



# WHOLESALE ELECTRICITY MARKET

## PROCEDURE CHANGE PROPOSAL: AEPC\_2018\_03

POWER SYSTEM OPERATION PROCEDURE:  
COMMUNICATIONS AND CONTROL SYSTEMS

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## EXECUTIVE SUMMARY

The publication of this Procedure Change Proposal and accompanying call for submissions commences the Procedure Change Process conducted by AEMO to consider a proposed revised Power System Operation Procedure: Communications and Control Systems under the Wholesale Electricity Market Rules (WEM Rules).

The proposed revised Power System Operation Procedure is required by clauses 2.35.4 and 2.36A.5 of the WEM Rules which require AEMO to document:

- a) The communications and control system requirements necessary to support the dispatch process described in the WEM Rules and the Power System Operation Procedures.
- b) The communications and control system requirements necessary to enable AEMO to remotely monitor the performance of a Network.

This Procedure Change Proposal includes this document, which outlines the reason for the proposed amendments to the Market Procedure, and the proposed Market Procedure itself, which is available at:

[http://www.aemo.com.au/Stakeholder-Consultation/Consultations/AEPC\\_2018\\_03](http://www.aemo.com.au/Stakeholder-Consultation/Consultations/AEPC_2018_03).

AEMO invites stakeholders to suggest alternative options or drafting where they consider that these would improve the procedure or better meet the Wholesale Market Objectives in section 122(2) of the *Electricity Industry Act 2004* (Electricity Industry Act) (and clause 1.2.1 of the WEM Rules).

Stakeholders are invited to submit written responses on the proposed Power System Operation Procedure by 5.00 pm Australian Western Standard Time (AWST) on 21 May 2018, in accordance with the call for submissions published with this Procedure Change Proposal.



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# 1. PROCEDURE CHANGE PROCESS

Section 2.10 of the WEM Rules outlines the Procedure Change Process.

AEMO may initiate the Procedure Change Process in respect of Market Procedures (including Power System Operation Procedures and the Monitoring and Reporting Protocol) for which it is responsible, by developing a Procedure Change Proposal. Rule Participants may notify AEMO where they consider an amendment or replacement of an AEMO Market Procedure would be appropriate (Clauses 2.10.1 and 2.10.2).

If an Amending Rule requires AEMO to develop new Market Procedures or amend or replace existing Market Procedures, then AEMO is responsible for the development, amendment or replacement of Market Procedures to comply with the Amending Rule (Clause 2.10.3).

Under clause 2.9.3 of the WEM Rules, Market Procedures:

- (a) must:
  - i. be developed, amended or replaced in accordance with the process in the WEM Rules;
  - ii. be consistent with the Wholesale Market Objectives; and
  - iii. be consistent with the WEM Rules, the Electricity Industry Act and the WEM Regulations; and
- (b) may be amended or replaced in accordance with section 2.10 of the WEM Rules and must be amended or replaced in accordance with section 2.10 of the WEM Rules, where a change is required to maintain consistency with Amending Rules.

The Wholesale Market Objectives are:

- (c) to promote the economically efficient, safe and reliable production and supply of electricity and electricity related services in the South West interconnected system;
- (d) to encourage competition among generators and retailers in the South West interconnected system, including by facilitating efficient entry of new competitors;
- (e) to avoid discrimination in that market against particular energy options and technologies, including sustainable energy options and technologies such as those that make use of renewable resources or that reduce overall greenhouse gas emissions;
- (f) to minimise the long-term cost of electricity supplied to customers from the South West interconnected system; and
- (g) to encourage the taking of measures to manage the amount of electricity used and when it is used.

AEMO has published this Procedure Change Proposal in accordance with the Procedure Change Process in clause 2.10 of the WEM Rules.

AEMO’s indicative timeline for this consultation is outlined below. Dates may be adjusted depending on the number and complexity of issues raised in submissions and any meetings with stakeholders.

Process stage	Indicative date
Procedure Change Proposal published	20 April 2018
Submissions due on Procedure Change Proposal	21 May 2018
Procedure Change Report published	13 July 2018
Proposed commencement of revised Market Procedure	14 July 2018

Prior to the submissions due date, stakeholders may request a meeting with AEMO to discuss the issues and proposed changes raised in this Procedure Change Proposal.



## 2. BACKGROUND

### 2.1 Regulatory requirements

Clauses 2.35.4 and 2.36A.5 of the WEM Rules provide that:

*2.35.4. System Management must document the communications and control system requirements necessary to support the dispatch process described in these Market Rules in the Power System Operation Procedure. System Management, Market Participants and Network Operators must comply with that documented Market Procedure in respect of communication and control system requirements.*

*2.36A.5 System Management must document in the Power System Operation Procedure the communications and control system requirements necessary to enable it to remotely monitor the performance of a Network described in these Market Rules. System Management, Market Participants and Network Operators must comply with that documented Market Procedure in respect of communications and control system requirements.*

The proposed Power System Operation Procedure would be the third version of this Procedure. AEMO proposes to commence the revised procedure on 14 July 2018.

### 2.2 Context for this consultation

As part of the amalgamation of System Management and AEMO, the Power System Operation Procedures (PSOP) are being revised and updated. In general, AEMO is revising the Market Procedures to:

- (a) Remove any Power System Operation Procedures (PSOP) not required by WEM Rules.
- (b) Update all PSOPs to current AEMO standards.
- (c) Ensure PSOPs comply with obligations.
- (d) Ensure content in Procedures required because a WEM Rule requirement exists to include detail or process or AEMO requires obligation on itself or Participants.

Amendments to this Procedure require consequential amendments to the IMS Interface Market Procedure, which is being progressed simultaneously.



## 3. PROPOSED PROCEDURE CHANGE

### 3.1 Detail of the proposed procedure change

AEMO is proposing to:

- Migrate content from the IMS Interface Market Procedure to fulfil the requirements of WEM Rule 2.36A.5.
- Refer to the Technical Specifications for Operational Data Points.
- Reflect updated processes including the AEMO Standard for Power Systems Data Communications and the Automatic Balancing Control (ABC) and Automatic Generation Control (AGC) Interface Requirements.

### 3.2 Proposed drafting

AEMO has published a draft of the proposed Market Procedure: Communications and Control Systems for consultation, which is available at:

[http://www.aemo.com.au/Stakeholder-Consultation/Consultations/AEPC\\_2018\\_03](http://www.aemo.com.au/Stakeholder-Consultation/Consultations/AEPC_2018_03).

AEMO has also provided a marked-up version of the revised Procedure.

### 3.3 Consultation to date

A draft version of the Market Procedure was presented at the AEMO WEM Procedure Change workshop held on 19 February 2018. Details of this forum are available at:

<http://aemo.com.au/Stakeholder-Consultation/Industry-forums-and-working-groups/WA-Forums>.

Minor comments were received by stakeholders and incorporated.

### 3.4 Consistency with WEM Rules, Electricity Industry Act and WEM Regulations

The proposed revised WEM Market Procedure has been reviewed as a whole by AEMO to ensure compliance with the relevant provisions in the:

- Electricity Industry Act.
- WEM Regulations.
- WEM Rules.

### 3.5 Consistency with Wholesale Market Objectives

The steps outlined in this revised Power System Operation Procedure describe:

- a) The communications and control system requirements necessary to support the dispatch process described in the WEM Rules and the Power System Operation Procedures.
- b) The communications and control system requirements necessary to enable AEMO to remotely monitor the performance of a Network.

AEMO considers that the steps are drafted in a way that does not change the objectives of the WEM Rules. As a result, AEMO considers that the revised Procedure, as a whole, is consistent with the Wholesale Market Objectives.



## 4. CONSULTATION PROCESS

AEMO invites stakeholders to suggest alternative options or drafting where they consider that these would improve the procedure or better meet the Wholesale Market Objectives in section 122(2) of the Electricity Industry Act (and clause 1.2.1 of the WEM Rules).

Stakeholders are invited to submit written responses on the proposed Power System Operation Procedure by 5.00 pm (AWST) on 21 May 2018, in accordance with the call for submissions published with this paper.

Stakeholders with questions in relation to the proposed Power System Operation Procedure or this Procedure Change Proposal can contact AEMO via email to [wa@aemo.com.au](mailto:wa@aemo.com.au).

All correspondence in relation to this Procedure Change Proposal must be entitled “AEPC\_2018\_03 Communications and Control Systems - [Name of the submitting company or individual]”.