



National Electricity Amendment (Monitoring and reporting on frequency control framework) Rule 2019 No. 6

under the National Electricity Law to the extent applied by:

- (a) the National Electricity (South Australia) Act 1996 of South Australia;
- (b) the Electricity (National Scheme) Act 1997 of the Australian Capital Territory;
- (c) the Electricity - National Scheme (Queensland) Act 1997 of Queensland;
- (d) the Electricity - National Scheme (Tasmania) Act 1999 of Tasmania;
- (e) the National Electricity (New South Wales) Act 1997 of New South Wales;
- (f) the National Electricity (Victoria) Act 2005 of Victoria;
- (g) the National Electricity (Northern Territory) (National Uniform Legislation) Act 2015; and
- (h) the Australian Energy Market Act 2004 of the Commonwealth.

The Australian Energy Market Commission makes the following Rule under the National Electricity Law.

John Pierce
Chairman
Australian Energy Market Commission

National Electricity Amendment (Monitoring and reporting on frequency control framework) Rule 2019 No. 6

1 Title of Rule

This Rule is the *National Electricity Amendment (Monitoring and reporting on frequency control framework) Rule 2019 No. 6*.

2 Commencement

This rule commences operation on 1 January 2020.

3 Amendment to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 1.

Schedule 1 Amendment to the National Electricity Rules

(Clause 3)

[1] New clause 3.11.2A AER reporting on market ancillary services markets

After clause 3.11.2, insert new clause:

3.11.2A AER reporting on market ancillary services markets

- (a) For the purposes of section 18C(2)(c) of the *National Electricity Law*, the *AER* must prepare and *publish* a report in respect of *market ancillary services* for each calendar quarter.
- (b) The report prepared under paragraph (a) must be *published* within 30 *business days* of the end of each calendar quarter and must contain:
 - (1) the following information in relation to each *market ancillary service* listed in clause 3.11.2(a) for the quarter:
 - (i) the total costs paid to *Ancillary Service Providers* for the provision of the *market ancillary service* for each *region*;
 - (ii) the total quantity of the *market ancillary service* that was *dispatched* by *AEMO* in each *region*;
 - (iii) the lowest, highest and average *ancillary service price* for each *region* for the *market ancillary service*; and
 - (iv) the number and types of *Ancillary Service Providers*;
 - (2) the *AER's* analysis of key trends and outcomes in the *markets* for *market ancillary services* during the quarter; and
 - (3) any other relevant information the *AER* considers necessary or convenient to include in the report.

[2] 3.13.4A Market ancillary services

In clause 3.13.4A, omit paragraph (b1).

[3] 3.13.5 Ancillary services contracting by AEMO

In clause 3.13.5, omit paragraph (a) and substitute "[deleted]".

[4] New clause 4.8.16 AEMO reporting on frequency performance

After clause 4.8.15, insert:

4.8.16 AEMO reporting on frequency performance

- (a) Each week *AEMO* must prepare and publish on its website, a report (**weekly report**) in respect of *frequency* performance outcomes for the previous week, which includes:
- (1) an indicative comparison of *power system frequency* performance against the following measures specified in the *frequency operating standard*:
 - (i) the proportion of time that the *frequency* of the *power system* was inside of the *normal operating frequency band*;
 - (ii) the recovery times to return to the *normal operating frequency band* where *frequency* left the *normal operating frequency band*; and
 - (iii) the time error requirements;
 - (2) the *regulation services* that were *dispatched* by *AEMO* in each *region*; and
 - (3) measures indicating the proportion of *dispatched regulation services* that were used by *AEMO*.
- (b) Within 30 *business days* of the end of each calendar quarter, *AEMO* must prepare and publish on its website, a report (**quarterly report**) in respect of *power system frequency* during the quarter, which includes:
- (1) where applicable, *AEMO's* assessment of the impact of any actions taken by *AEMO* to improve *power system frequency* control outcomes;
 - (2) *AEMO's* assessment of the achievement of the *frequency operating standard*, including (where applicable) an analysis of how and why the *frequency operating standard* was not met;
 - (3) the rate of change of *power system frequency* associated with the largest *frequency* deviation, and any other significant *frequency* deviation, in each month;
 - (4) *AGC* estimates of the additional electrical power (in MW) required to be produced or consumed to correct a given *power system frequency* deviation (known as the 'area control error'); and
 - (5) a list of any reviewable operating incidents that affected *power system frequency*.
- (c) Where necessary or convenient, *AEMO* may present the information in the weekly reports and quarterly reports separately for the Tasmania *region* and aggregated for the remaining *regions*.

- (d) *AEMO* must publish on its website, the methodology and assumptions used by *AEMO* in preparing each weekly report and quarterly report.