WEM Procedure: Identification of Affected Dispatch Intervals

Prepared by:	AEMO
Document ref:	N/A
Version:	2.0
Effective date:	22 September 2025
Status:	FINAL

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Version Release History

Version	Effective Date	Summary of Changes
1.0	1 October 2023	First version developed in accordance with clause 7.11C.1 of the WEM Rules
2.0	22 September 2025	WEM Procedure amended in accordance with AEPC_2025_07

IMPORTANT NOTICE – EXPLANATORY NOTES

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1. Introduction

1.1. Purpose and scope

1.1.1. This WEM Procedure: Identification of Affected Dispatch Intervals (Procedure) is made in accordance with AEMO's functions under clause 2.1A.2(h) of the Electricity System and Market Rules (ESM Rules).

1.1.2. The Electricity Industry Act 2004 (WA), the ESM Regulations and the ESM Rules prevail over this Procedure to the extent of any inconsistency.

1.1.3. In this Procedure, where obligations are conferred on a Rule Participant, that Rule Participant must comply with the relevant obligations in accordance with clause 2.9.7A, 2.9.7D or 2.9.8 of the ESM Rules, as applicable.

1.1.4. The purpose of this Procedure is to document:

(a) the conditions or circumstances that would identify a Dispatch Interval as an Affected Dispatch Interval;

(b) the conditions and circumstances that would require AEMO to determine a replacement Market Schedule under clause 7.11B.1B(bA); and

(c) the process AEMO must follow to determine a replacement Market Schedule under clause 7.11B.1B(bA) **[Clause 7.11C.1]**.

1.1.5. Appendix A of this Procedure outlines the head of power clause that this Procedure is made under, as well as other obligations in the ESM Rules covered by this Procedure.

1.2. Definitions

1.2.1. Terms defined in the *Electricity Industry Act 2004* (WA), the ESM Regulations and the ESM Rules have the same meanings in this Procedure unless the context requires otherwise.

1.2.2. The following definitions apply in this Procedure unless the context requires otherwise.

Table 1   Definitions

Term	Definition
Case File	A JSON file designed to include a complete collection of data consumed by the Dispatch Algorithm (including Dispatch Inputs), required to solve for the Real-Time Market and produce dispatch outcomes.
Energy Price Materiality Threshold	Defined as 0.1% of the difference between the applicable Energy Offer Price Floor and Energy Offer Price Ceiling.
FCESS Price Materiality Threshold	Defined as 0.1% of the applicable FCESS Clearing Price Ceiling.
Forecast Deviation Quantity	The aggregated absolute difference between the five-minute forecast Market Clearing Prices and the published final Market Clearing Prices for a Dispatch Interval.

1.3. Interpretation

1.3.1. The following principles of interpretation apply in this Procedure unless the context requires otherwise.

(a)   Clauses 1.3 to 1.5 of the ESM Rules apply in this Procedure.

(b)   References to time are references to Western Standard Time.

(c)   Terms that are capitalised, but not defined in this Procedure, have the meaning given in the ESM Rules.

(d)   A reference to the ESM Rules or WEM Procedures includes any associated forms required or contemplated by the ESM Rules or WEM Procedures.

(e)   Words expressed in the singular include the plural and vice versa.

(f)   A reference to a paragraph refers to a paragraph of this Procedure.

(g)   A reference to an appendix refers to an appendix of this Procedure.

(h)   A reference to a clause refers to a clause or section of the ESM Rules.

(i)   References to WEM Rules in this Procedure in bold and square brackets **[Clause XXX]** are included for convenience only, and do not form part of this Procedure.

(j)   Text located in boxes and headed as **E[X]** in this Procedure is included by way of explanation only and does not form part of this Procedure. The Procedure prevails to the extent of any inconsistency with the explanatory notes contained within it.

(k)   The body of this Procedure prevails to the extent of any inconsistency with the figures, diagrams, appendices, schedules, annexures or attachments contained within this document.

1.3.2.   This Procedure must be read in conjunction with the ESM Rules relevant to this WEM Procedure, noting that in many cases the ESM Rules provide descriptive processes, timeframes and other obligations that are not duplicated in AEMO's WEM Procedures.

1.3.3.   Timelines contemplated under clause 7.11C.2 apply with respect to processes documented in this Procedure.

1.4. Related documents

1.4.1.   The documents in Table 2 are associated with this Procedure.

Table 2   Related documents

Reference	Title	Location
WEM Procedure	WEM Procedure: Dispatch Algorithm Formulation	WEM Website
WEM Procedure	WEM Procedure: Determination of Market Schedules	WEM Website

2. Monitoring of Dispatch Inputs and Identification of an Affected Dispatch Interval

2.1.1. For the purposes of monitoring conditions or circumstances that may identify an Affected Dispatch Interval, AEMO:

(a) will manually review Dispatch Inputs for the five Dispatch Intervals in each Trading Day that have the greatest Forecast Deviation Quantity and identify potentially manifestly incorrect data; and

(b) may:

(i) undertake monitoring of Dispatch Inputs that have been previously manifestly incorrect and have resulted in a Dispatch Interval being classified as an Affected Dispatch Interval; and

(ii) implement automated monitoring of Dispatch Inputs, known to carry a greater risk of error, in order to identify significant variations.

> ### E[A] Identification of Affected Dispatch Intervals
>
> Affected Dispatch Intervals are largely identified through operational processes and routine analysis of Market Schedules. Operational processes that may identify an Affected Dispatch Interval include, but are not limited to:
>
> - Software tools that flag significant deviations in high-risk Dispatch Inputs, including discrepancies between the Primary Dispatch Interval and the 5-minute forecast.
> - Continuous monitoring of high-risk and previously manifestly incorrect Dispatch Inputs, with targeted reviews informed by operational awareness such as daily stand-up meetings and real-time observations of market and system conditions.
> - Structured daily assessments of intervals exhibiting volatile price outcomes, including price spikes or negative pricing.
> - Comparative analysis of SCADA data, Real-Time Market Submissions, and dispatch outcomes to identify inconsistencies, such as mismatches between sent-out generation and scheduled dispatch quantities.
> - Post-event reviews of Dispatch Inputs following significant market occurrences, such as generator trips and AEMO Intervention Events.
>
> AEMO's manual review of Dispatch Inputs in accordance with paragraph 2.1.1(a) should identify the majority of Affected Dispatch Intervals that have not been identified through normal operational processes. This review is required to be manual (although is supported by automated processes) due to the complexity with regards to identifying the manifestly incorrect data.
>
> Where Dispatch Inputs have been identified as repeatedly manifestly incorrect (generally more than twice) or, in AEMO's opinion, carry greater risk of being incorrect, AEMO may monitor these Dispatch Inputs under paragraph 2.1.1(b) to assist with identifying additional Affected Dispatch Intervals that have not be identified through operational processes or analysis under paragraphs 2.1.1(a).

2.1.2. Where AEMO has identified, via the processes under paragraph 2.1.1 or via other operational processes, that manifestly incorrect data was used as a Dispatch Input by the Dispatch Algorithm for a Dispatch Interval, and one or more of the Market Clearing Prices varies from a replacement Market Schedule identified under clause 7.11B.1B by more than the Energy Price Materiality Threshold or FCESS Price Materiality Threshold, AEMO will determine that Dispatch Interval as an Affected Dispatch Interval.

2.1.3. Where AEMO has identified, via the processes under paragraph 2.1.1, or through operational processes, that manifestly incorrect data has been used as a Dispatch Input by the Dispatch Algorithm for a

Dispatch Interval and it is unable to determine the variation of the Market Clearing Prices in accordance with paragraph 2.1.2, but reasonably considers the manifestly incorrect data has caused a material difference in Market Clearing Prices, AEMO will determine that Dispatch Interval as an Affected Dispatch Interval.

2.1.4.   AEMO will not consider any data replaced or substituted in accordance with WEM Procedure: Determination of Market Schedules to be manifestly incorrect data.

3.   Determining a Replacement Market Schedule under clause 7.11B.1B

3.1.   Determining a Replacement Schedule under clause 7.11B.1B

3.1.1.   Where AEMO has determined a Dispatch Interval as an Affected Dispatch Interval under paragraphs 2.1.2 or 2.1.3, AEMO will identify a replacement Market Schedule containing the Dispatch Interval in accordance with clause 7.11B.1B.

3.2.   Determining a Replacement Schedule under clause 7.11B.1B(bA)

3.2.1.   Clause 7.11B.1B(bA) outlines the conditions and circumstances that would require AEMO to determine a replacement Market Schedule if AEMO is unable to identify a Market Schedule under clauses 7.11B.1B(a) or 7.11B.1B(b).

3.2.2.   In identifying a replacement Market Schedule in accordance with clause 7.11B.1B(bA), AEMO must correct the manifestly incorrect Dispatch Inputs using any information available to it and re-run the Case File using the Dispatch Algorithm to determine a replacement Market Schedule.

Appendix A. Relevant clauses of the ESM Rules

Table 3 details:

(a)   the head of power clauses in the ESM Rules under which the Procedure has been developed; and

(b)   each clause in the ESM Rules requiring an obligation, process or requirement be documented in a WEM Procedure, where the obligation, process or requirement has been documented in this Procedure.

Table 3   Relevant clauses of the ESM Rules

Clause
7.11C.1