WEM Procedure: Dispatch Settlement and Monitoring Data

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0.1		First version developed in accordance with clause 7.13.3 and clause 7.13.8 of the WEM Rules

Contents

Tables

1. Introduction

1.1. Purpose and scope

1.1.1. This WEM Procedure: Dispatch Settlement and Monitoring Data (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:

(a) document the procedure to be followed by Rule Participants in providing settlement and monitoring data to AEMO **[clause 7.13.3]**; and

(b) specify:

(i) the methods that AEMO will use to determine estimates under clause 7.13.6 **[clause 7.13.8(a)]**;

(ii) the process of revising an estimate under clause 7.13.7 **[clause 7.13.8(b)]**; and

(iii) the information that a Market Participant must provide to AEMO for each of the Market Participant's Registered Facilities to support the preparation of estimates under clauses 7.13.6 and 7.13.7 **[clause 7.13.8(c)]**.

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
Candidate Facility	As defined in Appendix 9 of the WEM Rules.
Settlement and Monitoring Data	Any data that AEMO makes available under clause 7.13.
SCADA	Supervisory Control and Data Acquisition (SCADA) is a system that is used to monitor and control field device(s) at remote locations.
Operational Data Point	A data object referring to a single input or output value, monitored by a SCADA system or other appropriate communication mechanism, encompassing the "SCADA data points" referred to in the WEM Procedure: Communications and Control Systems (see related documents in section 1.4).

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 an appendix refers to an appendix of this Procedure.

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

1.4. Related documents

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

Table 2   Related documents

Reference	Title	Location
Technical specification	Technical Specification: Operational Data Points for Registered Facilities	WEM Website
WEM Procedure	WEM Procedure: Communications and Control Systems	WEM Website

1.5. Communications and provision of information

1.5.1.   All communication and provision of information by a Market Participant to AEMO under this Procedure must be undertaken via methods outlined in the WEM Procedure: Communications and Control Systems, unless otherwise specified in this Procedure.

1.5.2.   All communication and provision of information by AEMO to a Market Participant under this Procedure will be undertaken via email, unless otherwise specified in this Procedure.

2. Estimates for constrained Intermittent Generating Systems and Non-Scheduled Facilities

2.1.1. Where AEMO issues a Dispatch Cap to a Registered Facility containing an Intermittent Generating System or issues a direction to curtail to a Non-Scheduled Facility, AEMO will produce an estimate for the purposes of clause 7.13.6, using one of the following methods:

(a) a predictive algorithm provided to AEMO via email by the Market Participant, providing an assessment of the Intermittent Generating System's or Non-Scheduled Facility's sent-out MWh quantity from relevant independent variables, including those listed in paragraph 2.1.4 over the Dispatch Interval;

(b) a predictive algorithm developed by AEMO, providing an assessment of the Intermittent Generating System's or Non-Scheduled Facility's sent-out MWh quantity from relevant independent variables over the Dispatch Interval;

(c) where relevant, an assessment by AEMO based on output of the Non-Scheduled Generator in any past Dispatch Interval under similar conditions; or

(d) an estimate, using Market Participant data provided to AEMO, that uses data from elements of the Intermittent Generating System or Non-Scheduled Facility that continued to operate unconstrained after the Dispatch Cap or direction, where the data is appropriately scaled to represent an estimate for the entire Intermittent Generating System or Non-Scheduled Facility.

2.1.2. AEMO will consult with a Market Participant on their preferred method to generate estimates under paragraph 2.1.1 prior to a Registered Facility, that is assessed under the Relevant Level Methodology, entering Commerical Operation.

2.1.3. A Market Participant may request that AEMO update the predictive algorithm used under paragraph 2.1.1(a) for a Registered Facility by providing an alternative predictive algorithm, via email, to be used instead.

2.1.4. Independent variables that may be considered in any predictive algorithm created under paragraph 2.1.1(a) may consist of, but are not limited to, measurements of local weather conditions such as wind speed, solar insolation, dry-bulb temperature, and wet-bulb temperature.

2.1.5. AEMO may use relevant Operational Data Points as specified in the Technical Specification: Operational Data Points for Registered Facilities as the source of data for methods used for production of estimates under paragraph 2.1.1(d).

2.1.6. Where data from an Operational Data Point is used as a data source under paragraph 2.1.5, a Market Participant must make reasonable efforts to ensure that this data remains accurate and available to AEMO.

2.1.7. Where data from an Operational Data Point is used as a data source under paragraph 2.1.5 and the data is inaccurate or no longer accurate, the Market Participant must inform AEMO as soon as reasonably practicable, via email, identifying the data, including relevant time timestamps, that is considered inaccurate or no longer accurate.

2.1.8. Where AEMO considers that an estimate produced under section 2.1.1 is incorrect, inaccurate or no longer accurate for a relevant Dispatch Interval, AEMO will replace this estimate with another, more accurate estimate using another method under paragraph 2.1.1.

2.1.9. AEMO will use the sum of any estimates produced on a Trading Interval basis under paragraph 2.1.1 in the Relevant Level Methodology calculations.

2.1.10. Where data is unavailable to make an estimate, AEMO will adopt an alternative method outlined in paragraph 2.1.1.

2.1.11. If no suitable alternative methods are identified under paragraph 2.1.10, AEMO will request data directly from the Market Participant and specify a timeframe in which the information must be provided, which may be varied in agreeance between AEMO and the Market Participant.

2.1.12. If AEMO makes a request under paragraph 2.1.11, the Market Participant must provide the requested information via email to wa.operations@aemo.com.au as soon as practicable.

2.1.13. If AEMO does not receive data from the Market Participant under paragraph 2.1.12 by the time specified in AEMO's request, then AEMO will make an estimate using whatever relevant information it has available to it at the time; this may include using the Market Participant's actual generation.

3. Providing Settlement and Monitoring Data to AEMO

3.1.1. Market Participants must provide Settlement and Monitoring Data to AEMO in accordance with paragraph 1.5.1.

3.1.2. Where AEMO identifies that Settlement and Monitoring Data cannot, or has not been provided in accordance with paragraph 3.1.1, AEMO will request the Rule Participant provide that data to AEMO through another method specified by AEMO and may specify a timeframe for provision of this data.

3.1.3. If AEMO makes a request under paragraph 3.1.2, the Rule Participant must provided the requested data via the specified method and within any timeframe set by AEMO in its request or specified under paragraph 3.1.5.

3.1.4. Where a Rule Participant identifies that Settlement and Monitoring Data cannot, or has not been provided in accordance with paragraph 3.1.1, the Rule Participant must provide that data to AEMO via email.

3.1.5. Where a Rule Participant is required to provide Settlement and Monitoring Data to AEMO, they must do so within one Business Day, unless otherwise instructed by AEMO.

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
7.13.3
7.13.8