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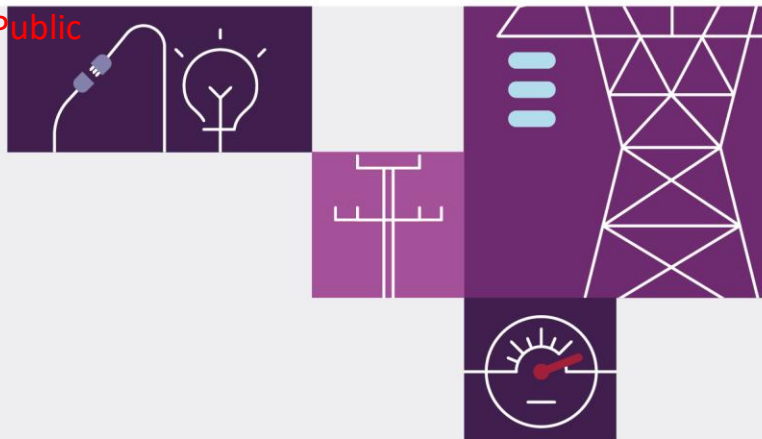


Release Notes: WEM Dispatch Engine 4.0.0

September 2026



Public



Important notice

Purpose

The Australian Energy Market Operator has prepared this document to provide information about the WEM Dispatch Engine release as at the date of publication.

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Document version control

Version	Release date	Changes
1.0	26/08/2026	Initial Issue

Document approval

Name	Position	Date
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1 Introduction

1.1 Overview

These are the release notes for the WEM Dispatch Engine 4.0.0 release. This release primarily relates to the Demand Side Programme (DSP) Participation project, to implement system changes required under the Electricity System and Market Amendment (Tranche 9) Rules 2025¹, commencing on 1 October 2026 (part of the Reserve Capacity Mechanism [RCM] Review).

See **Table 3** for a summary of changes for this release.

Please contact the WA Real-Time Market Monitoring team (wa.rtm@aemo.com.au) for any queries regarding this release.

1.2 Terms and abbreviations

The terms and abbreviations used in this document are outlined in **Table 1**.

Table 1 Terms and abbreviations

Abbreviation	Expanded name
DSP	Demand Side Programme
ESM Rules	Electricity System and Market Rules
RCM	Reserve Capacity Mechanism
RTMS	Real-Time Market Submission
WEMDE	WEM Dispatch Engine
WEMDE-UI	WEM Dispatch Engine User Interface

¹ See <https://www.wa.gov.au/government/announcements/electricity-system-and-market-amendment-tranche-9-rules-2025>.

2 DSP Participation project – DSP Dispatch

This release includes changes related to the DSP Participation project, driven by the expected increase in the number of DSP Facilities holding Capacity Credits from 1 October 2026, and outcomes of the RCM Review. At a high level, this involves switching to an automated DSP dispatch solution to replace the existing manual solution, to simplify dispatch of multiple DSP Facilities (under clause 7.6.5B of the ESM Rules) and improve the ease of market participation for DSP aggregators comprising many small distributed loads.

Most of the project changes are internal to AEMO, however, there are consequential changes to how data is provided to and by Market Participants, including:

- changes to DSP RTMS specifications², and
- changes to the returned format for the external DSP APIs (see **Table 2**).

Further information on the changes to the external DSP APIs was presented in the 21 May 2026 WA Reform Implementation Group (WRIG) meeting³, and the 22 May 2026 Industry Testing Forum (ITF)⁴. Please refer to these documents for detailed specifications.

2.1 Changes to the DSP dispatch endpoints

The existing DSP dispatch endpoints⁵ will be updated (see **Table 2** below) and incremented to version 2 (v2).

Table 2 DSP dispatch endpoint changes

Endpoint	Changes
GET /DSPDispatchInstructions and GET /DSPDispatchInstructionParticipantWise	• withdrawalQuantity field renamed to reductionQuantity. • Object flattened to include issuedTime field in the DSPDispatchInstructionsData object.
GET /preDispatchData and GET /weekAheadDispatchData	• unconstrainedWithdrawalQuantity field renamed to unconstrainedQuantity. • constrainedWithdrawalQuantity field renamed to constrainedQuantity.
PUT /dispatchInstructionAck/{dispatchInstructionId}	• GUID DispatchInstructionID type changed to bigint. • Note that this endpoint will be the primary mechanism for acknowledging DSP Dispatch Instructions from 1 October 2026. The existing Dispatch Instructions Acknowledgement List screen within WEMDE-UI will also be updated based on the endpoint changes, to allow participants to view and acknowledge DSP Dispatch Instructions via the UI.

² See the RTMS 2.4 release notes at <https://www.aemo.com.au/energy-systems/market-it-systems/it-change-and-release-management>.

³ See the WRIG slides at <https://aemocloud.sharepoint.com/sites/EXT-COM-REF/SitePages/WRIG-Meeting---21-May-2026.aspx?d=w39dd6874ad3b459299a7605911abab17&csf=1&web=1&e=D9BDVr&CID=8110d1ff-87b5-4fce-a32d-766075553fac>.

⁴ See the ITF slides at <https://aemocloud.sharepoint.com/sites/EXT-COM-REF/SitePages/ITF-Meeting---22-May-2026.aspx>.

⁵ For information on the existing DSP APIs, see <https://dev.aemo.com.au/WEM-Demand-Side-Programmes-v1-API>.

3 Summary of updates and bug fixes

The following updates and bug fixes have been introduced in this release.

Table 3 Release Items

Scope Item	Status	Summary
WEMDE / WEMDE-UI	●	Changes related to the DSP Participation project (see Section 2), to simplify the dispatch of DSP Facilities.
WEMDE	●	Optimisation of the SQL query underlying the /api/v1/DispatchSolution/dispatchData endpoint to reduce the occurrences of API timeouts.
WEMDE	●	Fix applied to the /api/v1/dispatchSolution/dispatchDataOutcomes endpoint which was not returning data for the fcessMarketClearingPriceCeilings category if selected.
WEMDE-UI	●	Update to the scheduled publishing of Case Input Data Files to AEMO's Public Data Site (PDS), to remove the 1-day delay (these files are now available following the end of a given Trading Day).
WEMDE	●	Improved error logging for missing forecast DPV estimate data and added validations for SCADA point mappings. These changes are expected to reduce the occurrences of incorrect data being used in forecast intervals and reduce instances of failed WEMDE runs respectively.
WEMDE / WEMDE-UI	●	Several minor updates and bug fixes.

Table 4 Status Legend

Status
● Internal AEMO changes. No impact to Market Participants.
● Additional functionality. Market Participants awareness only.
● Change to Market Participant functionality. Needs Market Participant attention.