



# Operational Forecasting Documents Consultation

Information Paper

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## Executive Summary

The publication of this Information Paper commences the consultation process (Consultation) conducted by AEMO to consider the changes (Changes) which are proposed to the Operational Forecasting documents (Documents) for the purposes of the National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021 No. 13 (IESS Rule).

AEMO has prepared this Information Paper to inform and enable feedback by stakeholders to the Changes.

In summary, the Changes are to:

- Include new NER clauses and update existing references to NER clauses.
- Update material in respect of quality of life, as well as to align to other AEMO documentation.
- Insert an additional description on the Local Limit Signal for clarity.
- Include the option for solar generators to directly provide a Power Conversion Curve Table in the Australian Solar Energy Forecasting System Energy Conversion Model<sup>1</sup>.

AEMO invites stakeholders to:

- provide feedback and comments in response to this Information Paper, as well as the accompanying change-marked versions of the Documents; and
- identify any unintended adverse consequences of the Changes.

Stakeholders are invited to submit written responses, including in respect of the questions which are identified in this Information Paper, by 5 pm AEST Friday 2 September 2022.

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<sup>1</sup> Currently Participants provide the Power Curve information to AEMO via email to streamline the process.

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# 1. Stakeholder Consultation Process

AEMO's stakeholder engagement program for the IESS initiative includes:

- This Consultation.
- IESS Working Group (IESS-WG) for affected participants and other related bodies.
- Discussion with individual stakeholders, as required.
- Dedicated webpage<sup>2</sup> and IESS mailbox [IESS@aemo.com.au](mailto:IESS@aemo.com.au) for stakeholder enquiries.
- Additional forums to be established in the second half of 2022 for the broader implementation of the NEM2025 Implementation Roadmap<sup>3</sup>.

AEMO considers the Changes to be minor or administrative in nature. The Changes make the Documents consistent with and aligned to the NER as amended by the IESS Rule, including by inserting new NER clauses, updating existing material and providing additional clarity. The changes which AEMO makes to an existing procedure, guideline or other document like the Changes will generally be considered to be minor or administrative, if those changes:

1. do not change the substantive rights or obligations of participants;
2. do not require participants to incur any costs or change their systems;
3. are not expected to involve material cost for AEMO; and
4. are straightforward and not contentious in nature.

Accordingly, under NER 11.145.9(c), AEMO is not required to follow a process for amending the Documents which may be specified in the NER. However, AEMO considers it important to request feedback on the Changes, in the interests of transparency.

AEMO's indicative timeline for the Consultation is as follows.

Deliverable	Indicative date
Change marked documents published	22 August 2022
Submissions due on change marked documents	5 September 2022
Final documents published	19 September 2022

Prior to the due date for submissions on the Information Paper, stakeholders can request a meeting with AEMO to discuss any issues in respect of the Changes, or more generally, via email [Op.Forecasting@aemo.com.au](mailto:Op.Forecasting@aemo.com.au), [IESS@aemo.com.au](mailto:IESS@aemo.com.au).

A glossary of terms used in this Information Paper is at Appendix A.

<sup>2</sup> At <https://aemo.com.au/initiatives/major-programs/integrating-energy-storage-systems-project>.

<sup>3</sup> For current version of the Roadmap, see <https://aemo.com.au/consultations/industry-forums-and-working-groups/list-of-industry-forums-and-working-groups/reform-delivery-committee>.

## 2. Background

On 2 December 2021, the Australian Energy Market Commission (AEMC) made its Final Determination on the IESS Rule, to integrate storage and hybrid systems into the National Electricity Market (NEM). The IESS Rule takes a significant step toward a technology agnostic two-way market model for the NEM. These changes anticipate, and help prepare the NEM for, future steps being envisioned through the Energy Security Board's (ESB's) Post-2025 Market Design initiative.

To implement the IESS Rule, AEMO envisages:

- Initial Release of new registration and dispatch models on 31 March 2023.
- Final Release to complete the full implementation of the IESS Rule on 3 June 2024.

### 2.1. Context for this consultation

The Changes include a number of changes to the Wind and Solar Forecasting documentation for the purposes of the IESS Rule.

### 3. Overview of changes

The following table outlines the Changes.

Document Type	Document Name	Proposed Changes
<b>Excel spreadsheets</b>	ASEFS_Energy_Conversion_Model_Guidelines_marked-changes_2022  AWEFS_Energy_Conversion_Model_Guidelines_marked-changes_2022	<ul style="list-style-type: none"> <li>The quality of life updates to the Australian Solar Energy Forecasting System (ASEFS) and Australian Wind Energy Forecasting System (AWEFS) ECM Guidelines will correct grammar and reflect changes that have been made to other AEMO documentation since the documents were last updated in 2018.</li> <li>The additional description of the Local Limit Signal in the ECM Guidelines, which will improve clarity, reflects the description of local limit in other documentation (NEM Operational Forecasting and Dispatch Handbook for wind and solar generators).</li> <li>The inclusion of the option for solar generators to provide a Power Conversion Curve Table in the ASEFS ECM directly will streamline the current process, which is to communicate via email.</li> </ul>
<b>Word document</b>	AWEFS and ASEFS marked-changes	<ul style="list-style-type: none"> <li>The quality of life update to the AWEFS document will include a description of the ASEFS and will reflect updates that have been made to other AEMO documentation since the document was last updated in 2016, i.e. the introduction of the local limit SCADA signal.</li> <li>The document will be renamed to Australian Wind Energy Forecasting System and Australian Solar Energy Forecasting System (AWEFS and ASEFS).</li> </ul>
<b>Word document</b>	Guide to Data Requirements for AWEFS and ASEFS_V5_marked-changes	<ul style="list-style-type: none"> <li>The document will be amended to include new NER clauses and update existing references to NER clauses.</li> </ul>
<b>Word document</b>	NEM Operational Forecasting and Dispatch Handbook for wind and solar generators_V1.3_marked-changes	<ul style="list-style-type: none"> <li>The document will include new NER clauses and update existing references to NER clauses in the Wind and Solar Forecasting documentation.</li> </ul>

#### Questions

- Do participants have any issues with the updates to the ECM Guidelines? If so, which changes are the cause for concern?
- Do participants have any issues with the updates to the Australian Wind Energy Forecasting System documentation? If so, which changes are the cause for concern?

## 4. Drafting for proposed changes

To help stakeholders respond to this Information Paper, AEMO has also published the change-marked version of the Documents which incorporate the Changes.

**Submissions on these and any other matters relating to the Documents discussed in this Information Paper are invited by 5 pm AEST Friday 2 September 2022.**

## 5. Other Matters

AEMO intends to review and consult on the 'Guide to Intermittent Generation' document in August 2023.



## Appendix A. Glossary

Term or acronym	Meaning
<b>AWEFS</b>	Australian Wind Energy Forecasting System
<b>ASEFS</b>	Australian Solar Energy Forecasting System
<b>ECM</b>	Energy Conversion Model
<b>SCADA</b>	Supervisory Control and Data Acquisition
<b>NEM</b>	National Electricity Market