

WHOLESALE ELECTRICITY MARKET

Submission to Procedure Change Proposal

AEPC_2017_08

PSOP – Network Modelling Data

Submitted by	Western Power
Name:	Dean Frost
Phone:	(08)9427 4214
Fax:	
Email:	dean.frost@westernpower.com.au
Organisation:	Western Power
Address:	GPO L921 PERTH WA 6842
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Submission

Clause 2.10.7 of the Wholesale Electricity Market Rules provides that any person may make a submission for a Procedure Change Proposal (including proposals developed by AEMO, the Economic Regulation Authority or the Rule Change Panel) by completing this Procedure Change Submission form.

Submissions should be provided by email to the nominated contact in the call for submissions published with the Procedure Change Proposal.

Please provide your views on the Procedure Change Proposal, including any objections or suggested revisions

Section 2.1 – General

Western Power acknowledges that AEMO requires SCADA points at all times, albeit limited to the extent of the AEMO Operating Zone. Western Power is of the view that SCADA points for other equipment items (particularly for equipment items connected downstream of zone substation power transformers) are not necessary for AEMO to carry out their power system security responsibilities.

Section 2.2.1 (a) – Positive, Negative and Zero Sequences

Impedances for Western Power’s EMS are derived from Western Power’s Power System Model, which is to be used as the source of truth for other models.

Access to Western Power’s EMS (and supporting systems) is provided in accordance with the terms and conditions of the Service Agreement between AEMO and Western Power; there is a finite duration for this arrangement. Whereas, Western Power acknowledges their obligation to provide the necessary SCADA point to AEMO via ICCP.

Section 2.2.1 (b) Information on Network Topology; Section 2.2.1 (c) Information on Security Constraints

Access to Western Power’s EMS and GIS tools is provided in accordance with the terms/conditions of the Services Agreement between AEMO and Western Power; there is a finite duration for this arrangement. After which, Western Power is able to provide “periodic data transfers of current network topology” only.

Western Power does not support an arrangement in which AEMO “will determine the requirements and timeframe for implementation”.

Section 2.2.1 (d) – Transmission Circuit Limits and Overload Ratings.

The transmission circuit overload ratings (above 100% continuous ratings) will not be available on the Western Power’s EMS nor on Western Power’s limit management system. Circuit limits and overload ratings will be provided either as an electronic transfer of a spreadsheet, or as individual ratings (via email or telephone operational purposes).

Clause 2.2.1 (d) (iii) (A) indicates that the SCADA Limit 2 – 100% is used for the transmission circuit limit and overload limit in accordance with the Market Rules requirement for such limits. This is true, however, it should be noted that Western Power may also provide quasi limits, or overload limits for temporary use in real time as nominated by Western Power. These temporary ratings will not replace the existing limit in SCADA Limit 2.

Section 2.2.1 (e) – Short Circuit Capability

Access to Western Power’s EMS is provided in accordance with the terms/conditions of the Services Agreement between AEMO and Western Power; there is a finite duration for this arrangement.

Section 2.2.1 (f) – Technical and Communications Criteria

Access to Western Power's systems and facilities is provided in accordance with the terms and conditions of the Service Agreement between AEMO and Western Power; there is a finite duration for this arrangement.

Please provide an assessment whether the Procedure Change Proposal is consistent with the Market Objectives and the Wholesale Electricity Market Rules.

No comment.

Please indicate if the Procedure Change Proposal will have any implications for your organisation (for example changes to your IT or business systems) and any costs involved in implementing these changes.

Access to Western Power's EMS (and supporting systems) is provided in accordance with the terms and conditions of the Services Agreement between AEMO and Western Power. Whereas, Western Power has an obligation to provide the necessary SCADA points to AEMO via ICCP – this is in the process of being established in preparation for the end of the Services Agreement.

Please indicate the time required for your organisation to implement the changes, should they be accepted as proposed.

It is anticipated that the required changes will be implemented before the Services Agreement terminates.