

Registration Release 2 (WEMS 4.0-1571-2)

Release Notes

July 2023





Important notice

PURPOSE

The Australian Energy Market Operator has prepared this document to provide information about Registration Release 2 (WEMS 4.0-1571-2) as at the date of publication.

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Version control

Version	Release date	Changes
1.0	11/07/2023	Initial publication for release 2 in Pre-Production environment

Document approval

Name	Position	Date
Rick Dolling	Manager, WA Market Operations & Operational Support	26/07/2023



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1 Introduction

1.1 Overview

These are the release notes for Registration Release 2 (WEMS 4.0-1571-2). This WEMS release includes the changes to the registration system, including:

- Amendment to a Registration(SCED) user interface screen: The Standing Data form for Non-Dispatchable Loads had two data fields which incorrectly stated "MW" when it should have been "MWh per Trading Interval". This has been rectified.
- Inclusion of units in Hz per 500ms for RoCoF Ride-Through Capability field
- Data migration to populate Market Participant Standing Data field

The purpose of these release notes is to outline the specific changes to the external functionality, as outlined above.

1.2 Supporting documentation

The following documents should be read in conjunction with these release notes:

- WEMS MPI Guide (link [here](#))
- WEMS Registration Technical Guide (link [here](#))

More information about the WEM Reform Program is available at AEMO's public website (link [here](#)) and AEMO's SharePoint (Reformer) [here](#). If you cannot access AEMO's SharePoint (Reformer), please email wa.ets@aemo.com.au to apply for access.

1.3 Version Summary

The changes in versions post deployment of this release are summarised in Table 1.

Table 1 Version summary

Application	Current version	New version
WEMS	WEMS 4.0-1571-1	WEMS 4.0-1571-2



1.4 Terms and Abbreviations

The terms and abbreviations used in this document are outlined in Table 2.

Table 2 Terms and abbreviations

Abbreviation	Expanded name
AEMO	Australian Energy Market Operator
MP	Market Participant
MPI	Market Participant Interface
SCED	Security Constrained Economic Dispatch
WEMS	Wholesale Electricity Market System



2 Amended descriptions for Standing Data fields for a Non-Dispatchable Load

AEMO has identified a manifest error in the units specified in the Registration (SCED) Standing Data form for Non-Dispatchable Loads. The below fields incorrectly state "MW" when it should be "MWh per Trading Interval".

- For each metering point identified in Appendix 1(g)i, the maximum allowed level of Intermittent Load, in **MW** [Appendix 1(g)ii.]
- For each metering point identified in Appendix 1(g)i, the maximum level of net consumption at that meter which is not separately metered and which is not Intermittent Load, in **MW** [Appendix 1(g)iii.]

Release 2 has amended the units to "MWh per Trading Interval" in the Registration (SCED) Standing Data form for Non-Dispatchable Loads for the following fields, as seen in Figure 1.

- For each metering point identified in Appendix 1(g)i, the maximum allowed level of Intermittent Load, in **MWh per Trading Interval** [Appendix 1(g)ii.]
- For each metering point identified in Appendix 1(g)i, the maximum level of net consumption at that meter which is not separately metered and which is not Intermittent Load, in **MWh per Trading Interval** [Appendix 1(g)iii.]

The Registration (SCED) Standing Data form is accessible by navigating on the main menu in WEM MPI through > Registration (SCED) > Facility > selecting a Non-Dispatchable Load in the Facility Summary Table > Standing Data.

AEMO has notified all Market Participants who have submitted provisional or final Standing Data for Non-Dispatchable Loads to ensure the values submitted for the above fields reflect "MWh per Trading Interval" for those fields.

Figure 1 Amended descriptions for Standing Data fields

The screenshot shows a web form titled "Facility Standing Data" with a sub-section for "Non-Dispatchable Load". Underneath, there are fields for "Facility Name" and "Intermittent Load Status". A section titled "Intermittent Load Standing Data" contains three paragraphs of text. The first paragraph is followed by a line of text: "For each metering point identified in Appendix 1(g)i, the maximum allowed level of Intermittent Load, in **MWh per Trading Interval** [Appendix 1(g)ii.]", where "MWh per Trading Interval" is highlighted with a red box. The second paragraph is followed by a line of text: "For each metering point identified in Appendix 1(g)i, the maximum level of net consumption at that meter which is not separately metered and which is not Intermittent Load, in **MWh per Trading Interval** [Appendix 1(g)iii.]", where "MWh per Trading Interval" is highlighted with a red box. The third paragraph is followed by a line of text: "For each metering point identified in Appendix 1(g)i, the separately metered Energy Producing Systems and Loads behind that meter which are not to be included in the definition of that Intermittent Load [Appendix 1(g)iv.]".

3 Inclusion of units in Hz per 500ms for RoCoF Ride-Through Capability field

AEMO has included the units of Hz per 500ms for RoCoF Ride-Through Capability in the Standing Data form for the respective Facility Classes or Facility types below, as seen as Figure 2:

- Scheduled Facility
- Semi-Scheduled Facility
- Non-Scheduled Facility; and
- Non-Dispatchable Load

Figure 2 Inclusion of units in Hz per 500ms for RoCoF Ride-Through Capability field

FCESS & ROCOF Ride-Through Capability
Data Field
RoCoF Ride-Through Capability of the Facility expressed in Hz per 500ms, as determined by AEMO [Appendix 1(i).]

4 Data migration to populate Market Participant Standing Data field

AEMO has implemented data migration for the Market Participant Standing Data value as required under Appendix 1(a) as seen in Figure 3 below. i.e. Rolling over equivalent values for each Market Participant from the Balancing Market that was provided under Appendix 1.(f).iii. as seen in Figure 4 below.

The Market Participant Standing Data value is required under Appendix 1(a) and sets a Market Participant's STEM Portfolio Demand Curve as per Appendix 6 of the Post-Amended Rules.

The data migration will only apply to those Market Participants who have not submitted Market Participant Standing Data in the Registration (SCED) Interface and outcomes of the data migration are:

- If a MP was a Market Customer, then migrate the equivalent value used under Market Customer Standing Data under Appendix 1.(g).iii.
- If a MP was a Market Generator only, then AEMO will implement a value of zero MWh, as Market Customer Standing Data under Appendix 1.(g).iii was not applicable.
- If a MP was a Network and Ancillary Service Provider, then no data migration is applied.
- If a MP has submitted Market Participant Standing Data in Registration (SCED) Interface, then no change is applied to their existing value approved.

Please note, if a Market Participant has submitted (received or approved status) Market Participant Standing Data since Registration (SCED) Interface was deployed on 3 July 2023, AEMO will not be amending their values in Registration (SCED), as AEMO acknowledges that those Market Participants have submitted more recent values than those historically approved in Registration (Balancing) interface.

Market Participants are required to review their respective Market Participant Standing Data by 25 August 2023 for those who have not submitted Market Participant Standing Data to ensure the value migrated is appropriate for STEM in the new Market.

Figure 3 – Registration (SCED) interface in the Market Participant Standing Data form that will have data migration applied

The screenshot shows a 'Change Request' form with the following details:

- Request Type:** MP STANDING DATA
- Proposed Effective Date:** 27/07/2023
- Market Participant Details:**

Data Field	New Effective Data
For each Market Participant, the maximum Loss Factor adjusted quantity of energy, in units of MWh, that could be consumed during a Trading Interval by the Market Participant's Registered Facilities and Non-Dispatchable Loads [Appendix 1(a)] *	<input type="text"/>

Figure 4 – Market Customer Standing Data field in Registration (Balancing) interface which is equivalent field

The screenshot shows the 'Market Customer Standing Data' form with the following details:

- Market Customer Details:**

Total Nominated Consumption Quantity (Appendix 1.(f).iii)	0
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5 Market Participant testing activities

Please note that AEMO will not actively monitor the WEMS Market Trial Environment for mock (test) registration applications. If Rule Participants make a mock (test) registration application, please email wa.operations@aemo.com.au, subject line "Registration Data Update in MKT Environment". AEMO will endeavour to action the email within 3 business days.