

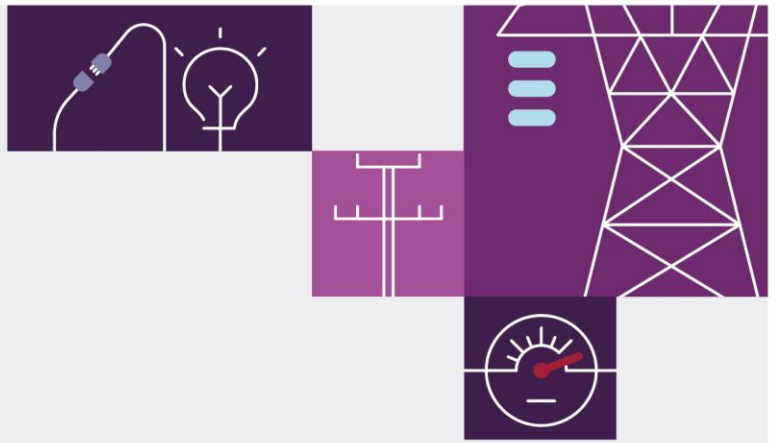
EMMS - Technical Specification - Gas Data Model - November 2025

0.01 September 2025

Pre-production: Tuesday 14 October 2025

Production: Wednesday 19 November
2025





Important notice

Purpose & audience

This document describes the technical changes required to participant's systems for the EMMS - Technical Specification - Gas Data Model - November 2025 (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 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** is a link to related information. Some links require access to MarketNet.
- **Text in this format**, indicates a reference to a document on AEMO's website.
- **Text in this format** is an action to perform in the Markets Portal.
- 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.
- Rules Terms have the meaning listed against them in the **National Gas Rules**.

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Distribution

Available to the public.

Document Identification

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Version History

0.01 Initial creation

Documents made obsolete

The release of this document changes only the version of EMMS - Technical Specification - Gas Data Model - November 2025.

Support Hub

To contact AEMO's Support Hub use Contact Us on AEMO's website or for urgent matters phone: 1300 AEMO 00 (1300 236 600).



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1 Introduction

1.1 Audience


The primary audience is Registered Participant including

- Business analysts and IT teams.
- Implementers and maintainers of Gas Data Model and Data Interchange environments.

1.2 Objective

The EMMS - Technical Specification - Gas Data Model - November 2025 (Release) describes the projects planned by AEMO from a participant perspective and includes any system related changes for participants.

1.3 Status

Version	Status
0.01	<div><p>Initial Draft for review. The design is not ready for participants' builds</p><p>Presents the EMMS - Technical Specification - Gas Data Model - November 2025 evolving design.</p><p>Please send feedback to Contact Us. In the Details of your enquiry section, mention the EAS Knowledge Management team as the Resolver group.</p></div>

1.4 Release dates

Scheduled for implementation in:

- Pre-production: Tuesday 14 October 2025
- Production: Wednesday 19 November 2025

1.5 Projects and enhancements

Changes and enhancements for this Release include:

Functionality	Change	Affected interface	Reference
Gas Bulletin Board	Modified tables	File interface	Data Model
Gas Supply Hub	Modified tables	File interface	Data Model

1.6 Rule and procedure changes

N/A

1.7 Related technical specifications

N/A

1.8 Related documents

These guides and resources are updated according to this technical specification and published for the pre-production Release Date.

Title	Description	Status
Data Interchange Online Help	Help for participants using Data Interchange and the Data Model	Complete
Data Model Reports	Explains the packages, tables and reports in the Electricity and Gas Data Models	Not started

1.9 Approval to change

AEMO request approval to proceed from all participant change controllers. We deem the change approved if a response is not received within 15 business days by close of business Friday, 3 October 2025.

1.10 Market systems user group meetings

The Market Systems User Group (MSUG) is an industry user group established to discuss NEM wholesale and retail IT systems releases. Its purpose is to facilitate the continuing improvement of AEMO's IT systems by seeking feedback and collaboration from participants.

MSUG meetings are open to all interested parties, with invitations sent to all included on the distribution list. If you have a technical question for a project and want to attend the MSUG ask your company's support team to include your email address in their **AEMO Help Desk Bulletin (CRM)** distribution list.

1.11 Version numbers

AEMO releases new versions of this document as the technical requirements are streamlined.

Incremental version numbers such as 1.01, 2.01 and so on mean there is a minor change to the technical specification.

Major version numbers such as 1.00, 2.00 means there are substantial changes to the technical specification. Participants must carefully review these changes, detailed below.

1.12 Changes in this version

No changes, this is the initial version.

2 Proposed Timeline

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

Milestone	Date	Description
Approval required	Friday 3 October 2025	Final date for participant approval of this Release
Revised Technical Specification	Friday 17 October 2025	<p>AEMO releases new versions of this document as the technical requirements are streamlined. During the project this document is the source of truth</p> <p>From the production release, the technical specification becomes final and the related documents become the source of truth</p> <p>Technical Specification Portal</p>
Related Documents publication	Tuesday 14 October 2025	Release of guides and resources mentioned in Related on page 6
Next MSUG Meeting	Wednesday 15 October 2025	<p>Market Systems User Group Meeting (MSUG) to review the technical specification and ask AEMO technical SMEs questions</p> <p>This date is tentative. The Knowledge Management Team provides the invitation prior to the meeting</p>
Pre-production Data Model auto subscription	No auto-subscription for existing files	<p>For any existing files with modified or new tables, if participants are subscribed, AEMO moves them to the Legacy version</p> <p>For more details, see Data subscription on page 10</p>
Pre-production Data Model release	Tuesday 14 October 2025	Participant Data Model scripts released
Pre-production refresh	18 August 2025 – 5 September 2025	<p>Refresh of the pre-production system with data refreshed from the production system. An outage of up to five days can occur to the pre-production environment during this period. Participant access is not restricted, however, AEMO do not guarantee the pre-production data content or system availability. During the refresh, access to other AEMO systems such as AWEFS, EMMS, OPDMS, and STTM may be intermittently affected</p>

Proposed Timeline

Milestone	Date	Description
Pre-production implementation	Tuesday 14 October 2025	<p>AEMO implements components of the Release to pre-production for participant testing</p> <p>AEMO has full access to the system during this period</p> <p>Participant access is not restricted; however, the data content or system availability is not guaranteed</p>
Pre-production available	Tuesday 14 October 2025	Testing period begins for participants
Participant Testing	14 October 2025 - 19 November 2025	Unstructured participant testing in the pre-production environment
Production implementation	Wednesday 19 November 2025	AEMO implements the release to production
Production Data Model auto subscription	No auto-subscription for existing files	<p>For any existing files with modified or new tables, if participants are subscribed, AEMO moves them to the Legacy version</p> <p>For more details, see Data subscription on page 10</p>
Production Data Model release	Wednesday 19 November 2025	Participant Data Model scripts released
Production systems available	Wednesday 19 November 2025	Production systems available to participants

3 Participant Impact

Participants wanting to receive the new and updated Data Model information in their Data Interchange environments must upgrade to the latest version of the Gas Data Model 2.2.2.

3.1 Gas data model v2.2.2

Gas Data Model v2.2.2 is a minor data model release. For details about the minor data model release process, see [Minor data model release](#) in the Data Interchange Online Help.

3.2 Data subscription

3.2.1 Auto-subscription

Any newly registered and existing participants are auto-subscribed to any new files when they upgrade to the latest data model version. For any existing files with modified tables, the participants are moved to the legacy version of their subscribed files. Participants continue to receive columns as per legacy tables, and must subscribe manually to the latest versions once they have upgraded.

3.2.2 Legacy files

On the [Release Dates](#), AEMO moves participants subscribed to existing files to the Legacy version. After you have upgraded to v2.2.2, subscribe to the current files in Data Subscription and unsubscribe from the legacy files.



4 Gas Data Model 2.2.2



This Release contains an updated version of the Gas Data Model 2.2.2. This section describes the affected packages, tables, files, reports, and interfaces.

4.1 Data model changes summary

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4.2 Package: GAS_BB

Gas Bulletin Board market reports to provide participants with information on Gas Data.

4.2.1 Modified table: GAS_RESERVES_AND_RESOURCES

Comment	This table displays information about Field Reserves and Resources
Visibility	Public
Data volume	Medium
Trigger	Time trigger every 30 mins
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\GASBB\REPORTS\
Primary key (in order)	FIELDINTERESTID, EFFECTIVEDATE, VERSIONDATETIME
Project	BAU

Modified columns

Field name	Data type	Primary key	Comment
ECONOMICASSUMPTION	VARCHAR2(1000)	No	The key economic assumptions in the forecast case used to prepare the reserves and resources estimates and the source of the assumptions



4.3 Package: GAS_SUPPLY_HUB

Gas Supply Hub market reports to provide participants with information on their trades, prudential exposure, settlement runs, and registration details.

4.3.1 Modified table: GSH_SUPP_AUCTION_QUANTITIES

Comment	This table displays Details of Auction Quantities won used in Settlements
Visibility	Private
Data volume	Medium
Trigger	TBC
Participant file share location	TBC
Primary key (in order)	AUCTION_TRANSACTION_ID, PARTICIPANT_CODE, SETTLEMENT_RUN_ID
Project	GSH BAU

New columns

Field name	Data type	Primary key	Comment
SCHEDULED_QUANTITY	NUMBER(18,8)	No	Extra supporting data so participants can reconcile
MIN_REVISED_AUCTION_QUANTITY	NUMBER(18,8)	No	Extra supporting data so participants can reconcile



4.3.2 Modified table: GSH_SUPP_EXECUTED_TRADES

Comment	The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day.
Visibility	Private
Data volume	Medium
Trigger	TBC
Participant file share location	TBC
Primary key (in order)	GAS_DATE, PARTICIPANT_CODE, SETTLEMENT_RUN_ID, TRADE_ID
Project	GSH BAU

New columns

Field name	Data type	Primary key	Comment
LOW_PRESSURE_DISCOUNT_FLAG	NUMBER(1,0)	No	A flag to indicate low pressure discount



4.4 Participant interfaces changes

Package	Data model table	File ID	CSV report type	Change
GAS_BB	GAS_RESERVES_AND_RESOURCES	GASBB3_RESERVES_AND_RESOURCES	GASBB	Modified
GAS_SUPPLY_HUB	GSH_SUPP_AUCTION_QUANTITIES	GSH_SETTLEMENTS	GSH_SETTLEMENT	Modified
	GSH_SUPP_EXECUTED_TRADES	GSH_SETTLEMENTS	GSH_SETTLEMENT	Modified

4.5 File interface changes

Package	File ID	Description	Batcher file masks	Frequency	Change	Auto-subscription
GAS_BB	GASBB3_RESERVES_AND_RESOURCES	Gas Bulletin Board: GTM Changes 2022	*_GASBB3_RESERVES_AND_RESOURCES_*.CSV	30 minutes	Modified	No
GAS_SUPPLY_HUB	GSH_SETTLEMENTS	Gas Supply Hub Prudential Exposure Report	*_GSHSETTLEMENTS_*.CSV	TBC	Modified	No



4.6 Discontinued reports

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

Data model table	File ID	Delivered in file	CSV report type	Replaced by
None				

5 Reports

N/A

6 FAQs

Populated after the next MSUG.

7 Implementation

7.1 Transition

For details, see [Participant Impact](#).

7.2 Upgrading

You can upgrade your pre-production or production Data Model environments once you receive the Data Model scripts. Applying the scripts sets up the new Data Model structure on your local database. You receive the same data until the new versions of fields, files, and reports are released into pre-production or production and you update your subscriptions.

For help, see:

- [Upgrading your DI environments](#)
- [Updating your subscriptions](#)

7.3 Implications

To maintain systems in-line with AEMO's market systems, participants need to:

- Review and assess the impact on their market systems with respect to the changes implemented as part of this Release.
- Change their systems prior to the implementation of this Release.
- Schedule staff and resources to upgrade their market systems for the production implementation of this Release.

7.4 Risks

See [Participant Impact](#)

8 Terms

8.1 Rules Terms

You can find the following terms defined in the [National Gas Rules](#).

Term
AEMO
Gas Bulletin Board
Gas Supply Hub
Settlements

8.2 Glossary

You can find a full list of AEMO glossary terms in [Industry Terminology](#) on AEMO's website.

Abbreviation/Term	Explanation
AEST	Australian Eastern Standard Time
GBB	Gas Bulletin Board
GSH	Gas Supply Hub
Release	EMMS - Technical Specification - Gas Data Model - November 2025
Release Dates	Pre-production: Tuesday 14 October 2025 Production: Wednesday 19 November 2025
TBC	To be confirmed

9 References

Guide to AEMO's e-Hub APIs: Provides details about using AEMO's e-Hub as an interface to communicate information with AEMO. It assists Wholesale electricity and gas participants developing their own APIs.

9.1 Data interchange and data model resources

9.1.1 About

Information about setting up a Data Interchange environment: Data Interchange Help > [About Data Interchange](#).

9.1.2 Help

- [Data interchange online help](#)

9.1.3 Software

You can find Data Interchange software in the following locations:

- Data Interchange Help > [Software Releases](#).
- Releases directory on the participant file share: FTP to 146.178.211.2 > Data Interchange, pdrBatcher, pdrLoader, or pdrMonitor.

9.1.4 Reports

- Data Interchange Help > [Data Model Reports](#).

9.1.5 Releases

- Data Interchange Help > [Release Documents](#).

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A1. Version history

No version history, this is the initial draft release.