

AEMO Procedure Change Working Group (APCWG)

16 December 2024



Ground rules and recording



Keep questions on topic



Mute when not speaking



Identify yourself



WA.MarketDevelopment@aemo.com.au for other questions



Meetings are recorded for the purpose of taking meeting minutes

Recording our meetings

This meeting will be recorded by AEMO for minute taking purposes.

By attending the meeting, you consent to AEMO recording the meeting and using the record for this purpose.

No other recording of the meeting is permitted.



We acknowledge the Traditional Custodians of the land, seas and waters across Australia. We honour the wisdom of Aboriginal and Torres Strait Islander Elders past and present and embrace future generations.

We acknowledge that, wherever we work, we do so on Aboriginal and Torres Strait Islander lands. We pay respect to the world's oldest continuing culture and First Nations peoples' deep and continuing connection to Country; and hope that our work can benefit both people and Country.

'Journey of unity: AEMO's Reconciliation Path' by Lani Balzan

AEMO Group is proud to have delivered its first Reconciliation Action Plan in May 2024. 'Journey of unity: AEMO's Reconciliation Path' was created by Wiradjuri artist Lani Balzan to visually narrate our ongoing journey towards reconciliation - a collaborative endeavour that honours First Nations cultures, fosters mutual understanding, and paves the way for a brighter, more inclusive future.

Read our
RAP



Agenda

1. Welcome
2. Year in review and a brief look into 2025
3. Discussion Item: WEM Procedure – Outage Intention Plan
4. Discussion Item: WEM Procedure – Facility Sub-Metering
5. Discussion Item: WEM Procedure – Credible Contingency Events
6. Discussion Item: WEM Procedure – Direction of Registered Facilities in Scarcity Conditions
7. Upcoming Procedures
8. Other Business

Year in review... and a brief look into 2025

- This year AEMO has consulted on 20 new or amended WEM Procedures, with 18 scheduled to commence in 2024.

Thank You!

- The pace of change brings with it many more WEM Procedure changes, those known in 2025 include:
 - 9 outstanding WEM Procedures from the NWCD;
 - 4 WEM Procedure changes resulting from Misc 3 amendments;
 - At least 1 AEMO-driven WEM Procedure change; and
 - 7-10 WEM Procedure amendments due to the upcoming WIC/RCM Reform Rules (pending final rules).
- Unknown number resulting from reviews in progress (PSSR; MAC; PCP; ESS Review; Ops Forecasting).



WEM Procedure: Outage Intention Plan

Michael Dalton

Background

- AEMO's new Outage Intention Plans WEM Procedure was developed to meet the Outage Intention Plan requirements of section 3.19 of the WEM Rules.
- Section 3.19 of the WEM Rules came into effect on 1 October 2023 and requires AEMO to ensure its systems are developed and ready to manage Outage Intention Plans from 1 January 2025.
- AEMO developed a new user interface on 'WEMS MPI for Market Participants', and a new API data integration for the Network Operator for submissions, review, revisions and resubmissions of Outage Intention Plans.
- AEMO presented an Outage Intention Plans Showcase and Q&A at the 31 October 2024 WRIG explaining the AEMO's systems and process for Outage Intention Plans. Slides can be accessed here: [WRIG Meeting - 31 October 2024](#).

Brief overview of the procedure

- This procedure will provide clarity to Market Participants and Network Operators of how an Outage Intention Plan can be submitted to AEMO, and will explain how revisions, resubmissions and withdrawals of Outage Intention Plans can be made.
- The procedure will also explain how AEMO develops and publishes the Interim and Final Annual Consolidated Outage Intention Plans.
- AEMO's Outage Intention Plan development and timetables are also set out in the procedure.
- AEMO's Outage Intention Plans WEM Procedure is currently published for stakeholder consultation at: [AEMO | AEPC 2024 17 Outage Intention Plans](#). The consultation period closes at 5pm on 19 December 2024.

Questions

Questions regarding the new procedure

- Are there any questions regarding the new procedure?

Questions outside of APCWG

- Any questions regarding the new procedure should be sent to WA.MarketDevelopment@aemo.com.au, allowing enough time for a response prior to the closure of the consultation period.

Next Steps

- Consultation on the WEM Procedure: Outage Intention Plan closes on 19 December 2024
- The expected commencement date is 24 December 2024.
- All submissions should be submitted to WA.MarketDevelopment@aemo.com.au by COB on the date of closure.



WEM Procedure: Facility Sub-Metering

Rebecca Pedlow-Collins

Background

- The existing WEM Procedure: Facility Sub-Metering requires updating to reflect the new Electricity Market System Market Participant Interface (WEMS MPI) functionality implemented by AEMO in September 2024.
- This new functionality enables the direct receipt of Facility Sub-Metering data by AEMO's systems, making the receipt of data via email redundant.

Proposed Amendments

- Main driver is new WEMS MPI functionality:
 - New functionality applies on Procedure commencement.
 - Updated data and communication requirements, and protocols between a Market Participant and AEMO.
- The amendments also:
 - clarify Facility Sub-Metering requirements in respect of Interval Energy Data recorded by a non-SCADA source (that is not Alternating Current Metering) and the accuracy requirement

SCADA

Interval Energy Data has a maximum overall error at full load of less than $\pm 0.5\%$; aligns with Metering Code

Alternating Current Metering

In accordance with the Metering Code

Interval Energy Data recorded by a device other than SCADA

Interval Energy Data aligns with a maximum overall error at full load of less than $\pm 0.5\%$; aligns with Metering Code

Proposed Amendments (cont.)

- Other amendments:
 - Update references to the Metering Code (Unofficial Consolidated version applying 30 January 2024) and its clauses.
 - Insert a requirement on the timing of the submission to AEMO of the audit report of a Market Participant's Facility Sub-Metering –
 - Market Participant must submit the audit report to AEMO at least 20BD before requesting Commercial Operation Status.
 - **Make minor modifications to paragraph structure, remove redundant text and correct minor grammatical errors to improve descriptive accuracy.**
- Note content from the original version was accurately reproduced in the new procedure template, which was then revised and updated.

Questions

Questions regarding the proposed amendments

- Are there any questions regarding the proposed amendments?

Questions outside of APCWG

- Any questions regarding proposed amendments should be sent to WA.MarketDevelopment@aemo.com.au, allowing enough time for a response prior to the closure of the consultation period.

Next Steps

- Consultation on the proposed amendments to WEM Procedure: Facility Sub-Metering is currently scheduled to close on 31 January 2025.
- The expected commencement date is 17 February 2025.
- All submissions should be submitted to WA.MarketDevelopment@aemo.com.au by COB on the date of closure.



WEM Procedure: Credible Contingency Events

Russell Frost

Summary

- The WEM Procedure: Credible Contingency Events is required to be developed by AEMO in accordance with clause 3.8A.4 of the WEM Rules.
- The Procedure specifies the processes and relevant factors for the assessment, classification, reclassification and notification of Credible Contingency Events.
- As part of ongoing operational experience and efforts for continual improvement, AEMO has identified potential amendments to improve the Procedure's clarity and alignment with the WEM Rules.
- These proposed changes collectively support Wholesale Market Objective 1.2.1(a) by improving safety and reliability of supply of electricity.

Proposed Amendments

- Clarifying the application of the Credible Contingency Event framework for the potential loss of a node created by a substation busbar to limit reclassification to equipment whose loss may present material PSSR risks (see next slide).
 - [Appendix B1; Equipment List](#) added to related documents.
- Redrafting provisions to better align with the WEM Rules, including the description of Credible Contingency Events (cl 3.8A.2) and Non-Credible Contingency Events (cl 3.8A.3).
 - [Paragraphs 2.1.5, 2.1.6, 2.1.7, 2.1.8, 2.2.1\(c\), 2.2.3.](#)
- Undertaking minor editorial and typographical changes to improve readability and clarity, including new/reworked definitions for specific Power System Elements.
 - [Various provisions, including Table 3, section 2.2, Appendix B.](#)
- Providing for the publication of additional information on the WEM Website relating to Credible Contingency Events that are likely to persist for some time (e.g. Network upgrade schemes).
 - [Paragraph 2.3.3](#)
- Transferring the Procedure to the updated AEMO WEM Procedure template.

Substation Busbars (further details)

- Section B.1 has been amended to apply a materiality threshold to the reclassification of the loss of a Node created by a substation busbar, by limiting the obligation in paragraph B.1.2 to equipment that is:
 - Included in the Equipment List published under clause 3.18A.2 of the WEM Rules; or
 - Where AEMO considers the loss of the Node would result in a material impact on Power System Security.
- This limitation balances the mitigation of risks to Power System Security and Power System Reliability with administrative overheads, including the issuing of Market Advisories as required under clause 3.8A.6(b) for any reclassifications.
- Paragraph B.1.3 has been redrafted to more clearly describe the situation(s) in which the Network Operator must advise AEMO when planning/undertaking on-site works/risk activities.

Questions

Questions regarding the proposed amendments

- Are there any questions regarding the proposed amendments?

Questions outside of APCWG

- Any questions regarding proposed amendments should be sent to WA.MarketDevelopment@aemo.com.au, allowing enough time for a response prior to the closure of the consultation period.

Next Steps

- Consultation on the proposed amendments to WEM Procedure: Credible Contingency Events is currently scheduled to close on 24 January 2025.
- The expected commencement date is 1 February 2025.
- All submissions should be submitted to WA.MarketDevelopment@aemo.com.au by COB on the date of closure.

WEM Procedure: Direction of Registered Facilities in Scarcity Conditions



Paul Elliott

Summary

- WEM Procedure: Direction of Registered Facilities in Scarcity Conditions (commenced 15 October 2024) requires updating to reflect the *Wholesale Electricity Market Amendment (FCESS Cost Review) Rules 2024, Schedule 3* (to commence 1 February 2025).
- The amendment rules insert new sub-clause (b) into clause 7.7.14 of the WEM Rules, which is the Procedure's Head of Power.
- New sub-clause (b) expands the Procedure's scope by requiring AEMO to set out the process it will follow to determine which Registered Facility to direct to synchronise to provide RoCoF Control Service under clause 3.4.4(d) of the WEM Rules.

3.4.4 In order to restore and maintain Power System Security or Power System Reliability, AEMO may, in addition to the provisions specified in Chapter 7:

...

(d) direct Facilities to adjust output or operate in a particular way, in accordance with the Registered Generator Performance Standards applicable to the Facility where relevant, and otherwise in accordance with information available to AEMO;

...

Proposed Amendments

- Consequently, new paragraph 4 is inserted to cover the process -
 - The existing process in paragraph 2.1.3, which specifies the factors AEMO will consider when assessing a Registered Facility's availability for direction, is leveraged.
 - AEMO will also assess the relevant power system conditions and the current operational conditions.
 - AEMO will then chose the most appropriate Registered Facility to provide RoCoF Control Service, where that choice will result in maintaining / restoring a Secure Operating State and the least impact to the market.
- A Low Reserve Condition does not necessarily need to be in place for AEMO to make a direction under clause 3.4.4(d) of the WEM Rules for the purposes of the Procedure.

Proposed Amendments (cont.)

- Other amendments:
 - Corrects an omission in drafting in the original version of the procedure (in paragraph 2.1.3).
 - Inserts a new factor within the list of factors to be considered by AEMO when assessing which Registered Facility to direct (which may include a direction to synchronise) to remedy an ESS Shortfall during a Low Reserve condition:

‘whether the Registered Facility has sufficient Capacity Credits to meet the MW quantity of capacity required to fulfil the direction’
 - The list of (updated) factors to be considered will also be used by AEMO when assessing which Registered Facility to direct to synchronise to provide RoCoF Control Service.
- Creates better alignment between the existing wording of the Procedure with new drafting, update references to related clauses and procedures, and correct minor grammatical or typographical errors to improve descriptive accuracy.

Questions

Questions regarding the proposed amendments

- Are there any questions regarding the proposed amendments?

Questions outside of APCWG

- Any questions regarding proposed amendments should be sent to WA.MarketDevelopment@aemo.com.au, allowing enough time for a response prior to the closure of the consultation period.

Next Steps

- Consultation on the proposed amendments to WEM Procedure: Direction of Registered Facilities in Scarcity Conditions is currently scheduled to close on 24 January 2025.
- The expected commencement date is 1 February 2025.
- All submissions should be submitted to WA.MarketDevelopment@aemo.com.au by COB on the date of closure

Upcoming Procedures

Procedure Name	New/ Amendment	Proposed timing for Consultation Release*
MTPASA	Amendment (technically)	February 2025
Low Reserve Conditions	New	February 2025
Dispatch Settlement & Monitoring Data	Amendment	February / March 2025
IMS Interface for Network Operators	To be abolished	February / March 2025
Communications and Control	Amendment	These Procedures will be combined for the purposes of consultation.
Network Modelling Data	Amendment	

*Proposed consultation dates are subject to change

Any Other business?



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