



# WEM Procedure: Real Time Market Timetable

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# Version Release History

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0.1		First version developed in accordance with clause 7.1.2(a) of the WEM Rules.

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# 1. Introduction

## 1.1. Purpose and scope

- 1.1.1. This WEM Procedure: Real-Time Market Timetable (Procedure) is made in accordance with AEMO's functions under clause 2.1A.2(h) of the Wholesale Electricity Market Rules (WEM Rules).
- 1.1.2. The *Electricity Industry Act 2004* (WA), the WEM Regulations and the WEM 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 WEM Rules, as applicable.
- 1.1.4. The purpose of this Procedure is to document the Real-Time Market Timetable in accordance with clause 7.1.2 of the WEM Rules.
- 1.1.5. Appendix A of this Procedure outlines the head of power clauses that this Procedure is made under, as well as other obligations in the WEM Rules covered by this Procedure.

## 1.2. Definitions

- 1.2.1. Terms defined in the *Electricity Industry Act 2004* (WA), the WEM Regulations and the WEM 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
Application Programming Interface (API)	A software interface that allows applications to interact with each other.
Supervisory Control and Data Acquisition (SCADA)	A system that is used to monitor and control field device(s) at remote locations

## 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 WEM Rules apply in this Procedure.
  - (b) References to time are references to Australian Western Standard Time.
  - (c) Terms that are capitalised, but not defined in this Procedure, have the meaning given in the WEM Rules.
  - (d) A reference to the WEM Rules or WEM Procedures includes any associated forms required or contemplated by the WEM 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 a clause refers to a clause or section of the WEM Rules.
- (h) 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.
- (i) Text located in boxes and headed as Explanatory Note 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.
- (j) 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.

## 1.4. Related documents

1.4.1. The documents in Table 1 are associated with this Procedure.

**Table 2** Related documents

Reference	Title	Location
WEM Procedure	WEM Procedure: WEM Submissions	WEM Website
WEM Procedure	WEM Procedure: Facility Dispatch Process	WEM Website

## 2. Timelines for Real-Time Market Submissions and the production of dispatch data

### 2.1. Real-Time Market Submissions

- 2.1.1. A Real-Time Market Submission may be made for any Dispatch Interval where the effective date is before the Real-Time Market Submission Acceptance Horizon, and where the process of solving the Dispatch Algorithm for that Dispatch Interval for the purposes of Central Dispatch has not yet commenced.
- 2.1.2. A DSP Withdrawal Profile Submission may be made for any Dispatch Interval where the effective date is before the Real-Time Market Submission Acceptance Horizon, and where the process of solving of the Dispatch Algorithm for that Dispatch Interval for the purposes of Central Dispatch has not yet commenced.

### 2.2. Market Clearing Prices, Dispatch Targets, Dispatch Caps, and Essential System Service Enablement Quantities

- 2.2.1. During each Dispatch Interval, AEMO must calculate, and make available to Market Participants, Market Clearing Prices for each Dispatch Interval in the Dispatch Schedule, which includes the next Dispatch Interval, within five minutes of determining that Dispatch Schedule.
- 2.2.2. During each Dispatch Interval, AEMO must calculate, and publish to the WEM Website, Market Clearing Prices for each Dispatch Interval in the Dispatch Schedule, which includes the next Dispatch Interval, within 30 minutes of determining that Dispatch Schedule.
- 2.2.3. For Registered Facilities that have the capability to receive Dispatch Targets, Dispatch Caps, or Essential System Service Enablement Quantities via SCADA, during a Dispatch Interval, AEMO will calculate Dispatch Targets, Dispatch Caps, and Essential System Service Enablement Quantities for the next Dispatch Interval and send those Dispatch Targets, Dispatch Caps, and Essential System Service Enablement Quantities to the SCADA system within 30 seconds of determining the Dispatch Target, Dispatch Cap, or Essential System Service Enablement Quantity.
- 2.2.4. Within 30 seconds of determining Dispatch Targets, Dispatch Caps, or Essential System Service Enablement Quantities, AEMO will make those Dispatch Targets, Dispatch Caps, and Essential System Service Enablement Quantities available via API, as documented in the WEM Procedure: Facility Dispatch Process.
- 2.2.5. AEMO will publish Dispatch Targets, Dispatch Caps, or Essential System Service Enablement Quantities for all Registered Facilities for a Dispatch Interval to the WEM Website within 30 minutes of their determination.

## 2.3. Dispatch Schedule

- 2.3.1. AEMO will calculate a Dispatch Schedule and make data associated with this Dispatch Schedule available to Market Participants within five minutes of the completion of the Dispatch Algorithm instance used to calculate this data, except where AEMO is required to make this data available sooner under this Procedure.
- 2.3.2. AEMO will publish data associated with a Dispatch Schedule to the WEM Website within 30 minutes of the completion of the Dispatch Algorithm instance used to calculate this data, except where AEMO is required to make this data available sooner under this Procedure.

## 2.4. Pre-Dispatch Schedule and DSP Pre-Dispatch Schedule

- 2.4.1. AEMO will calculate a Pre-Dispatch Schedule and make data associated with this Pre-Dispatch Schedule available to Market Participants within 30 minutes of the completion of the instance of the Dispatch Algorithm used to calculate this data.
- 2.4.2. AEMO will calculate a DSP Pre-Dispatch Schedule and make data associated with this DSP Pre-Dispatch Schedule, outlined in clause 7.8A.1, available to Market Participants within 30 minutes of the calculation of that DSP Pre-Dispatch Schedule.
- 2.4.3. AEMO will publish data associated with a Pre-Dispatch Schedule to the WEM Website within 30 minutes of the completion of the Dispatch Algorithm used to calculate this data, except where AEMO is required to make this data available sooner under this Procedure.
- 2.4.4. AEMO will publish data associated with a DSP Pre-Dispatch Schedule to the WEM Website within 30 minutes of the calculation of that DSP Pre-Dispatch Schedule.

## 2.5. Week-Ahead Schedule and DSP Week-Ahead Schedule

- 2.5.1. AEMO will calculate a Week-Ahead Schedule and make data associated with that Week-Ahead Schedule available to Market Participants within 120 minutes of the completion of the Dispatch Algorithm instance used to calculate this data.
- 2.5.2. AEMO will calculate a DSP Week-Ahead Schedule and make data associated with that DSP Week-Ahead Schedule, outlined in clause 7.8A.1, available to Market Participants within 120 minutes of the calculation of that DSP Week-Ahead Schedule.
- 2.5.3. AEMO will publish data associated with a Week-Ahead Schedule to the WEM Website within 120 minutes of the completion of the Dispatch Algorithm instance used to calculate this data, except where AEMO is required to make this data available sooner under this Procedure.
- 2.5.4. AEMO will publish data associated with a DSP Week-Ahead Schedule to the WEM Website within 120 minutes of the calculation of that DSP Pre-Dispatch Schedule.

## Appendix A. Relevant clauses of the WEM Rules

Table 3 details:

- (a) the head of power clauses in the WEM Rules under which the Procedure has been developed; and
- (b) each clause in the WEM 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 WEM Rules**

Clause
7.1.2(a)
7.1.3(a)(i)
7.1.3(a)(ii)
7.1.3(a)(iii)
7.1.3(a)(iv)
7.1.3(a)(v)
7.1.3(a)(vi)
7.1.3(a)(vii)
7.1.3(a)(viii)

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