



National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010 No. 13

under the National Electricity Law as applied by:

- (a) the National Electricity (South Australia) Act 1996;
- (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; and
- (g) 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 (Amendments to PASA-related Rules) Rule 2010 No. 13

1 Title of Rule

This Rule is the *National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010 No. 13*

2 Commencement

This Rule commences operation on 16 December 2010.

3 Amendment of the National Electricity Rules

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

4 Savings and Transitional Amendments to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 2.

Schedule 1 Amendments of the National Electricity Rules

[1] Clause 3.7.1 Administration of PASA

In clause 3.7.1(b), omit "*Scheduled Generators and Market Participants*" and substitute "*Registered Participants*".

[2] Clause 3.7.1 Administration of PASA

In clauses 3.7.1(c)(3) and 3.7.1(d), omit "*Scheduled Generators, Semi-Scheduled Generators and Market Participants*" wherever occurring and substitute "*Registered Participants*".

[3] Rule 3.7 Projected Assessment of System Adequacy

In clauses 3.7.1(b), 3.7.1(c)(1)(iv), 3.7.1(c)(3)(ii), 3.7.1(d) and 3.7.3(f), after "*power system security*" wherever occurring, insert "and reliability of *supply*".

[4] Clause 3.7.2 Medium term PASA

Omit clause 3.7.2(a) and substitute:

- (a) The *medium term PASA* covers the 24 month period commencing from the Sunday after the *day* of publication with a daily resolution. Every week, *AEMO* must review and *publish* the outputs of the *medium term PASA* in accordance with the *timetable*.

[5] Rule 3.7 Projected Assessment of System Adequacy

In clauses 3.7.2(b), 3.7.2(g), 3.7.3(c) and 3.7.3(j), omit "*Scheduled Generators, Semi-Scheduled Generators and Market Participants*" wherever occurring and substitute "*Registered Participants*".

[6] Clause 3.7.2 Medium term PASA

In clause 3.7.2(c), omit "*PASA inputs*" and substitute "*medium term PASA inputs*".

[7] Clause 3.7.2 Medium term PASA

In clause 3.7.2(c)(1), after "*forecast load*", insert "information for each *region*".

[8] Clause 3.7.2 Medium term PASA

Omit clause 3.7.2(c)(1)(i) and substitute:

- (i) the 10% probability of exceedence daily *peak load*, most probable daily *peak load* and time of the peak on the basis of past trends, day type and special events including all forecast

scheduled load and other *load* except for pumped storage loads;

[9] Clause 3.7.2 Medium term PASA

Omit clause 3.7.2(c)(2) and substitute:

- (2) *reserve* requirements determined in accordance with the *medium term capacity reserve standards*;

[10] Clause 3.7.2 Medium term PASA

In clause 3.7.2(d), omit "inputs" and substitute "*inputs*".

[11] Clause 3.7.2 Medium term PASA

In clause 3.7.2(d)(1), after "each *day*", insert "taking into account the ambient weather conditions forecast at the time of the 10% probability of exceedence *peak load* (in the manner described in the procedure prepared under paragraph (g))".

[12] Clause 3.7.2 Medium term PASA

In clause 3.7.2(f), after "in respect of each *day*", insert "(unless otherwise specified in subparagraphs (1) to (6))".

[13] Clause 3.7.2 Medium term PASA

In clause 3.7.2(f), omit "3.13.4" and substitute "3.13.4(a)".

[14] Clause 3.7.2 Medium term PASA

Omit clauses 3.7.2(f)(1) to 3.7.2(f)(5) and insert:

- (1) forecasts of the 10% probability of exceedence *peak load*, and most probable *peak load*, excluding the relevant aggregated MW allowance referred to in subparagraph (2), and adjusted to make allowance for *scheduled load*;
- (1A) *reserve* requirements determined in accordance with the *medium term capacity reserve standards*;
- (2) the aggregated MW allowance (if any) to be made by AEMO for *generation* from *non-scheduled generating systems* in each of the forecasts of the 10% probability of exceedence *peak load* and most probable *peak load* referred to in subparagraph (1);
- (3) in respect of each of the forecasts of the 10% probability of exceedence *peak load* and most probable *peak load* referred to in subparagraph (1), a value that is the sum of that forecast and

the relevant aggregated MW allowance referred to in subparagraph (2);

- (4) forecasts of the most probable weekly *energy* for each *region*;
- (5) aggregate *generating unit PASA availability* for each *region*;
- (5A) aggregate capacity for each *region*, after allowing for the impact of *network constraints*, that can be *generated* continuously, calculated by adding the following categories:
 - (i) the capacity of *scheduled generating units* in the *region* that are able to operate at the *PASA availability*; and
 - (ii) the forecast *generation* of *semi-scheduled generating units* in the *region* as provided by the *unconstrained intermittent generation forecasts*;
- (5B) aggregate capacity for each *region*, after allowing for the impact of *network constraints*, that cannot be *generated* continuously at the *PASA availability* of the *scheduled generating units* in the *region* due to specified weekly *energy constraints*; and

[15] Clause 3.7.3 Short term PASA

In clause 3.7.3(a), omit "issued" and substitute "*published*".

[16] Clause 3.7.3 Short term PASA

In clause 3.7.3(b), omit "half hourly" and substitute "*trading interval*".

[17] Clause 3.7.3 Short term PASA

In clause 3.7.3(d)(1), after "forecast *load*", insert "information for each *region*".

[18] Clause 3.7.3 Short term PASA

Omit clause 3.7.3(d)(1)(i) and substitute:

- (i) the 10% probability of exceedence half-hourly *load* and most probable half hourly *load* on the basis of past trends, day type, and special events; and

[19] Clause 3.7.3 Short term PASA

In clause 3.7.3(d)(1), omit "*offers*" and substitute "*bids*".

[20] Clause 3.7.3 Short term PASA

In clause 3.7.3(d)(3), omit "anticipated" and substitute "forecast".

[21] Clause 3.7.3 Short term PASA

In clause 3.7.3(e)(1), omit "availability" and substitute "*available capacity*".

[22] Clause 3.7.3 Short term PASA

In clause 3.7.3(e)(2), after "*trading interval*;" insert "and".

[23] Clause 3.7.3 Short term PASA

Omit clause 3.7.3(e)(3) and substitute "[Deleted]".

[24] Clause 3.7.3 Short term PASA

In clause 3.7.3(h), omit "as *short term PASA* outputs for each *trading interval* in the period covered", and substitute "for each *trading interval* (unless otherwise specified in subparagraphs (1) to (5)) in the period covered by the *short term PASA*".

[25] Clause 3.7.3 Short term PASA

Omit clause 3.7.3(h)(1) and substitute:

- (1) forecasts of the most probable *load* (excluding the relevant aggregated MW allowance referred to in subparagraph (4B)) plus *reserve* requirement (as determined under clause 3.7.3(d)(2)), adjusted to make allowance for *scheduled load*, for each *region*;

[26] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(2), omit "*power system*".

[27] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(2), after "*load*", insert "(excluding the relevant aggregated MW allowance referred to in subparagraph (4B))".

[28] Clause 3.7.3 Short term PASA

Omit clause 3.7.3(h)(3) and substitute:

- (3) forecasts of the most probable *energy* (excluding the relevant aggregated MW allowance referred to in subparagraph (4B)) for each *region* and *trading day*;

[29] Clause 3.7.3 Short term PASA

Omit clause 3.7.3(h)(4) and substitute:

- (4) aggregate *generating unit* availability (excluding the relevant aggregated MW allowance referred to in subparagraph (4B)) for each *region*;
- (4AA) aggregate capacity (excluding the relevant aggregated MW allowance referred to in subparagraph (4B)) for each *region*, after allowing for the impact of *network constraints*, that can be *generated* continuously, calculated by adding the following categories:
 - (i) the *available capacity* of *scheduled generating units* that are able to operate at the availability as notified to AEMO under paragraph (e)(1); and
 - (ii) the forecast *generation* of *semi-scheduled generating units* as provided by the *unconstrained intermittent generation forecasts*;
- (4AB) aggregate capacity (excluding the relevant aggregated MW allowance referred to in subparagraph (4B)) for each *region*, after allowing for the impact of *network constraints*, that cannot be *generated* continuously at the *available capacity* referred to in subparagraph (4AA)(i) due to specified daily *energy constraints*; and

[30] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4A), omit "region" and substitute "*region*".

[31] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4A), after "*PASA availability*", insert "(excluding the relevant aggregated MW allowance referred to in subparagraph (4B))".

[32] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4B), after "(if any)", insert "to be".

[33] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4B)(i), omit "*peak power system load*" and substitute "*load*".

[34] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4B)(ii), omit "and (4A)" and substitute ", (4A), (4AA) and (4AB)".

[35] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4C)(i), omit "*peak power system load*" and substitute "*load*".

[36] Clause 3.7.3 Short term PASA

In clause 3.7.3(h)(4C)(ii), omit "and (4A)" and substitute ", (4A), (4AA) and (4AB)".

[37] Clause 3.7.3 Short term PASA

In clause 3.7.3(i), omit "*short-term PASA*" and substitute "*short term PASA*".

[38] Rule 3.7A Congestion information resource

In clauses 3.7A(a), 3.7A(g) and 3.7A(k)(5), omit "*Market Participants*" wherever occurring and substitute "*Registered Participants*".

[39] Clause 3.13.4 Spot Market

In clauses 3.13.4(a) and 3.13.4(c), omit "outcome" and substitute "outputs".

[40] Clause 4.9.1 Load forecasting

In clause 4.9.1(a)(3), omit "peak load" and substitute "*peak load*".

[41] Chapter 10 Deleted Definition

In Chapter 10, omit the following definition:

medium-term PASA

The PASA in respect of the period from the 8th *day* after the current *trading day* to 24 months after the current *trading day* in accordance with clause 3.7.2.

[42] Chapter 10 Substituted Definitions

Substitute the following definitions in alphabetical order:

medium term capacity reserve

The aggregate amount of generating capacity indicated by the relevant *Generators* as being available any time on a particular *day* during the period covered by the *medium term PASA*, and which is assessed by *AEMO* as being in excess of the capacity requirement to meet the forecast *peak load*, taking into account the known or historical levels of demand management.

medium term capacity reserve standard

The level of *medium term capacity reserve* required for a particular period as set out in the *power system security and reliability standards*.

PASA availability

The *physical plant capability* (taking ambient weather conditions into account in the manner described in the procedure prepared under clause

3.7.2(g)) of a *scheduled generating unit*, *scheduled load* or *scheduled network service* available in a particular period, including any *physical plant capability* that can be made available during that period, on 24 hours' notice.

short term capacity reserve

The aggregate amount of generating capacity indicated by the relevant *Generators* as being available for a particular *trading interval* during the next 7 *trading days*, and assessed by *AEMO* as being in excess of the capacity requirement to meet the forecast *load*, taking into account the known or historical levels of demand management.

short term PASA

The *PASA* in respect of the period described in clause 3.7.3(b), as described under clause 3.7.3.

[43] Chapter 10 New Definitions

Insert the following definitions in alphabetical order:

medium term PASA

The *PASA* in respect of the period described in clause 3.7.2(a), as described under clause 3.7.2.

medium term PASA inputs

The inputs to be prepared in accordance with clauses 3.7.2(c) and (d).

short term PASA inputs

The inputs to be prepared in accordance with clauses 3.7.3(d) and (e).

Schedule 2 Savings and Transitional Amendments to the National Electricity Rules

[1] Chapter 11 Savings and Transitional Rules

After rule 11.37, insert:

Part ZH Spot Market Operations Timetable

11.38 Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010

11.38.1 Definitions

For the purposes of this rule 11.38:

Amending rule means the National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010.

commencement date means the date the Amending Rule commences operation.

11.38.2 Spot market operations timetable

- (a) Clause 3.4.3(b) does not apply to an amendment of the *timetable* made by *AEMO* in accordance with paragraph (b).
- (b) By no later than 9 months after the commencement date, *AEMO* must amend the then current *timetable* as follows:
 - (1) in Table 4.2 PASA and Table 4.4 Market Information of the *timetable*, omit "day 8 days" and substitute "Sunday" wherever occurring; and
 - (2) in Table 4.2 PASA and Table 4.4 Market Information of the *timetable*, omit "Current system targets to cover additional days starting from next Sunday." wherever occurring.
- (c) Clause 3.4.3(c) applies to an amendment of the *timetable* made by *AEMO* in accordance with paragraph (b) as if the words "in accordance with paragraph (b)" in clause 3.4.3(c) were omitted and substituted with the words "in accordance with clause 11.38.2(b)".

[END OF RULE AS MADE]
