

Impact and Implementation Report (IIR) – April 2024 amendment to User Guide to MIBB reports



Impacted jurisdiction(s)	Victoria only		
Proponent	Luke Stevens	Company	AEMO
Affected Gas Market(s)	Declared Wholesale Gas Market (DWGM)	Consultation process (Ordinary or Expedited)	Ordinary
Industry Consultative forum(s) used	Gas Wholesale Consultative Forum (GWCF)	Date Industry Consultative forum(s) consultation concluded	14 February 2024
Short Description of change(s)	Implementation of the April 2024 amendment to the User Guide to MIBB Reports.		
Procedure(s) or Documentation impacted	User Guide to MIBB Reports		
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Date IIR published	14 February 2024	Date Consultation under 135EE or 135EF concludes	28 March 2024
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Impact and Implementation Report – Detailed Report Section

Critical Examination of Proposal

1. Description of issue

1.1. Background.

1.1.1. Why the change?

AEMO is currently replacing the DWGM Demand Forecasting System (DFS) which requires consequential changes to the MIBB Report INT126 DFS Data:

- (a) AEMO's replacement project is adopting and adapting the NEM and WEM DFS for use in the Victorian DWGM. As part of this project AEMO has a new weather data provider for the DWGM and is no longer able to re-publish the weather data to MIBB report INT126 DFS Data.
- (b) AEMO requested participant's views on whether this would be an issue in the GWCF meeting on 6 December 2023. Participant's responses indicated that AEMO ceasing to publish this forecast weather data would not cause any issues.

1.1.2. What is changing?

This change is to advise participants of the amendment of the User Guide to MIBB reports. The amendments to the User Guide include:

- INT126 DFS Data - Remove weather data from the MIBB report which will no longer be published following changes to AEMO's DWGM DFS which changes the weather data provider. This report change is effective from 15 April 2024.

1.1.3. Change Process

The User Guide to MIBB Reports is a Technical Document under the *electronic communication procedures*. The change process for the User Guide is defined in section 2.5 of the procedure and requires, unless the change is required for a Rule or Procedure change, that:

- (a) A draft User Guide to MIBB Reports is published for consultation on AEMO's website.
- (b) AEMO sends to the relevant Consultative Forum members a draft of the User Guide to MIBB Reports a minimum of 20 business days prior to implementation of the change.
- (c) The final User Guide to MIBB Reports is published.
- (d) The final User Guide is published a minimum of 10 business days prior to implementation of the change on the MIBB.

1.2. Reference documentation

The amendments to the User Guide to MIBB Reports, provided in Attachment A, are being consulted on as part of the change process required by section 2.5 of the *electronic communication procedures*.

2. Overview of changes

The changes to the User Guide to MIBB Reports are outlined in Attachment A of this document.

AEMO is currently replacing the DWGM DFS which requires consequential changes to the MIBB Report INT126 DFS Data, as discussed in section 1.1.1.

The change to the INT126 DFS Data report makes forecast weather data fields, previous day min, max temperature, overnight min temperature, average wind speed and sunshine minutes. These fields will contain NULL data from the effective date.

The amendments to these reports are also published in the latest DWGM Technical Specification in Attachment B.

3. Likely implementation requirements and effects

The impact of the changes to these MIBB reports:

- (a) INT126 DFS Data – The data fields, specified in section 2, will no longer be published.
 - (i) The data that will no longer be published in the report can be obtained by Market Participants from the Bureau of Meteorology.
 - (ii) AEMO requested participant’s views on whether this would be an issue in the GWCF meeting on 6 December 2023. Participant’s responses indicated that AEMO ceasing to publish this forecast weather data would not cause any issues.
 - (iii) Based on GWCF participant responses, AEMO does not consider this change will adversely impact participants.
- (b) As part of the consultation for distribution connected facilities and to extend the gas regulatory framework to accommodate renewable gases, AEMO published a Notice of Decision on 15 December 2023 to amend a number of Procedures, including version 16.0 of the User Guide to MIBB Reports with an expected effective date of “1 May 2024 (TBC)”.
- (c) Version 16.1 of the User Guide to MIBB Reports will be published on 15 April 2024 and, subject to this consultation, version 16.1 of the User Guide to MIBB Reports will note that the changes to INT126 DFS Data report will have an effective date of “15 April 2024”. The changes published in the Notice of Decision on 15 December 2023 (ie version 16.0) will have an expected effective date of “1 May 2024 (TBC)”.
 - (i) AEMO does not consider this change will adversely impact Distributors.

4. Supporting Documentation

The documents can be found in:

- Attachment A – Amendments to the User Guide to MIBB Report
- Attachment B – DWGM Technical Specifications
- Attachment C – Participant response template

5. Impact and Implementation Report – Recommendations

5.1. Should the proposed User Guide be made?

AEMO recommends that the amendments to the User Guide to MIBB Reports be made as published in Attachment A.

5.2. Proposed timelines

The amendments to the User Guide to MIBB Reports consultation dates are as follows:

- Draft User Guide to MIBB Reports published: 14 February 2024
- Participant submissions due: 14 March 2024
- Notice of Decision published: 28 March 2024
- Effective Date of Procedures: 15 April 2024

Attachment A. Amendments to the User Guide to MIBB Reports

Version changes:

As part of the consultation for distribution connected facilities and to extend the gas regulatory framework to accommodate renewable gases, AEMO published a Notice of Decision on 15 December 2023 to amend a number of Procedures, including version 16 of the User Guide to MIBB Reports with an expected effective date of “1 May 2024 (TBC)”.

Version 16.1 of the User Guide to MIBB Reports will be published on 15 April 2024 and, subject to this consultation, version 16 of the User Guide to MIBB Reports will note that the changes to INT126 DFS Data report will have an effective date of “15 April 2024”, and the changes published in the Notice of Decision on 15 December 2023 will have an expected effective date of “1 May 2024 (TBC)”.

Report changes:

The amendments to the User Guide to MIBB Reports are summarised below with additions in [BLUE](#) and deletions in [RED](#).

INT126 - DFS Data

Trigger Type	Event-triggered
Published	Production of nodal demand forecast
Audience	Public
Output File Name	int126_v[n]_dfs_data_[p]~yyyymmddhhmmss.csv

Report Purpose

~~This report specifies the weather forecast-related parameters that are used by AEMO in generating AEMO's demand forecast for a gas day. It can be used by interested parties to gain greater insight into AEMO's forecasting methodology.~~

~~Participants may use this data as a validation in their own forecasting methodologies, and also to validate AEMO's demand forecast where there has been a demand override in the scheduling process.~~

[This report provides AEMO's calculated effective temperature, effective degree day \(EDD\) and total system demand forecast \(representing system demand and site specific demand\) for the DWGM from AEMO's Demand Forecasting System \(DFS\). This data can be used to validate forecasting methodologies against AEMO's DFS. It is also used to validate AEMO's demand forecast where there has been a demand override in the scheduling process.](#)

Audience Notes

Not every demand generated by the AEMO DFS is used in the scheduling process. Participants should reference INT108 Schedule Run Log to determine the Demand Forecasts used for each schedule.

The INT108 forecast_demand_version identifies the forecast used by AEMO in generating a schedule.

Content Notes

This report contains data for:

- the current gas day
- 1-day ahead
- 2 days ahead
- the previous 7 days.

Each report therefore can contain data for up to 10 days.

Each row of the report contains data for one generated nodal forecast.

From 15 April 2024, AEMO has a new weather forecast data provider, so the following fields will be NULL:

- [previous_day_min](#)
- [max](#)
- [overnight_min](#)
- [average_wind_speed](#)
- [sunshine](#)

The following forecast data values are obtained from the Bureau of Meteorology (BOM):

- * ~~previous_day_min~~
- * ~~max~~
- * ~~overnight_min~~
- * ~~average_wind_speed~~
- * ~~sunshine~~

The following fields are calculated by the AEMO demand forecasting system (DFS) on the basis of the weather forecast data provided by the BOM:

- * ~~effective_temperature~~
- * ~~dfs_EDD~~
- * ~~total_demand_forecast~~

Data Content

Name	Data Type	No Nulls	Primary Key	CQ	Comments
dfs_version	integer .	True	True	N	Demand forecast version
gas_date	varchar 20.	True	True	N	Gas Day Date temperature data applies to (e.g. 30 Jun 2007)
last_update_datetime	varchar 8.	True	False	N	Time data obtained from BOM is and loaded into AEMO's database (e.g. 05:00:00)

Name	Data Type	No Nulls	Primary Key	CQ	Comments
previous_day_min	Numeric(4,1)	True False	False	N	Previous day over night minimum temperature This value is NULL from 15 April 2024
max	Numeric(4,1)	True False	False	N	Maximum temperature for day This value is NULL from 15 April 2024
overnight_min	Numeric(4,1)	True False	False	N	Overnight minimum temperature This value is NULL from 15 April 2024
average_wind_speed	Numeric(4,1)	True False	False	N	Average wind speed (knots) This value is NULL from 15 April 2024
sunshine	integer .	True False	False	N	Hours of sunshine This value is NULL from 15 April 2024
effective_temperature	Numeric(3,1)	True	False	Y	Effective temperature calculated by AEMO's Demand Forecasting System (DFS)
dfs_edd	Numeric(3,1)	True	False	Y	EDD calculated by the AEMO's Demand Forecasting System (DFS)
total_demand_forecast	integer .	True	False	Y	AEMO's total daily demand forecast including site specific forecasts for the gas date calculated by AEMO's Demand Forecasting System (DFS)
current_date	varchar 20.	True	False	N	Date and Time report produced e.g. 30 June 2005 1:23:56

Attachment B. DWGM Technical Specifications

The amendments to the *electronic communication procedure*, with an expected effective date of 1 May 2024, has proposed that changes to the User Guide to MIBB Reports will be performed via AEMO releasing updates to the DWGM Technical Specifications, periodically published as part of the project.

These DWGM Technical Specifications can be found on AEMO's webpage: [IT change and release management](#) under the heading “Gas Markets and Systems” under the “Declared Wholesale Gas Market (DWGM)” heading.

This will be the primary communication forum for DWGM IT releases in future. These changes notifications are sent to Gas Wholesale Consultative Forum contacts along with Gas IT Development Forum contacts. The DWGM Technical Specification for this IT change can be found on the link: [DWGM Technical Specification](#).

This document will be updated from time to time.

Attachment C. Participant response template

The 'Participant response template' has been attached separately to this document to allow participant to provide feedback on the User Guide to MIBB Report changes.

Anyone wanting to make a submission for this consultation are requested to use the participant response template attached. Submissions are due **COB 14 March 2024** and should be e-mailed to GWCF_Correspondence@aemo.com.au.