of Facility Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	FACILITY_ID, EFFECTIVEDATE, VERSION_DATETIME, SERVICE_POINT_ID, SERVICE_POINT_TYPE, AUCTION_PRODUCT_TYPE

Columns

Field Name	Data type	Comment
FACILITY_ID	NUMBER(8,0)	The unique identifier of the parent facility.
EFFECTIVEDATE	DATE	The effective date of the service point.
VERSION_DATETIME	DATE	The version timestamp of the record
SERVICE_POINT_ID	NUMBER(8,0)	The unique identifier of the service point.
SERVICE_POINT_TYPE	VARCHAR2(100)	The type of service point, for example forward haul receipt point, forward haul delivery point, backhaul receipt point, backhaul delivery point, compression receipt point or compression delivery point.

Field Name	Data type	Comment
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the parent facility.
SERVICE_POINT_NAME	VARCHAR2(100)	The descriptive name of the service point.
SERVICE_POINT_DESCRIPTION	VARCHAR2(255)	The description of the service point.
AUCTION_PRODUCT_TYPE	VARCHAR2(20)	The type of service point, for example forward haul receipt point, forward haul delivery point, backhaul receipt point, backhaul delivery point, compression receipt point or compression delivery point.
NOTIONAL_POINT	VARCHAR2(3)	Flag to indicate if the service point is a notional point, for example Yes or No.
ZONE_ID	NUMBER(8,0)	The unique identifier of the zone in which the service point is located.
ZONE_NAME	VARCHAR2(100)	The descriptive name of the zone.
GBB_CONNECTION_POINT_ID	NUMBER(8,0)	The corresponding GBB connection point identifier.
GBB_CONNECTION_POINT_NAME	VARCHAR2(100)	The descriptive name of the corresponding GBB connection point.
FOR_AUCTION_PUBLICATION	VARCHAR2(3)	Flag to indicate if the product component can be published in the public auction reports, for example yes or no.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.8   New table: GSH_NOTIONAL_POINTS

Comment	Notional Point currently registered under Part 24 of the Rules
Visibility	PUBLIC

Trigger	Once per month, or on updating of Facility Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	FACILITY_ID, EFFECTIVEDATE, VERSION_DATETIME, SERVICE_POINT_ID, PHYSICAL_POINT_NAME

Columns

Field Name	Data type	Comment
FACILITY_ID	NUMBER(8,0)	Unique Facility ID for this market.
EFFECTIVEDATE	DATE	The effective date of the notional point.
VERSION_DATETIME	DATE	The version timestamp of the record
SERVICE_POINT_ID	NUMBER(8,0)	The unique identifier of the service point.
PHYSICAL_POINT_NAME	VARCHAR2(100)	The descriptive name of the physical point associated with the notional point.
SERVICE_POINT_NAME	VARCHAR2(100)	The descriptive name of the service point.
GBB_CONNECTION_POINT_ID	NUMBER(8,0)	The corresponding GBB connection point identifier.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.9   New table: GSH_PARK_SERVICES

Comment	Park Services currently registered under Part 24 of the Rules
Visibility	PUBLIC
Trigger	Once per month, or on updating of Facility Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	FACILITY_ID, EFFECTIVEDATE, VERSION_DATETIME, PARK_PRODUCT_NAME

Columns

Field Name	Data type	Comment
FACILITY_ID	NUMBER(8,0)	Unique Facility ID for this market.
PARK_PRODUCT_NAME	VARCHAR2(100)	The descriptive name of the park product.
EFFECTIVEDATE	DATE	The effective date of the park service.
VERSION_DATETIME	DATE	The version timestamp of the record
PARK_SERVICE_POINT_ID	NUMBER(8,0)	The unique identifier of the service point at which transportation capacity is required to use this park service.
PARK_SERVICE_POINT_NAME	VARCHAR2 (100)	The descriptive name of the park service point.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.10 New table: GSH_AUCTION_QUANTITIES

Comment	Auction limit quantities for each product component available for the day ahead auction

Visibility	PUBLIC
Trigger	Time triggered daily at 5:30 PM AEST non-harmonised time and 4:30 PM AEST harmonised time Note: This time may be extended by up to two hours when the auction delay process is initiated by AEMO. Please refer to the Procedures for full description of the delay process.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	AUCTION_DATE, GAS_DATE, FACILITY_ID, LIMIT_ID, LIMIT_TYPE

Columns

Field Name	Data type	Comment
AUCTION_DATE	DATE	The date of the auction. Disregard the time component as this is not applicable.
GAS_DATE	DATE	The gas date that the auction quantities and transitional rights are valid for. Disregard the time component as this is not applicable.
FACILITY_ID	NUMBER(8,0)	The unique identifier of the facility.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility.
LIMIT_ID	NUMBER(8,0)	The unique identifier of the auction limit.
LIMIT_TYPE	VARCHAR2(100)	The type of auction limit
LIMIT_NAME	VARCHAR2(100)	The descriptive name of the auction limit.
LIMIT_QUANTITY	NUMBER(10,0)	The available auction quantity of the limit in GJ.

Field Name	Data type	Comment
TRANSITIONAL_RIGHTS_QUANTITY	NUMBER(10,0)	The quantity of nominations against grandfathered rights in GJ, for the previous gas day.
OPERATIONAL_OVERRIDE	VARCHAR2(3)	Flag to indicate whether the facility operator has applied an operational override to the limit quantity, for example Yes or No.
VERSION_DATETIME	DATE	Versioning with EffectiveDate
LASTCHANGED	DATE	The date & time the report was generated.

5.1.11 New table: GSH_AUCTION_PRICE_VOLUME

Comment	The cleared quantity, cleared price and price sensitivity for each auction product component following each auction run
Visibility	PUBLIC
Trigger	Completion of Auction Run
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	AUCTION_DATE, GAS_DATE, FACILITY_ID, LIMIT_ID

Columns

Field Name	Data type	Comment
AUCTION_DATE	DATE	The date of the auction run. Disregard the time component as this is not applicable.
GAS_DATE	DATE	The gas date that the auction quantities and prices are valid for. Disregard the time component as this is not applicable.
FACILITY_ID	NUMBER(8,0)	The unique identifier of the facility.

Field Name	Data type	Comment
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility.
LIMIT_ID	NUMBER(8,0)	The unique identifier of the auction limit.
LIMIT_NAME	VARCHAR2(100)	The descriptive name of the auction limit.
LIMIT_TYPE	VARCHAR2(100)	The type of auction limit
CLEARED_QUANTITY	NUMBER(12,4)	The capacity quantity cleared at auction (GJ/day).
CLEARED_PRICE	NUMBER(12,4)	The cleared auction price ($/GJ).
HIGH_PRICE_SENSITIVITY	NUMBER(12,4)	The high price sensitivity factor applied to the price.
LOW_PRICE_SENSITIVITY	NUMBER(12,4)	The low price sensitivity factor applied to the price.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.12 New table: GSH_REVISED_AUCT_QUANTITIES

Comment	The report lists the following items for each facility and service type: - initial cleared quantity as determined by the Auction Solver; - where there has been a curtailment of the initial cleared quantity, the revised auction quantity which must be the aggregate minimum quantity made available to auction participants on the gas day; - final aggregated scheduled nominations.
Visibility	PUBLIC
Trigger	Time triggered at 2:00 PM (AEST) on gas day D+1.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports

Primary key (in order)	AUCTION_DATE, GAS_DATE, FACILITY_ID, SERVICE_TYPE

Columns

Field Name	Data type	Comment
AUCTION_DATE	DATE	The date of the auction run. Disregard the time component as this is not applicable.
GAS_DATE	DATE	The effective gas date of the capacity won at auction Disregard the time component as this is not applicable.
FACILITY_ID	NUMBER(8,0)	The unique identifier of the facility.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility.
SERVICE_TYPE	VARCHAR2(20)	The type of service, for example Forward Haul, Backhaul or Compression.
AGG_CLEARED_QUANTITY	NUMBER(10,0)	The aggregated initial cleared capacity quantity as determined by the auction (GJ/day).
AGG_REVISED_QUANTITY	NUMBER(10,0)	The aggregated revised auction capacity quantity (GJ/day).
LASTCHANGED	DATE	The date & time the report was generated.

5.1.13 New table: GSH_ZONE_CURTAILMENT

Comment	Contains details of curtailment of nominations against secondary firm rights (CTP trades) for service points (receipt and delivery points).
Visibility	PUBLIC
Trigger	Event triggered when facility operators submit zone curtailment information to AEMO.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports

Primary key (in order)	FACILITY_ID, SERVICE_POINT_ID, GAS_DATE

Columns

Field Name	Data type	Comment
FACILITY_ID	NUMBER(8,0)	The unique identifier of the parent facility.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the parent facility.
SERVICE_POINT_ID	NUMBER(8,0)	The unique identifier of the service point.
SERVICE_POINT_NAME	VARCHAR2(100)	The descriptive name of the service point.
SERVICE_POINT_TYPE	VARCHAR2(100)	The type of service point, for example forward haul receipt point, forward haul delivery point, backhaul receipt point, backhaul delivery point, compression receipt point or compression delivery point.
SERVICE_POINT_DESCRIPTION	VARCHAR2(255)	The description of the service point.
GAS_DATE	DATE	The effective gas date of the rejected nomination quantity.
CURTAILED_QUANTITY	NUMBER(10,0)	The curtailed quantity of nominations by the facility operator for transportation capacity that has been transferred pursuant to an operational transfer (GJ)
LASTCHANGED	DATE	The date & time the report was generated.

5.1.14 Modified table: GSH_TRADES

Comment	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 will also provide Participants with a list of all their future trades when triggered daily after the end of the trades for the current day.

Visibility	PRIVATE
Trigger	On Trade Execution, at end of trading day
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	MARKET_ID, TRADE_ID

New and Modified Columns

Field Name	Data type	Comment
DELIVERY_POINT	VARCHAR2(40)	Delivery Point specified by the seller in an order submission for non-netted commodity products, or the buyer or seller in an order submission for capacity products
RECEIPT_POINT	VARCHAR2(40)	Receipt Point specified by the buyer or seller in an order submission for capacity products
VALID_SERVICE_REFERENCE	VARCHAR2(3)	Flag to indicate whether a valid service reference exists for the traded capacity product. Will be NULL for trades involving commodity products.
VALID_STTM_CONTRACT_REFERENCE	VARCHAR2 (3)	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.
VALID_DWGM_REFERENCE	VARCHAR2 (3)	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.
TRADE_STATUS	VARCHAR2 (20)	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.

5.1.15 Modified table: GSH_ORDERS

Comment	The purpose of this report is to provide the Participant a confirmation whenever an order (bid or offer) is submitted, amended, or cancelled.
Visibility	PRIVATE
Trigger	When an order is added, changed, or cancelled.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	MARKET_ID, ORDER_ID

Columns

Field Name	Data type	Comment
DELIVERY_POINT	VARCHAR2(40)	Delivery Point specified by the seller in an order submission for non-netted commodity products, or the buyer or seller in an order submission for capacity products
RECEIPT_POINT	VARCHAR2(40)	Receipt Point specified by the buyer or seller in an order submission for capacity products
VALID_SERVICE_REFERENCE	VARCHAR2 (3)	Flag to indicate whether a valid service reference exists for the capacity product. Will be NULL for orders involving commodity products.
VALID_STTM_CONTRACT_REFERENCE	VARCHAR2 (3)	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.
VALID_DWGM_REFERENCE	VARCHAR2 (3)	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.

5.1.16 New table: GSH_SUPP_AUCTION_QUANTITIES

Comment	Details of Auction Quantities won used in Settlements
Visibility	PRIVATE
Trigger	Included in file of Settlement Supporting Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	SETTLEMENT_RUN_ID, PARTICIPANT_CODE, AUCTION_TRANSACTION_ID

Columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID
SETTLEMENT_RUN_ID	NUMBER(18,0)	The unique identifier for the settlement run.
BILLING_PERIOD	VARCHAR2(20)	The billing period for the settlement run.
PARTICIPANT_CODE	VARCHAR2(20)	The participant code.
GAS_DATE	DATE	The gas date when the quantity is delivered. Disregard the time component as this is not applicable.
AUCTION_TRANSACTION_ID	NUMBER(12,0)	The unique identifier of the auction transaction included in the settlement run.
AUCTION_QUANTITY	NUMBER(10,0)	The initial capacity quantity won at auction.
REVISED_AUCTION_QUANTITY	NUMBER(10,0)	The actual auction quantity in GJ. This is based on the revised quantity reported by facility operators on D+1.
PRODUCT_PRICE	NUMBER(18,8)	The price of the auction product won at auction ($/GJ) by the participant.

5.1.17 New table: GSH_SUPP_CAPACITY_AUCTION

Comment	Includes Auction items won that are included in the settlement run
Visibility	PRIVATE
Trigger	Included in file of Settlement Supporting Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	SETTLEMENT_RUN_ID, GAS_DATE, PARTICIPANT_CODE, TYPE

Columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID
SETTLEMENT_RUN_ID	NUMBER(18,0)	The unique identifier for the settlement run.
BILLING_PERIOD	VARCHAR2(20)	The billing period for the settlement run.
PARTICIPANT_CODE	VARCHAR2(20)	The participant code.
GAS_DATE	DATE	The gas date for the capacity auction payment or charge. Disregard the time component as this is not applicable.
TYPE	VARCHAR2(20)	Type of the capacity auction amount whether it is a charge or a payment.
AMOUNT	NUMBER(18,8)	Total amount of trading charge or payment for the gas date excluding GST.
GST_AMOUNT	NUMBER(18,8)	Total amount of GST on the capacity auction payment or charge for the gas date.

5.1.18 New table: GSH_SUPP_CAPACITY_VARIANCE

Comment	The Delivery Variance subreport 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
Visibility	PRIVATE
Trigger	Included in file of Settlement Supporting Data
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	SETTLEMENT_RUN_ID, GAS_DATE, PARTICIPANT_CODE, TYPE

Columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID
SETTLEMENT_RUN_ID	NUMBER(18,0)	The unique identifier for the settlement run.
BILLING_PERIOD	VARCHAR2(20)	The billing period for the settlement run.
PARTICIPANT_CODE	VARCHAR2(20)	The participant code.
GAS_DATE	DATE	The gas date for the capacity variance payment or charge. Disregard the time component as this is not applicable.
TYPE	VARCHAR2(20)	Type of the capacity variance amount whether it is a charge or a payment.
AMOUNT	NUMBER(18,8)	Total amount of trading charge or payment for the gas date excluding GST.
GST_AMOUNT	NUMBER(18,8)	Total amount of GST on the capacity variance payment or charge for the gas date.

5.1.19 New table: GSH_SUPP_CAPACITY_TRANSFERS

Comment	Consolidated list of all secondary capacity trades which includes GSH trades (screen traded and off-market trades) and Bilateral trades submitted into the GBB
Visibility	Public
Trigger	Daily at 7:30 PM (AEST).
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	SETTLEMENT_RUN_ID, CAPACITY_TRANSFER_ID

Columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID
SETTLEMENT_RUN_ID	NUMBER(18,0)	The unique identifier for the settlement run.
BILLING_PERIOD	VARCHAR2(20)	The billing period for the settlement run.
PARTICIPANT_CODE	VARCHAR2(20)	The participant code.
GAS_DATE	DATE	The gas date for the capacity variance payment or charge. Disregard the time component as this is not applicable.
CAPACITY_TRANSFER_ID	VARCHAR2(20)	The unique identifier of the capacity transfer record included in the settlement run.
TRADE_SIDE	VARCHAR2(20)	This field specified whether the participant was the buyer or the seller in the trade.
CAPACITY_QUANTITY	NUMBER(18,8)	The initial capacity quantity transfer in GJ

Field Name	Data type	Comment
CONFIRMED_CAPACITY_QUANTITY	NUMBER(18,8)	The confirmed capacity quantity in GJ.
INVALID_QUANTITY	NUMBER(18,8)	Invalid quantity to indicate the amount of a short sell or amount that a buyer could not accept due to incorrect contract.

5.1.20 Modified table: GSH_PRD_EST_MARKET_EXPOSURE

Comment	The purpose of the Prudential Exposure 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. The Estimated Market Exposure subreport provides summary information for the Organisation's estimated market exposure.
Visibility	PRIVATE
Trigger	Included in Prudential Run file
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	ORGANISATION_CODE, PRUDENTIAL_RUN_ID, PRUDENTIAL_DATETIME

New and Modified Columns

Field Name	Data type	Comment
SETTLEMENT_EXPOSURE_AMOUNT	NUMBER(18,8)	The sum of all commodity and capacity settlement amounts owing up to the current date for the organisation, including estimates of non-invoiced amounts.

Field Name	Data type	Comment
TRADES_FORWARD_EXPOSURE_AMOUNT	NUMBER(18,8)	The sum of all commodity and capacity trades forward exposure amounts allocated to the organisation—inclusive of the trades forward exposure GST amount.
DAA_SETTLEMENT_EXPOSURE_AMOUNT	NUMBER(18,8)	The sum of all day ahead auction settlement amounts owing up to the current date for the organisation, including estimates of non-invoiced amounts.
DAA_FORWARD_EXPOSURE_AMOUNT	NUMBER(18,8)	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.

5.1.21 New table: GSH_PRD_AUCT_FWD_EXPOSURE

Comment	The purpose of the Prudential Exposure 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. The Auction Forward Exposure subreport provides a summary of auction forward exposure amounts for the organisation by gas day.
Visibility	PRIVATE
Trigger	Included in Prudential Run file
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	ORGANISATION_CODE, PRUDENTIAL_RUN_ID, PRUDENTIAL_DATETIME, GAS_DATE

Columns

Field Name	Data type	Comment
MARKET_ID	VARCHAR2(20)	Unique Market ID

Field Name	Data type	Comment
ORGANISATION_CODE	VARCHAR2(20)	The unique code for the organisation.
ORGANISATION_NAME	VARCHAR2(80)	The name of the organisation.
PRUDENTIAL_RUN_ID	NUMBER(4,0)	The run number of the prudential run.
PRUDENTIAL_DATETIME	DATE	The date and time of the prudential run.
GAS_DATE	DATE	The gas day. Disregard the time component as this is not applicable.
BIDS_FORWARD_EXP_AMT_NET_GST	NUMBER(18,8)	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.
BIDS_FORWARD_EXP_GST_AMT	NUMBER(18,8)	The total amount of GST for the day ahead auction bids forward exposure.
BID_QUANTITY	NUMBER(18,8)	The total quantity for auction bids.

5.1.22 New table: GSH_CONTRACT_REFERENCES

Comment	This report is available to participants as an audit trail of the entries in the Contract References markets portal application.
Visibility	PRIVATE
Trigger	Either upon change contract references or each morning at 06:00 AEST
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	PARTICIPANT_CODE, PRODUCT_NAME, BUY_SELL_POSITION, FROM_GAS_DATE, TO_GAS_DATE, STEP_NUMBER, VERSION_DATETIME

Columns

Field Name	Data type	Comment
PARTICIPANT_CODE	VARCHAR2(20)	The participant code used in the ETS.
PRODUCT_NAME	VARCHAR2(80)	The capacity product name.
BUY_SELL_POSITION	VARCHAR2(4)	Specifies the position that the contract reference must be used for, for example Buy, Sell or Both.
FROM_GAS_DATE	DATE	The first gas date that the contract reference takes effect from. Disregard the time component as this is not applicable.
TO_GAS_DATE	DATE	The last gas date that the contract reference takes effect until. Disregard the time component as this is not applicable.
STEP_NUMBER	NUMBER(6,0)	The step number for the corresponding capacity quantity.
SERVICE_REFERENCE	VARCHAR2(255)	The service reference issued by the facility operator.
SERVICE_REFERENCE_STATUS	VARCHAR2(20)	The status of the service reference, for example Valid, Missing or Expired.
STTM_CONTRACT_REFERENCE	VARCHAR2(255)	The STTM registered facility service identifier (CRN) associated with the service reference.
STTM_CONTRACT_REFERENCE_STATUS	VARCHAR2(20)	The status of the STTM contract reference, for example Valid, Missing or Expired.
DWGM_REFERENCE	VARCHAR2(255)	The DWGM accreditation reference associated with the transfer.
DWGM_REFERENCE_STATUS	VARCHAR2(20)	The status of the DWGM accreditation reference, for example Valid, Missing or Expired.
STEP_QUANTITY	NUMBER(10,0)	The step quantity to applied to the contract reference (GJ/day).
VERSION_DATETIME	DATE	The date & time the preference was updated.
LAST_UPDATED	DATE	The date & time the preference was updated.

Field Name	Data type	Comment
LAST_UPDATED_BY	VARCHAR2(20)	The user name who updated the preference.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.23 New table: GSH_RCPT_DELIV_POINT_PREFS

Comment	This report is available to participants as an audit trail of the entries in the CTP Receipt and Delivery Point Preferences markets portal application.
Visibility	PRIVATE
Trigger	1.On event trigger – the receipt and delivery point preference created or updated 2. On time trigger – all receipt and delivery point preferences with a 'to date' equal to or greater than current date
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	PARTICIPANT_CODE, PRODUCT_NAME, BUY_SELL_POSITION, STEP_NUMBER, VERSION_DATETIME

Columns

Field Name	Data type	Comment
PARTICIPANT_CODE	VARCHAR2(20)	The participant code used in the ETS.
PRODUCT_NAME	VARCHAR2(80)	The capacity product name.
BUY_SELL_POSITION	VARCHAR2(4)	Specifies the position that the contract reference must be used for, for example Buy, Sell or Both.
STEP_NUMBER	NUMBER(6,0)	The step number for the corresponding capacity quantity.

Field Name	Data type	Comment
VERSION_DATETIME	DATE	The date & time the preference was updated.
FROM_GAS_DATE	DATE	The first gas date that the contract reference takes effect from. Disregard the time component as this is not applicable.
TO_GAS_DATE	DATE	The last gas date that the contract reference takes effect until. Disregard the time component as this is not applicable.
OVERRIDE_FLAG	VARCHAR2(3)	A flag to indicate whether the receipt and delivery points specified in the original order should override this preference, for example Yes or No.
RECEIPT_POINT	VARCHAR2(40)	The unique identifier of the Receipt Point as defined in the Transportation Service Point Register. This is the point where gas is injected into the pipeline.
PRODUCT_RECEIPT_POINT	VARCHAR2(255)	The descriptive name of the Receipt Point as defined in the Transportation Service Point Register.
RECEIPT_POINT_ID	NUMBER(8,0)	The unique identifier of the Receipt Point as defined in the Transportation Service Point Register. This is the point where gas is injected into the pipeline.
PRODUCT_DELIVERY_POINT	VARCHAR2(40)	The unique identifier of the Delivery Point as defined in the Transportation Service Point Register. This is the point where gas is withdrawn from the pipeline. Mandatory for service points registered under Part 24 of the rules.
DELIVERY_POINT_ID	NUMBER(8,0)	The unique identifier of the Delivery Point as defined in the Transportation Service Point Register. This is the point where gas is withdrawn from the pipeline. Mandatory for service points registered under Part 24 of the rules.
DELIVERY_POINT_NAME	VARCHAR2(255)	The descriptive name of the Delivery Point as defined in the Transportation Service Point Register.
STEP_QUANTITY	NUMBER(10,0)	The step quantity to applied to the contract reference (GJ/day).
LAST_UPDATED	DATE	The date & time the preference was updated.

Field Name	Data type	Comment
LAST_UPDATED_BY	VARCHAR2(20)	The user name who updated the preference.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.24 New table: GSH_CAP_XFR_NOTICE

Comment	Capacity transfer notice includes a list of capacity quantities per shipper contract that facility operators use to update the capacity quantity on the relevant shipper contracts in their own systems.
Visibility	PUBLIC
Trigger	This report has three triggers: 1. Event triggered on completion of a capacity netting process or capacity netting fallback process following close of trade for day ahead products 2. Event triggered on completion of a capacity netting process or capacity netting fallback process following close of trade for non-day ahead capacity products 3. Event triggered on failure of capacity transfer in STTM or DWGM
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	CAPACITY_TRANSFER_ID

Columns

Field Name	Data type	Comment
CAPACITY_TRANSFER_ID	VARCHAR2(20)	The unique AEMO defined Capacity Transfer transaction identifier.
FACILITY_ID	NUMBER(8,0)	The unique facility identifier as defined in the Transportation Facility Register.

Field Name	Data type	Comment
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility as defined in the Transportation Facility Register.
PARTICIPANT_ID	VARCHAR2(20)	The unique AEMO defined GSH Participant identifier.
PARTICIPANT_NAME	VARCHAR2(80)	The descriptive name of the participant.
SERVICE_REFERENCE	VARCHAR2(255)	The service reference issued by the facility operator.
STTM_CONTRACT_REFERENCE	VARCHAR2(255)	The STTM registered facility service identifier (CRN) associated with the service reference.
RECEIPT_POINT_ID	NUMBER(8,0)	The unique identifier of the Receipt Point as defined in the Transportation Service Point Register. This is the point where gas is injected into the pipeline
RECEIPT_POINT_NAME	VARCHAR2(255)	The descriptive name of the Receipt Point as defined in the Transportation Service Point Register.
DELIVERY_POINT_ID	NUMBER(8,0)	The unique identifier of the Delivery Point as defined in the Transportation Service Point Register. This is the point where gas is withdrawn from the pipeline.
DELIVERY_POINT_NAME	VARCHAR2(255)	The descriptive name of the Delivery Point as defined in the Transportation Service Point Register.
RECEIPT_ZONE_ID	NUMBER(8,0)	The unique identifier of the Receipt Zone as defined in the Transportation Service Point Register.
RECEIPT_ZONE_NAME	VARCHAR2(255)	The descriptive name of the Receipt Zone as defined in the Transportation Service Point Register.
DELIVERY_ZONE_ID	NUMBER(8,0)	The unique identifier of the Delivery Zone as defined in the Transportation Service Point Register.
DELIVERY_ZONE_NAME	VARCHAR2(255)	The descriptive name of the Delivery Zone as defined in the Transportation Service Point Register.
GAS_DATE	DATE	The gas date that the capacity change applies to. Disregard the time component as this is not applicable.
INCREMENTAL_QUANTITY_CHANGE	NUMBER(10,0)	The incremental capacity quantity adjustment (GJ/day) to be applied to the service reference for this transfer date and gas date. This is a signed value (+/-).

Field Name	Data type	Comment
OVERALL_QUANTITY_CHANGE	NUMBER(10,0)	The overall capacity quantity adjustment (GJ/day) applied to the relevant contracts for this transfer date and gas date. This is a signed value (+/-).
LASTCHANGED	DATE	The date & time the report was generated.

5.1.25 New table: GSH_SHIPPER_CAP_XFR_NOTICE

Comment	Provides the status of a trading participant's capacity transfer related to one or more capacity trades. This notice is issued each time a capacity transfer record has a status change because of capacity transfer in the facility operator system or AEMO system. For non-STTM and non-DWGM capacity products, the status is reported as received from the facility operator. For STTM and DWGM capacity products, the status is reported once the capacity transfer has been completed in the relevant market system (STTM or DWGM).
Visibility	PUBLIC
Trigger	Event triggered when a capacity transfer record has a status change.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	CAPACITY_TRANSFER_ID

Columns

Field Name	Data type	Comment
CAPACITY_TRANSFER_ID	VARCHAR2(20)	The unique AEMO defined Capacity Transfer transaction identifier.
GAS_DATE	DATE	The gas date for the capacity change. Disregard the time component as this is not applicable.
PARTICIPANT_CODE	VARCHAR2(20)	The participant code used in the ETS.

Field Name	Data type	Comment
PARTICIPANT_NAME	VARCHAR2(80)	The descriptive name of the participant.
FACILITY_ID	NUMBER(8,0)	The unique facility identifier as defined in the Transportation Facility Register.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility as defined in the Transportation Facility Register.
SERVICE_REFERENCE	VARCHAR2(255)	The service reference issued by the facility operator.
STTM_CONTRACT_REFERENCE	VARCHAR2(255)	The STTM registered facility service identifier (CRN) associated with the service reference.
DWGM_REFERENCE	VARCHAR2(255)	The DWGM accreditation reference associated with the transfer.
RECEIPT_POINT_ID	NUMBER(8,0)	The unique identifier of the Receipt Point as defined in the Transportation Service Point Register. This is the point where gas is injected into the pipeline
RECEIPT_POINT_NAME	VARCHAR2(255)	The descriptive name of the Receipt Point as defined in the Transportation Service Point Register.
DELIVERY_POINT_ID	NUMBER(8,0)	The unique identifier of the Delivery Point as defined in the Transportation Service Point Register. This is the point where gas is withdrawn from the pipeline.
DELIVERY_POINT_NAME	VARCHAR2(255)	The descriptive name of the Delivery Point as defined in the Transportation Service Point Register.
RECEIPT_ZONE_ID	NUMBER(8,0)	The unique identifier of the Receipt Zone as defined in the Transportation Service Point Register.
RECEIPT_ZONE_NAME	VARCHAR2(255)	The descriptive name of the Receipt Zone as defined in the Transportation Service Point Register.
DELIVERY_ZONE_ID	NUMBER(8,0)	The unique identifier of the Delivery Zone as defined in the Transportation Service Point Register.
DELIVERY_ZONE_NAME	VARCHAR2(255)	The descriptive name of the Delivery Zone as defined in the Transportation Service Point Register.
STATUS	VARCHAR2(20)	The status of the capacity transfer, for example Transferred, Partial, Pending, Rejected or Cancelled.

Field Name	Data type	Comment
SYSTEM	VARCHAR2(20)	The system that has processed the capacity transfer, for example Facility operator, AEMO, AEMO STTM or AEMO DWGM.
REASON	VARCHAR2(20)	The reason for a rejected or cancelled capacity transfer, for example Buyer delivery contract, Seller delivery fault, system issue or matching record not found.
TRANSACTION_COMPLETED_FLAG	VARCHAR2(3)	Flag to indicate whether the capacity transfer process is completed, for example yes or no.
OVERALL_QUANTITY_CHANGE	NUMBER(10,0)	The overall capacity quantity adjustment (GJ/day) applied to the relevant contracts for this transfer date and gas date. This is a signed value (+/-).
LASTCHANGED	DATE	The date & time the report was generated.

5.1.26 New table: GSH_AUCTION_BID_SUBMISSION

Comment	Provides a confirmation to trading participants that their auction bid has been successfully submitted.
Visibility	PRIVATE
Trigger	Event trigger on participant bid submission
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	SUBMISSION_ID

Columns

Field Name	Data type	Comment
SUBMISSION_ID	NUMBER(8,0)	Unique ID for a bid entry

Field Name	Data type	Comment
PARTICIPANT_CODE	VARCHAR2(20)	Unique Participant Code
SUBMISSION_TIME	DATE	Date and Time of the submission
FROM_GAS_DATE	DATE	The first gas day of the auction bid. Disregard the time component as this is not applicable.
TO_GAS_DATE	DATE	The last gas day of the auction bid. Disregard the time component as this is not applicable.
LAST_UPDATED	DATE	The date and time the bid was submitted or updated.
LAST_UPDATED_BY	VARCHAR2(100)	The user name who submitted or updated the bid.
LASTCHANGED	DATE	The date and time the report was generated.

5.1.27 New table: GSH_AUCTION_BID_PROFILE

Name	GSH_AUCTION_BID_PROFILE
Comment	Top-level table for a profile of auction bids on a given gas date
Visibility	PRIVATE
Trigger	Event trigger on participant bid submission
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	GAS_DATE, PARTICIPANT_CODE, SUBMISSION_TIME

Columns

Field Name	Data type	Comment
GAS_DATE	DATE	Single Gas Date of Submission
PARTICIPANT_CODE	VARCHAR2(20)	Unique Participant Code
SUBMISSION_TIME	DATE	Date and Time of the submission
LAST_UPDATED_BY	VARCHAR2(20)	The user name who submitted or updated the bid.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.28 New table: GSH_AUCTION_BID

Comment	Information for a single bid contained within a bid profile
Visibility	PRIVATE
Trigger	Event trigger on participant bid submission
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	GAS_DATE, PARTICIPANT_CODE, SUBMISSION_TIME, BID_ID

Columns

Field Name	Data type	Comment
GAS_DATE	DATE	Single Gas Date of Submission
PARTICIPANT_CODE	VARCHAR2(20)	Unique Participant Code

Field Name	Data type	Comment
SUBMISSION_TIME	DATE	Date and Time of the submission
BID_ID	NUMBER(8,0)	Unique Bid ID within Bid Profile
LASTCHANGED	DATE	The date and time the report was generated.

5.1.29   New table: GSH_AUCTION_BID_TRK

Comment	For population in an upcoming release
Visibility	PRIVATE
Trigger	TBA
Participant file share location	TBA
Primary key (in order)	AUCTION_DATE, GAS_DATE, VERSION_DATETIME, PARTICIPANT_ID, BID_ID

Columns

Field Name	Data type	Comment
AUCTION_DATE	DATE	Date the auction was run
GAS_DATE	DATE	The Gas Date the auction is for
VERSION_DATETIME	DATE	Versioning within the Gas Date
PARTICIPANT_ID	VARCHAR2(20)	GSH Participant ID

Field Name	Data type	Comment
BID_ID	NUMBER(8,0)	Unique Bid ID within the Bid Profile
SUBMISSION_TIME	DATE	The date and time the submission ended

5.1.30 New table: GSH_AUCTION_BID_PRODUCT

Comment	Information for a single auction product contained within a bid
Visibility	PRIVATE
Trigger	Event trigger on participant bid submission
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	GAS_DATE, PARTICIPANT_CODE, SUBMISSION_TIME, BID_ID, AUCTION_PRODUCT_TYPE, DELIVERY_POINT_ID, RECEIPT_POINT_ID

Columns

Field Name	Data type	Comment
GAS_DATE	DATE	Single Gas Date of Submission
PARTICIPANT_CODE	VARCHAR2(20)	Unique Participant Code
SUBMISSION_TIME	DATE	Date and Time of the submission
BID_ID	NUMBER(8,0)	Unique Bid ID within Bid Profile
AUCTION_PRODUCT_TYPE	VARCHAR2(20)	The product type, for example Forward Haul, Backhaul, Compression

Field Name	Data type	Comment
RECEIPT_POINT_ID	NUMBER(8,0)	The unique identifier of the Receipt Point as defined in the Transportation Service Point Register. This is the point where gas is injected into the pipeline
RECEIPT_POINT_NAME	VARCHAR2(255)	The descriptive name of the Receipt Point as defined in the Transportation Service Point Register.
RP_DWGM_REFERENCE	VARCHAR2(255)	The DWGM accreditation reference associated with the Receipt Point.
DELIVERY_POINT_ID	NUMBER(8,0)	The unique identifier of the Delivery Point as defined in the Transportation Service Point Register. This is the point where gas is withdrawn from the pipeline. Mandatory for service points registered under Part 24 of the rules.
DELIVERY_POINT_NAME	VARCHAR2(255)	The descriptive name of the Delivery Point as defined in the Transportation Service Point Register.
DP_DWGM_REFERENCE	VARCHAR2(255)	The DWGM accreditation reference associated with the Delivery Point.
SERVICE_REFERENCE	VARCHAR2(255)	The service reference issued by the facility operator.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.31 New table: GSH_AUCTION_BID_STEP

Comment	Information for a single step contained within a bid.
Visibility	PRIVATE
Trigger	Event trigger on participant bid submission
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	GAS_DATE, PARTICIPANT_CODE, SUBMISSION_TIME, BID_ID, STEP_NUMBER

Columns

Field Name	Data type	Comment
GAS_DATE	DATE	Single Gas Date of Submission
PARTICIPANT_CODE	VARCHAR2(20)	Unique Participant Code
SUBMISSION_TIME	DATE	Date and Time of the submission
BID_ID	NUMBER(8,0)	Unique Bid ID within Bid Profile
STEP_NUMBER	NUMBER(6,0)	Unique Step ID within the Bid
STEP_QUANTITY	NUMBER(18,8)	Quantity for this Bid Step
STEP_PRICE	NUMBER(18,8)	Price for this Bid Step
LASTCHANGED	DATE	The date & time the report was generated.

5.1.32 New table: GSH_AUCTION_RUN

Comment	Specifies the Auction Run has completed, issued to any participants bidding in the auction (regardless of whether any auction bids are won), and facility operators who have a facility in the Auction
Visibility	PRIVATE
Trigger	Completion of Auction Run
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	AUCTION_DATE, GAS_DATE, AUCTION_RUN_DATETIME, PARTICIPANT_ID

Columns

Field Name	Data type	Comment
AUCTION_DATE	DATE	The date of the auction.
GAS_DATE	DATE	The gas date for which capacity is assigned to the shipper.
AUCTION_RUN_DATETIME	DATE	The date and time that the auction was run.
PARTICIPANT_ID	VARCHAR2(20)	Unique GSH Participant ID
PARTICIPANT_CODE	VARCHAR2(20)	The unique identifier of the participant
LASTCHANGED	DATE	The date & time the report was generated.

5.1.33 New table: GSH_AUCTION_RESULTS

Comment	Specifies the details of the capacity won at auction
Visibility	PRIVATE
Trigger	Completion of Auction Run
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	AUCTION_TRANSACTION_ID

Columns

Field Name	Data type	Comment
AUCTION_TRANSACTION_ID	NUMBER(12,0)	The unique identifier of the auction transaction.
AUCTION_DATE	DATE	The date of the auction. Disregard the time component as this is not applicable.
FACILITY_ID	NUMBER(8,0)	The unique facility identifier as defined in the Transportation Facility Register.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility as defined in the Transportation Facility Register.
PARTICIPANT_ID	VARCHAR2(20)	The unique AEMO defined GSH Participant identifier.
PARTICIPANT_CODE	VARCHAR2(20)	The unique identifier of the participant
PARTICIPANT_NAME	VARCHAR2(80)	The descriptive name of the participant.
SERVICE_REFERENCE	VARCHAR2(255)	The service reference issued by the facility operator.
RECEIPT_POINT_ID	NUMBER(8,0)	The unique identifier of the Receipt Point as defined in the Transportation Service Point Register. This is the point where gas is injected into the pipeline
RECEIPT_POINT_NAME	VARCHAR2(255)	The descriptive name of the Receipt Point as defined in the Transportation Service Point Register.
RP_DWGM_REFERENCE	VARCHAR2(255)	The DWGM accreditation reference associated with the Receipt Point.
DELIVERY_POINT_ID	NUMBER(8,0)	The unique identifier of the Delivery Point as defined in the Transportation Service Point Register. This is the point where gas is withdrawn from the pipeline. Mandatory for service points registered under Part 24 of the rules.
DELIVERY_POINT_NAME	VARCHAR2(255)	The descriptive name of the Delivery Point as defined in the Transportation Service Point Register.
DP_DWGM_REFERENCE	VARCHAR2(255)	The DWGM accreditation reference associated with the Delivery Point.
AUCTION_QUANTITY_WON	NUMBER(8,0)	The capacity quantity won at auction (GJ/day) by the participant.

Field Name	Data type	Comment
GAS_DATE	DATE	The gas date for which capacity is assigned to the shipper, in ISO 8601 datetime format (yyyy-mm-ddThh:mm:ss).
PRODUCT_PRICE	NUMBER(18,8)	The price of the auction product won at auction ($/GJ) by the participant.
VERSION_DATETIME	DATE	Versioning with EffectiveDate
LASTCHANGED	DATE	The date & time the report was generated.

5.1.34 New table: GSH_CONTRACT_DETAILS

Comment	Provides participants with a list of all the facility operator service references and STTM contract references that are available to them for capacity trading
Visibility	PRIVATE
Trigger	This report has two triggers: 1.Event triggered upon submission of Contract Details from facility operator 2.Time triggered daily at 6:00 AM AEST
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	PARTICIPANT_ID, FACILITY_ID, SERVICE_REFERENCE

Columns

Field Name	Data type	Comment
PARTICIPANT_ID	VARCHAR2(20)	The unique AEMO defined GSH Participant identifier.
PARTICIPANT_NAME	VARCHAR2(80)	The descriptive name of the participant.
PARTICIPANT_CODE	VARCHAR2(20)	The participant code used in the ETS.
FACILITY_ID	NUMBER(8,0)	The unique facility identifier as defined in the Transportation Facility Register.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility as defined in the Transportation Facility Register.
SERVICE_REFERENCE	VARCHAR2(255)	The service reference issued by the facility operator.
SERVICE_REFERENCE_DESCRIPTION	VARCHAR2(255)	Brief description of the service reference.
STTM_CONTRACT_REFERENCE	VARCHAR2(255)	The STTM registered facility service identifier (CRN) associated with the service reference if applicable.
CONTRACT_TYPE	VARCHAR2(20)	Indicates if a contract can be used for capacity trades, auctions or both. For example, Trade, Auction or All.
START_DATE	DATE	Effective start date of the contract. Disregard the time component as this is not applicable.
END_DATE	DATE	Effective end date of the contract. Disregard the time component as this is not applicable.
LASTCHANGED	DATE	The date & time the report was generated.

5.1.35 New table: GSH_AUCTION_CURTAIL_NOTICE

Comment	Contains details of curtailment of nominations against secondary firm rights (CTP trades) for service points (receipt and delivery points).
Visibility	PUBLIC
Trigger	Event triggered when facility operators submit zone curtailment information to AEMO.
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	NOTICE_ID, FACILITY_ID, EFFECTIVE_DATE_TIME, AUCTION_SERVICE, GAS_DATE

Columns

Field Name	Data type	Comment
NOTICE_ID	NUMBER(8,0)	The unique identifier of the notice.
FACILITY_ID	NUMBER(8,0)	The unique facility identifier as defined in the Transportation Facility Register.
CURTAILED	VARCHAR2(3)	A flag to indicate curtailment
MATERIAL	VARCHAR2(3)	Flag to indicate material curtailment
DESCRIPTION	VARCHAR2(255)	A description of the curtailment.
EFFECTIVE_DATE_TIME	DATE	The date and time the curtailment is effective from.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility.
AUCTION_SERVICE	VARCHAR2(20)	The auction service impacted by curtailment.
GAS_DATE	DATE	The effective gas date of the rejected nomination quantity.

Field Name	Data type	Comment
LASTCHANGED	DATE	The date & time the report was generated.

5.1.36 New table: GSH_CAPACITY_TRANSACTION

Comment	Consolidated list of all secondary capacity trades which includes GSH trades (screen traded and off-market trades) and Bilateral trades submitted into the GBB
Visibility	PUBLIC
Trigger	Time Triggered at 19:30 (AEST)
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	TRANSACTION_ID, VERSION_DATETIME

Columns

Name	Data Type	Comment
TRANSACTION_ID	VARCHAR2(50)	Unique capacity transaction ID
VERSION_DATETIME	DATE	The updated version within the transaction ID
TRADE_DATE	DATE	The date the trade was made. Disregard the time component as this is not applicable.
FROM_GAS_DATE	DATE	The effective start date of the trade. Disregard the time component as this is not applicable.
TO_GAS_DATE	DATE	The effective end date of the trade. Disregard the time component as this is not applicable.
TRADE_TYPE	VARCHAR2(30)	The type of trade.

Name	Data Type	Comment
FACILITY_ID	NUMBER(10,0)	The unique identifier of the Part 24 facility. Mandatory for facilities registered under Part 24 of the rules.
FACILITY_NAME	VARCHAR2(100)	The descriptive name of the facility.
TRANSPORTATION_SERVICE_TYPE	VARCHAR2(12)	The transportation service type.
FLOW_DIRECTION	VARCHAR2(20)	The direction of the flow for non-Part 24 facilities, relative to the general physical direction of the facility.
RECEIPT_ZONE_ID	NUMBER(10,0)	The unique identifier of the Part 24 Receipt Zone. This is the zone in which the receipt point that was reported to AEMO is specified. Mandatory for service points registered under Part 24 of the rules.
RECEIPT_ZONE_NAME	VARCHAR2(255)	The descriptive name of the Receipt Zone.
DELIVERY_ZONE_ID	NUMBER(10,0)	The unique identifier of the Part 24 Delivery Zone. This is the zone in which the delivery point that was reported to AEMO is specified. Mandatory for service points registered under Part 24 of the rules.
DELIVERY_ZONE_NAME	VARCHAR2(255)	The descriptive name of the Delivery Zone.
PARK_LOAN_POINT_ID	NUMBER(10,0)	The unique identifier of the Part 24 Park and Loan service point. Mandatory for service points registered under Part 24 of the rules.
PARK_LOAN_POINT_NAME	VARCHAR2(255)	The descriptive name of the service point.
STANDARD_OTSA	VARCHAR2(255)	Flag to indicate whether a standard OTSA was used.
PRIORITY	VARCHAR2(255)	The priority of the traded capacity. Mandatory for GBB bilateral trades. Null for GSH trades.
MAX_DAILY_QUANTITY	NUMBER(10,0)	The traded maximum daily quantity (MDQ) (GJ/day).
MAX_HOURLY_QUANTITY	NUMBER(10,0)	The traded maximum hourly quantity (GJ/hour). Null for GSH trades.
PRICE	NUMBER(18,8)	The price of the traded capacity ($/GJ/day).

Name	Data Type	Comment
PRICE_STRUCTURE	VARCHAR2(255)	The price structure applied over the term of the trade. Mandatory for GBB bilateral trades. Null for GSH trades.
PRICE_ESCALATION_MECHANISM	VARCHAR2(255)	The price escalation mechanism applied over the term of the trade. Null for GSH trades.
LASTCHANGED	DATE	The date and time the report was generated.

5.1.37 Modified table: GSH_DELIVERY_OBLIGATIONS

Comment	The purpose of this report is to provide participants with their Delivery Obligations at each location. Delivery Obligation quantities are results of the delivery netting process.
Visibility	Private
Trigger	On table update
Participant file share location	<PARTICIPANTID>\import\GSH\Reports
Primary key (in order)	NETTING_TRANSACTION_ID

Columns

Name	Data Type	Comment
NETTING_TRANSACTION_ID	VARCHAR2(20)	The unique identifier of the delivery transaction.
BUYER_PARTICIPANT_CODE	VARCHAR2(20)	The unique identifier for the participant on the buy side of the trade, who has an obligation to receipt gas OR the unique code for the participant with net zero position.

Name	Data Type	Comment
BUYER_PARTICIPANT_NAME	VARCHAR2(80)	The unique identifier for the participant on the buy side of the trade, who has an obligation to receipt gas OR the unique code for the participant with net zero position.
SELLER_PARTICIPANT_CODE	VARCHAR2(20)	The unique identifier for the participant on the buy side of the trade, who has an obligation to deliver gas OR the unique code for the participant with net zero position.
SELLER_PARTICIPANT_NAME	VARCHAR2(80)	The unique identifier for the participant on the buy side of the trade, who has an obligation to deliver gas OR the unique code for the participant with net zero position.
FROM_GAS_DATE	DATE	The first gas date in the netting period.
TO_GAS_DATE	DATE	The last gas date of the netting period.
PRODUCT_LOCATION	VARCHAR2(80)	The product location, product grouping code for the Gas Supply Hub market
DELIVERY_QUANTITY	NUMBER(18, 8)	The quantity of the delivery transaction GJ/day OR zero if the participant has a zero net position.
DELIVERY_POINT	VARCHAR2(20)	Delivery point/s and associated quantities determined as part of SUC7407a – Perform Participant Location Netting OR NULL if the participant has a zero net position.
DELIVERY_TYPE_ALERT	VARCHAR2(20)	This field is empty if the transaction is an output of the delivery-netting module. If the transaction is an original executed trade (due to a system failure), this field shows "Individual Contract Delivery".
LASTCHANGED	DATE	The date and time the report was generated.
ETS_TRADE_ID	VARCHAR2(20)	The 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.

5.1.38 Participant interfaces changes

MMS Data Model table	File ID	CSV report type	Change
GSH_PARTICIPANTS	GSH_PARTICIPANTS GSH_PARTICIPANTS_LEGACY	GAS_SUPPLY_HUB,GSH_PARTICIPANTS,2 GAS_SUPPLY_HUB,GSH_PARTICIPANTS,1	Modified
GSH_PARTICIPANTS_OPSTATE	GSH_PARTICIPANTS	GAS_SUPPLY_HUB,GSH_PARTICIPANTS,2	New
GSH_CAP_XFR_AUCTION_NOTICE	GSH_CAPACITY_TRANSFER_AUCTION_NOTICE	GAS_SUPPLY_HUB,GSH_CAP_XFR_AUCTION_NOTICE_RANGE,1	New
GSH_FACILITIES	GSH_REGISTERED_FACILITIES	GAS_SUPPLY_HUB,GSH_FACILITIES,1	New
GSH_ZONES	GSH_REGISTERED_SERVICE_POINTS	GAS_SUPPLY_HUB,GSH_ZONES,1	New
GSH_PIPELINE_SEGMENTS	GSH_REGISTERED_SERVICE_POINTS	GAS_SUPPLY_HUB,GSH_PIPELINE_SEGMENTS,1	New
GSH_SERVICE_POINTS	GSH_REGISTERED_SERVICE_POINTS	GAS_SUPPLY_HUB,GSH_SERVICE_POINTS,1	New
GSH_NOTIONAL_POINTS	GSH_REGISTERED_SERVICE_POINTS	GAS_SUPPLY_HUB,GSH_FACILITY_NOTIONAL_POINTS,1	New
GSH_PARK_SERVICES	GSH_REGISTERED_SERVICE_POINTS	GAS_SUPPLY_HUB,GSH_PARK_SERVICES,1	New
GSH_AUCTION_QUANTITIES	GSH_AUCTION_QUANTITIES	GAS_SUPPLY_HUB,GSH_AUCTION_QUANTITIES,1	New
GSH_AUCTION_PRICE_VOLUME	GSH_AUCTION_PRICE_VOLUME,1	GAS_SUPPLY_HUB,GSH_AUCTION_PRICE_VOLUME,1	New
GSH_AUCTION_RESULTS	GSH_AUCTION_RESULTS	GAS_SUPPLY_HUB,GSH_AUCTION_RESULTS,1	New
GSH_ZONE_CURTAILMENT	GSH_ZONE_CURTAILEMENT_INFORMATION	GAS_SUPPLY_HUB,GSH_ZONE_CURTAILEMENT_INFORMATION,1	New
GSH_TRADES	GSH_TRADE_RANGE GSH_TRADE_SINGLE	GAS_SUPPLY_HUB,GSH_TRADE_RANGE,3 GAS_SUPPLY_HUB,GSH_TRADE_SINGLE,3	Modified
GSH_ORDERS	GSH_ORDER	GAS_SUPPLY_HUB,GSH_ORDER,3	Modified

MMS Data Model table	File ID	CSV report type	Change
GSH_SUPP_AUCTION_QUANTITIES	GSH_SETTLEMENTS	GAS_SUPPLY_HUB,GSH_SETT_AUCTION_QUANTITIES,1	New
GSH_SUPP_CAPACITY_AUCTION	GSH_SETTLEMENTS	GAS_SUPPLY_HUB,GSH_SETT_CAPACITY_AUCTION,1	New
GSH_SUPP_CAPACITY_VARIANCE	GSH_SETTLEMENTS	GAS_SUPPLY_HUB,GSH_SETT_CAPACITY_VARIANCE,1	New
GSH_SUPP_CAPACITY_TRANSFERS	GSH_SETTLEMENTS	GAS_SUPPLY_HUB,GSH_SETT_CAPACITY_TRANSFER	New
GSH_PRD_EST_MARKET_EXPOSURE	GSH_PRUDENTIAL_EXPOSURE	GAS_SUPPLY_HUB,GSH_PRUDENTIAL_EST_MARK_EXP,2	Modified
GSH_PRD_AUCT_FWD_EXPOSURE	GSH_PRUDENTIAL_EXPOSURE	GAS_SUPPLY_HUB,GSH_PRUDENTIAL,AUCTION_FORWARD_EXP,1	New
GSH_CONTRACT_REFERENCES	GSH_CONTRACT_REFERENCES_PT GSH_CONTRACT_REFERENCES	GAS_SUPPLY_HUB,GSH_CONTRACT_REFERENCES_RANGE,1 GAS_SUPPLY_HUB,GSH_CONTRACT_REFERENCES_SINGLE,1	New
GSH_RCPT_DELIV_POINT_PREFS	GSH_RECEIPT_DELIVERY_POINT_PREFERENCES	GAS_SUPPLY_HUB,GSH_RCPT_DELIV_POINT_PREFS,1	New
GSH_CAPACITY_XFR_NOTICE	GSH_CAPACITY_TRANSFER_NOTICE	GAS_SUPPLY_HUB,GSH_CAP_XFR_NOTICE_GROUP,1 GAS_SUPPLY_HUB,GSH_CAP_XFR_NOTICE_RANGE,1	New
GSH_SHIPPER_CAP_XFR_NOTICE	GSH_SHIPPER_CAPACITY_TRANSFER_NOTICE	GAS_SUPPLY_HUB,GSH_SHIPPER_CAP_XFR_NOTICE_RANGE,1	New
GSH_AUCTION_BID_SUBMISSION	GSH_AUCTION_BID_CONFIRMATION	GAS_SUPPLY_HUB,GSH_AUCTION_BID_SUBMISSION,1	New
GSH_AUCTION_BID_PROFILE	GSH_AUCTION_BID_CONFIRMATION	GAS_SUPPLY_HUB,GSH_AUCTION_BID_PROFILE,1	New
GSH_AUCTION_BID	GSH_AUCTION_BID_CONFIRMATION	GAS_SUPPLY_HUB,GSH_AUCTION_BID,1	New
GSH_ AUCTION_BID_TRK	TBA	TBA	New

MMS Data Model table	File ID	CSV report type	Change
GSH_AUCTION_BID_PRODUCT	GSH_AUCTION_BID_CONFIRMATION	GAS_SUPPLY_HUB,GSH_AUCTION_BID_PRODUCT,1	New
GSH_AUCTION_BID_STEP	GSH_AUCTION_BID_CONFIRMATION	GAS_SUPPLY_HUB,GSH_AUCTION_BID_STEP,1	New
GSH_AUCTION_RUN	GSH_AUCTION_RESULTS	GAS_SUPPLY_HUB,GSH_AUCTION_RUN,1	New
GSH_AUCTION_RESULTS	GSH_AUCTION_RESULTS	GAS_SUPPLY_HUB,GSH_AUCTION_RESULTS,1	New
GSH_CONTRACT_DETAILS	GSH_CONTRACT_DETAILS	GAS_SUPPLY_HUB,GSH_CONTRACT_DETAILS,1	New
GSH_AUCTION_CURTAIL_NOTICE	GSH_AUCTION_CURTAILMENT_NOTICE	GAS_SUPPLY_HUB,GSH_AUCTION_CURTAIL_NOTICE,1	New
GSH_CAPACITY_TRANSACTION	GSH_CAPACITY_TRANSACTION	GAS_SUPPLY_HUB,GSH_CAPACITY_TRANSACTION,1	New
GSH_REVISED_AUCT_QUANTITIES	GSH_REVISED_AUCTION_QUANTITIES	GAS_SUPPLY_HUB, GSH_REVISED_AUCTION_QUANTITIES,1	New

5.1.39 File interface changes

File ID	Description	Batcher file masks	Frequency	Auto-subscription
GSH_PARTICIPANTS GSH_PARTICIPANTS_LEGACY	Added new fields	*_REGISTEREDPARTICIPANTS_*.CSV	Ad hoc	N...
GSH_PARTICIPANTS_OPSTATE	New	*_REGISTEREDPARTICIPANTS_*.CSV	Monthly and Trigger on update of participant details	Yes
GSH_CAPACITY_TRANSFER_AUCTION_NOTICE	New	*_CAPACITYTRANSFERAUCTIONNOTICE_*.CSV	Market delay or cancellation process	Yes
GSH_REGISTERED_FACILITIES	New	*_REGISTEREDFACILITIES_*.CSV	Ad hoc & monthly at the beginning of each month	Yes

File ID	Description	Batcher file masks	Frequency	Auto-subscription
GSH_REGISTERED_SERVICE_POINTS	New	*_REGISTEREDSERVICEPOINTS_*.CSV	Once per month, or on updating of Facility Data	Yes
GSH_AUCTION_QUANTITIES	New	*_AUCTIONQUANTITIES_*.CSV	Time triggered daily at 5:30 PM AEST non-harmonised time and 4:30 PM AEST harmonised time	Yes
GSH_AUCTION_PRICE_VOLUME	New	*_AUCTIONPRICEVOLUME_*.CSV	Completion of Auction Run	Yes
GSH_AUCTION_RESULTS	New	*_GSHAUCTIONRESULTS_*.CSV	Completion of Auction Run	Yes
GSH_ZONE_CURTAILEMENT_INFORMATION	New	*_ZONECURTAILMENT_*.CSV	When facility operators submit zone curtailment information to AEMO	Yes

File ID	Description	Batcher file masks	Frequency	Auto-subscription
GSH_TRADE_RANGE	Modified	*_TRADEEXECUTION_*.CSV	On Trade Execution, at end of trading day	No
GSH_TRADE_SINGLE	Modified	*_TRADEEXECUTION_*.CSV	On Trade Execution, at end of trading day	No
GSH_ORDER	Modified	*_ORDERCONFIRMATION_*.CSV	When an order is added, changed, or cancelled	No
GSH_SETTLEMENTS	New	*_SETTLEMENTS_*.CSV	Included in file of Settlement Supporting Data	Yes
GSH_PRUDENTIAL_EXPOSURE	Modified	*_PRUDENTIALEXPOSURE_*.CSV	Included in Prudential Run file	No
GSH_REVISED_AUCT_QUANTITIES	New	*_REVISEDAUCTIONQUANTITIES_*.CSV	Ad hoc	Yes

File ID	Description	Batcher file masks	Frequency	Auto-subscription
GSH_ZONE_CURTAILEMENT	New	*_ZONECURTAILEMENTINFO_*.CSV	Ad hoc	Yes
GSH_CONTRACT_REFERENCES	New	*_CONTRACTREFERENCES_*.CSV	Upon change contract references or each morning at 06:00 AEST	Yes
GSH_CONTRACT_REFERENCES_PT	New	*_CONTRACTREFERENCES_*.CSV	Upon change contract references or each morning at 06:00 AEST	Yes
GSH_RECEIPT_DELIVERY_POINT_PREFERENCES	New	*_RECEIPTDELIVERYPOINTPREFERENCES_*.CSV	1. On event trigger – the receipt and delivery point preference created or updated 2. On time trigger – all receipt and delivery point preferences with a 'to date' equal to or greater than current date	Yes

File ID	Description	Batcher file masks	Frequency	Auto-subscription
GSH_SHIPPER_CAPACITY_TRANSFER_NOTICE	New	*_SHIPPERCAPACITYTRANSFERNOTICE_*	Event triggered when a capacity transfer record has a status change.	Yes
GSH_AUCTION_BID_CONFIRMATION	New	*_AUCTIONBIDCONFIRMATION_*.CSV	On participant bid submission	Yes
GSH_AUCTION_RESULTS	New	*_AUCTIONRESULTS_*.CSV	Completion of Auction Run	Yes
GSH_CONTRACT_DETAILS	New	*_CONTRACTDETAILS_*.CSV	1. Event triggered upon submission of Contract Details from facility operator 2. Time triggered daily at 6:00 AM AEST	Yes
GSH_AUCTION_BID	New	*_GSH_AUCTION_BID_*.CSV	Time Triggered at 19:30 (AEST)	Yes

File ID	Description	Batcher file masks	Frequency	Auto-subscription
GSH_ AUCTION_BID_TRK	New	TBA	TBA	Yes
GSH_REVISED_AUCTION_QUANTITIES	New	*_REVISEDAUCTIONQUANTITIES_*.CSV	Time triggered at 2:00 PM (AEST) on gas day D+1.	Yes
GSH_CAPACITY_TRANSACTION	New	*_CAPACITYTRANSACTION_*.CSV	Time triggered daily at 7:30 PM (AEST).	Yes

5.1.40 Discontinued reports

> **Participants must ensure all internal dependencies on these tables are removed prior to the deployment of this Release otherwise participant processes may be impacted.**

MMS Data Model table	File ID	Delivered in file	CSV report type	Replaced by
GSH_TRADES	GSH_TRADE_RANGE	*_TRADEEXECUTION_*	GAS_SUPPLY_HUB,TRADES,2	GAS_SUPPLY_HUB,TRADES,3
GSH_TRADES	GSH_TRADE_SINGLE	*_TRADEEXECUTION_*	GAS_SUPPLY_HUB,TRADES,2	GAS_SUPPLY_HUB,TRADES,3
GSH_ORDER	GSH_ORDER	*_ORDERCONFIRMATION_*	GAS_SUPPLY_HUB,ORDERS,2	GAS_SUPPLY_HUB,ORDERS,3

5.1.41 Non-functional changes

MMS Data Model table	Change detail
GSH_SUPP_DELIVERED_QUANTITY	This will contain delivered quantity information for commodity trades and capacity trades. In the case of capacity trades, the delivered quantity is actually the transferred quantity.
GSH_SUPP_DELIVERY_VARIANCE	The delivery variance payments and charges will cover both commodity and capacity delivery variances.
GSH_SUPP_EXECUTED_TRADES	This will contain executed trade information for both commodity and capacity trades.
GSH_SUPP_FEE	May contain fee for participants that choose to register for capacity trading only
GSH_SUPP_SERVICES	No additional data. However, the existing service payments and charges will now be used to represent payments and charges related to capacity trades.

6. Implementation

6.1   Transition

To receive new Pipeline Capacity Trading data to your Data Interchange environment, participants must upgrade to Gas Data Model 2.1.

6.2   Risks

- No critical impacts to participants identified.

6.3   Upgrade options

From a wholesale energy market system's focus, participants need to:

1. Review and assess the impact on their market systems with respect to the changes implemented as part of this Release.

2. Plan to upgrade their Data Interchange installations to the latest versions to realise benefits from the new functionality, operate against newly supported platforms, and to maintain ongoing support from AEMO.

3. Schedule staff and resources to upgrade their market systems from the implementation of this Release. To maintain systems in-line with AEMO's market systems, AEMO recommends upgrading within six months of the implementation date.

4. Change their systems prior to the deployment of this Release to ensure they are up-to-date. AEMO recommends participants' wholesale market systems are compliant with the latest Data Interchange software versions, see **Data Interchange Framework and Glossary**.

6.4   What happens if I do not upgrade?

If participants' systems are compliant with the **Data Interchange Framework and Glossary > Baseline Assumptions**, this Release does not impact MMS Data Model systems immediately. Depending on participant's systems, not upgrading may result in the following issues:

- New data is not received to the new fields or tables because the data model elements are not created on the participant's database.
- Participants not subscribed to the latest versions of files, using the Data Subscriptions web application, will not receive the new data.
- Content in legacy files may change after deployment of this Release.

If participants have a system dependency on the formats of the non-MMS Data Model reports, they need to manage these dependencies using the detail provided in this technical specification. Participants need to review and assess the impact on their market systems with respect to the changes implemented as part of this Release.

7. Glossary

Abbreviation/Term	Explanation
Bid	Traders submit Bids to buy capacity.
Bilateral Capacity Trades	A trade that is executed outside of the CTP. Bilateral trades must be reported to AEMO, however the financial settlement is handled directly between the seller and buyer, outside of the CTP.
PCT	Pipeline Capacity Trading
DAA	Day-Ahead Auction
Data Interchange	Data interchange (DI) is a set of cooperating applications to replicate data between AEMO's Wholesale Market Systems and registered participants' RDBMS conforming to the Electricity and/or Gas Data Models. AEMO recommends participants use the Data Interchange software (supplied by AEMO) to automate receiving and storage of the subscribed reports from Data Subscriptions. The data is conveniently stored in the participant's RDBMS conforming to the MMS Data Model.
DTS	Declared Transmission System (Victoria)
DWGM	Declared Wholesale Gas Market (Victorian market)
EMMS	Wholesale electricity market management system
ETS	Exchange Trading System. An exchange platform currently used for trading commodity gas in the GSH.
Fungible	One unit or portion can replace another in respect of function, office, or use.
GMRG	Gas Market Reform Group
GSH	Gas Supply Hub
MHQ	Maximum hourly quantity. Refers to the maximum hourly quantity that a trading participant can be scheduled to inject or withdraw in the DWGM.
Offer	Traders submit Offers to sell spare capacity
Off-market Trade	A trade between two trading participants that is submitted into the GSH system for financial settlement.
Online-traded Trade	A trade that is automatically created by the GSH system by matching a bid and offer.

Abbreviation/Term	Explanation
Participant File Server	The Participant ID set of folders on AEMO's systems where the Participant ID can retrieve files using FTP or automate the process using Data Interchange.
STTM	Short Term Trading Market (Brisbane, Sydney, and Adelaide) Pronounced: es-tt-m.
Trade	A matching bid and offer.
Transportation Services	Transmission pipeline and compression services outside the Victorian DTS.