

## **NOTICE OF EXTENSION: CONSULTATION FOR PROCEDURE CHANGE PROPOSAL AEPC\_2018\_03**

Wholesale Electricity Market Rules – Clause 2.10

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### **1.1. Background**

**Date of Notice: 1 May 2019**

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

Following the initial consultation period, Western Power made a number of comments, one of which regarded the National Electricity Market (NEM) Data Communication Standard (DCS). Western Power indicated that the DCS was not appropriate for the WEM. Accordingly, AEMO and Western Power engaged since the initial consultation period to finalise the WEM DCS.

AEMO has amended the Procedure to include the comments provided by Western Power and the proposed WEM DCS. The proposed WEM DCS does not require action by, and will not impose costs on, Market Participants. Details of the proposed WEM DCS are included in Appendix A.

AEMO now seeks comments on the Procedure as a result of the amendments.

### **1.2. Procedure Change process**

#### **1.2.1. Extension of consultation**

AEMO is extending the consultation period in accordance with clause 2.10.17 of the WEM Rules.

Following the initial consultation period, matters were raised resulting in amendments to the Procedure. AEMO considers it prudent to allow stakeholders to review and comment on the amended Procedure.

To extend the consultation period, clause 2.10.18 of the WEM Rules requires that AEMO publish a notice of an extension and update any information already published in a call for submissions under clause 2.10.7. Clause 2.10.19 requires that the notice of extension include:

- (a) the reasons for the proposed extension, which are detailed in section 1.1;
- (b) the views of any Rule Participant consulted on the extension, which are detailed in section 1.1;
- (c) the proposed length of any extension, which is detailed in section 1.2.2; and
- (d) the proposed work program, which is detailed in section 1.2.2.

#### **1.2.2. Details of extension and proposed work program**

AEMO has extended the original consultation period by 20 Business Days. The indicative timeline and proposed work program for this extended consultation is outlined in the table below. Dates for publication of the Procedure Change Report and commencement of the revised Market Procedure may be adjusted

depending on the number and complexity of issues raised in submissions and any meetings with stakeholders.

PROCESS STAGE	INDICATIVE DATE
Initial Procedure Change Proposal published	20 April 2018
Initial close of submissions on Procedure Change Proposal	21 May 2018
Submissions due on Procedure Change Proposal following this extension	29 May 2019
Proposed commencement of revised Power System Operation Procedure and publication of Procedure Change Report	1 July 2019

### 1.3. Proposed Procedure Change

#### 1.3.1. Proposed drafting

This notice of extension, the original Procedure Change Proposal and the proposed Power System Operation Procedure are 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 provided a marked-up version of the Procedure that shows changes from the version published with the Procedure Change Proposal.

#### 1.3.2. Consultation concerning the extension

AEMO invites written submissions on this Procedure Change Proposal, including any alternatives or additional proposals you consider that may improve the Procedure or better meet the Wholesale Market Objectives in section 122(2) of the Electricity Industry Act 2004 (and clause 1.2.1 of the WEM Rules).

Please identify any parts of your submission that you wish to remain confidential, and explain why. AEMO may still publish that information if it does not consider it to be confidential, but will consult with you before doing so.

In your submission, you may request a meeting with AEMO to discuss the Procedure Change Proposal, stating why you consider a meeting is necessary or desirable.

If appropriate, meetings may be held jointly with other Consulted Persons. Subject to confidentiality restrictions, AEMO will generally make details of matters discussed at a meeting available to other Consulted Persons, and may publish them.

#### 1.3.3. 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).

Submissions in response to this Procedure Change Proposal must be emailed to [wa@aemo.com.au](mailto:wa@aemo.com.au), by 5.00 pm (AWST) on 29 May 2019.

All submissions must be forwarded in electronic format (both pdf and Word). Further, all emails relating to this Procedure Change Proposal must be entitled "AEPC\_2018\_03 Communications and Control Systems - [Name of the submitting company or individual]". Submissions should use the Procedure Change Submission form available at:

<http://aemo.com.au/Electricity/Wholesale-Electricity-Market-WEM/Procedures/Procedure-changes>.

AEMO is not obliged to consider submissions received after the closing date and time. Any late submissions should explain the reason for delay and the detriment to you if AEMO does not consider your submission.

#### **1.3.4. Publication**

All submissions will be published on AEMO's website, other than confidential content.

## APPENDIX A. WEM DCS

### A.1 Data Communication Standard

WEM Rule 2.35.4 requires AEMO to document the communications and control system requirements necessary to support the dispatch process. As a result of the transfer of System Management functions from Western Power to AEMO, a WEM DCS is now needed to cover communication equipment such as SCADA and ICCP.

A DCS details the requirements for communications infrastructure used to operate the Power System, including:

1. Performance:
  - (a) Quantity of data;
  - (b) Representation of data;
  - (c) Age of data;
  - (d) Control command delay; and
2. Reliability:
  - (a) Reliability requirements;
  - (b) Redundant elements; and
3. Interfacing:
  - (a) Physical and logical interfaces
  - (b) Data communications protocols; and
4. Maintenance, such as response to failures, outage co-ordination, data management and testing.

### A.2 Proposed WEM Data Communication Standard

The proposed WEM DCS applies to AEMO and Data Communications Providers (DCPs). At present, the only DCP is Western Power, but Rule Participants can perform the function.

The proposed WEM DCS is based on the NEM DCS. It retains the NEM DCS performance standards, which are effectively industry standards, and covers the following types of information:

1. Power System Data - data concerning all equipment within and Registered Facilities directly connected to a Substation containing equipment that operates at a nominal voltage of at least 66kV unless otherwise agreed by AEMO for specified locations.
2. Dispatch Data - data that represents:
  - (a) The dispatch of Registered Facilities, including Dispatch Instructions and reactive power;
  - (b) The status, or the amount, of Ancillary Services; or
  - (c) Other data used in the dispatch process.
3. High Resolution Data - Measurements of system frequency and electrical time

4. Other Data - data that represents:

- (a) Status Indications;
- (b) Discrete Values;
- (c) Analogue Values;
- (d) Control Commands; or
- (e) Any other data which is not Dispatch Data, High Resolution Data or Power System Data.

While the WEM DCS applies to all communications equipment, AEMO has the ability to agree exemptions to performance requirements. AEMO can also agree on a path to compliance where equipment does not meet the WEM DCS.

The proposed WEM DCS does not require action by, and will not impose costs on, Market Participants.