



Notice

29 February 2016

Proposed Amendments to Western Power's Technical Rules

MODIFICATION TO PROPOSED AMENDMENTS

The Economic Regulation Authority (ERA) has today published a [letter from Western Power](#), which contains modifications to its proposed amendments to the Technical Rules currently being consulted on by the ERA.

Western Power's initial proposed amendments, the ERA's Issues Paper and a subsequent Addendum from Western Power can be found on the ERA's [website](#).

The modifications submitted by Western Power relate to DC injection limits for users connected to the low voltage network as set out below:

(2) A User connected at low voltage must not inject into the distribution system any DC component of current produced by its own equipment that exceeds 0.5% of the maximum power transfer capacity of the connection point (per phase) as specified in the relevant connection agreement.

Excessive DC injection can lead to adverse effects in AC networks, such as causing increased levels of harmonics and waveform distortion in network assets which use magnetic cores (see cl. 3.2.1(c)); and in some circumstances can cause corrosion of metallic assets.

An accuracy of 5% applies for LV connection point DC injection measurement. Readings must be taken at normal operating temperature, under full site load, and/or full site generation output conditions; and be calculated as 2 minute averages. LV connection point DC injection measurements below 10 mA can be considered insignificant.

Interested parties are invited to make a submission on the proposed amendments to the Technical Rules before 4.00 pm (WST) Friday, 11 March 2016.

Submissions should be made via the [portal](#) on the ERA's website.

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