WEM Procedure: Meter Data Submissions

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Version	Effective Date	Summary of Changes
1.0	12 September 2006	Market Procedure for Meter Data Submissions as at Market Start
2.0	1 October 2009	Amendments to Market Procedure resulting from PC_2009_08
3.0	30 November 2015	Changes resulting from the transfer of functions from the IMO to AEMO
3.1		Draft for consultation. Revised for amendments made in the Wholesale Electricity Market Amendment (Governance) Rules 2021 and Wholesale Electricity Market Amendment (Tranches 2 and 3 Amendments) Rules 2020

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1. Introduction

1.1. Purpose and scope

1.1.1. This WEM Procedure: Meter Data Submissions (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*, 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:

(a) the format of Meter Data Submissions to be provided by Metering Data Agents; and

(b) the processes that must be followed by Metering Data Agents when making Meter Data Submissions **[Clause 8.6.2]**.

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, 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
Accumulated Energy Data	Has the same meaning as in the Metering Code
Checksum Data	Means Energy Data for each NMI and channel aggregated to a single value for each NMI for a Calendar Day
Energy Data	Has the same meaning as in the Metering Code
Interval Energy Data	Has the same meaning as in the Metering Code
Wholesale Electricity Market System (WEMS)	An interface software system that AEMO uses to administer and operate the Wholesale Electricity Market

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 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.

(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
WEM Procedure Settlements	WEM Procedure: Settlements	AEMO Website
NEM12 Specification and NEM13 Specification	Meter Data File Format Specification NEM12 & NEM13 dated December 2004	Western Power Website
Division 5.2 – meter data provision	Electricity Industry (Metering) Code 2012	EPWA Website

2.   Metering Protocol Requirements

2.1.1.   For the purposes of this WEM Procedure, it is assumed that the Metering Data Agent has operated in accordance with a Metering Protocol **[clause 8.7.1]**.

3.   Meter Data Submissions

3.1. Format

3.1.1.   A Metering Data Agent must provide Meter Data Submissions in the standard format defined in either the NEM 12 Specification (for Interval Energy Data) or NEM 13 Specification (for Accumulated Energy Data) (as applicable) **[clause 8.4.2]**.

3.1.2.   Meter Data Submissions must contain the information specified in clause 8.6.1.

3.1.3. To facilitate weekly settlement processes, a Metering Data Agent must provide Meter Data Submissions to AEMO within the time specified in clause 9.3.2, being no later than the Interval Meter Deadline determined by clause 9.3.1(a), **[clause 8.4.1]**.

3.1.4. Provided the requirements of paragraphs 3.1.1 and 3.1.2 are met, a Metering Data Agent may provide Meter Data Submissions to AEMO as soon as the relevant data becomes available.

3.1.5. Each Meter Data Submission must be sent only once, unless queried, revised or replaced.

3.2. Process

3.2.1. Meter Data Submissions must be made to AEMO using the Wholesale Electricity Market System (WEMS).

3.2.2. For the purposes of settlement calculations under clause 9.6, and prudential requirements under clause 2.43, AEMO must use the latest compliant Meter Data Submissions received from the Metering Data Agent for each Trading Interval.

3.2.3. In advance of performing settlement calculations under clause 9.6, AEMO may perform a comparison of Energy Data held by AEMO against the corresponding Energy Data held by the Metering Data Agent for a Trading Week.

3.2.4. To facilitate a comparison under paragraph 3.2.3, AEMO may request and a Metering Data Agent must provide relevant Checksum Data to AEMO at least two Business Days prior to the Interval Meter Deadline for a Trading Week which is to be settled for the first time, and two Business Days prior to the commencement date for a settlement Adjustment Process **[clause 9.3.1(e)]**.

3.2.5. Checksum Data must be provided in CSV format in which each line consists of the following fields:

(a) NMI (integer) – the 10 digit code for each meter included in the checksum file;

(b) NMISFX ( ) – the channel associated with each NMI;

(c) date (dd/mm/yyyy) – the Calendar Date to which the meter data information relates;

(d) Contestable () – value of 'Y' if the related NMI is contestable and therefore AEMO is to receive meter data submissions for the NMI, else value of 'N';

(e) NEM12 Consumption (non-integer) – sum of meter data in kWh for the NMI on the relevant date.

4. Additional Meter Information

4.1.1. For the purposes of clause 8.6A.1, a Meter Data Agent must provide AEMO non-interval or accumulation meter information in a CSV format consisting of [**clause 8.6A.1**]:

(a) date (yyyymmdd) – the first day of the Trading Month to which the information relates;

(b) existing meters (integer) – the number of non-interval or accumulation meters that existed at the end of the Trading Month to which the information relates;

(c) new meters (integer) – the number of new non-interval or accumulation meters connected during the Trading Month to which the information relates; and

(d)   abolished meters (integer) – the number of non-interval or accumulation meters abolished during the Trading Month to which the information relates.

4.1.2.   Information under paragraph 4.1.1 must be provided to AEMO by a Metering Data Agent within the time specified in clause 8.6A.2.

5.   Notice of Disagreements

5.1.1.   If AEMO receives a Notice of Disagreement or Notice of Dispute ("Notice") that relates to information prodivded to AEMO by a Metering Data Agent, then AEMO must notify the Metering Data Agent responsible for that data of the Notice and the Metering Data Agent must respond in accordance with the Metering Protocol and clause 8.5.2 [**clause 8.5.1 and 8.5.2**].

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
8.6.2