Draft National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010

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

Draft National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010

1 Title of Rule

This Rule is the *Draft National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010*.

2 Commencement

This Rule commences operation on [COMMENCEMENT_DATE].

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

[3] Clause 3.7.2   Medium Term PASA

In clause 3.7.2(c)(1)(i), omit "anticipated" and substitute "forecast".

[4] Rule 3.7   Projected Assessment of System Adequacy

In clauses 3.7.2 and 3.7.3, omit "*Scheduled Generators*, *Semi-Scheduled Generators* and *Market Participants*" wherever occurring and substitute "*Registered Participants*".

[5] 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*".

[6] Clause 3.7.2   Medium term PASA

In clause 3.7.2(a), omit "the *day* 8 *days*" and substitute "the Sunday".

[7] Clause 3.7.2   Medium term PASA

In clause 3.7.2(a), after "reviewed and", insert "the outputs of the *medium term PASA*".

[8] Clause 3.7.2   Medium term PASA

In clause 3.7.2(a), omit "issued" and substitute "*published*".

[9] Clause 3.7.2   Medium term PASA

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

[10] Clause 3.7.2   Medium term PASA

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

[11] 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*;

[12] 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*;

[13] Clause 3.7.2   Medium term PASA

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

[14] 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))".

[15] Clause 3.7.2   Medium term PASA

In clause 3.7.2(f), after "information", insert "as *medium term PASA* outputs".

[16] Clause 3.7.2   Medium term PASA

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

[17] Clause 3.7.2   Medium term PASA

After clause 3.7.2(f)(1), insert:

> (1A)   *reserve* requirements determined in accordance with the *medium term capacity reserve standards*;

[18] 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*;

(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* that can be *generated* continuously, calculated by adding the following categories:

    (i)   the capacity of *scheduled generating units* that are able to operate at the full offered *PASA availability*; and

    (ii) the forecast *generation* of *semi-scheduled generating units* as provided by the *unconstrained intermittent generation forecasts*;

(5B) aggregate capacity for each *region* that cannot be *generated* continuously at the full offered *PASA availability* of the *scheduled generating units* due to specified weekly *energy constraints*; and

[19] Clause 3.7.3   Short term PASA

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

[20] Clause 3.7.3   Short term PASA

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

[21] Clause 3.7.3   Short term PASA

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

[22] 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

[23] Clause 3.7.3   Short term PASA

In clause 3.7.3(d)(1)(ii), omit "*dispatch offer*" and substitute "*dispatch bids*".

[24] Clause 3.7.3   Short term PASA

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

[25] Clause 3.7.3   Short term PASA

In clause 3.7.3(e), omit "*short term PASA* inputs" and substitute "*short term PASA inputs*".

[26] Clause 3.7.3   Short term PASA

In clause 3.7.3(e)(1), after "expected *market* conditions", insert "taking the ambient weather conditions forecast at the time of the 10% probability of exceedence *peak load* into account in the manner described in the procedure prepared under clause 3.7.3(j)".

[27] Clause 3.7.3   Short term PASA

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

[28] Clause 3.7.3   Short term PASA

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

[29] Clause 3.7.3   Short term PASA

In clause 3.7.3(h), after "*trading interval*", insert "(unless specified otherwise in clauses 3.7.3(h)(1) to 3.7.3(h)(5))".

[30] 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*;

[31] 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))".

[32] 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*;

[33] 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* 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 full offered availability as notified to AEMO under clause 3.8.4; 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* that cannot be *generated* continuously at the availability referred to in subparagraph (4AA)(i) due to specified daily *energy constraints*; and

[34] Clause 3.7.3   Short term PASA

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

[35] 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)),".

[36] Clause 3.7.3   Short term PASA

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

[37] Clause 3.7.3   Short term PASA

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

[38] Clause 3.7.3   Short term PASA

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

[39] Clause 3.7.3   Short term PASA

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

[40] Clause 3.7.3   Short term PASA

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

[41] Clause 3.7.3   Short term PASA

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

[42] 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*".

[43] Clause 3.13.4   Spot Market

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

[44] Clause 4.9.1   Load forecasting

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

[45] 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*.

medium term PASA

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

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) or clause 3.7.3(j)) 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, when given 24 hours' notice or less that it is required.

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 calculated under clause 3.7.3.

[46] Chapter 10   New Definitions

Insert the following definitions in alphabetical order:

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 11.35, insert:

Part ZF Spot Market Operations Timetable

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

11.36.1   Definitions

For the purposes of this rule 11.36:

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

commencement date means the date the Amending Rule commences operation.

11.36.2   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 "the day 8 days" and substitute "the Sunday" wherever occurring;

    (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; and

    (3) in Table 4.4 Market Information of the *timetable*, omit "the day 8 days" and substitute "the 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 11.36.2(b).