



Draft National Electricity Amendment (Updating Short Term PASA) Rule 2022

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 of the Northern Territory; 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.

Anna Collyer
Chairperson
Australian Energy Market Commission

Draft National Electricity Amendment (Updating Short Term PASA) Rule 2022

1 Title of Rule

This Rule is the *Draft National Electricity Amendment (Updating Short Term PASA) Rule 2022*.

2 Commencement

This Rule commences operation on [COMMENCEMENT_DATE].

3 Title of Rule

This Rule is the *Draft National Electricity Amendment (Updating Short Term PASA) Rule 2022*.

4 Amendment to the National Electricity Rules

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

5 Amendment to the National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021

The *National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021* is amended as set out in Schedule 2.

Schedule 1 Amendment to the National Electricity Rules

(Clause 4)

[1] Clause 3.7.1 Administration of PASA

In paragraph 3.7.1(b), after "(or up to 3 years in advance, where specified)", insert "(the PASA objective)".

[2] Clause 3.7.3 Short Term PASA

Omit clause 3.7.3 and substitute:

- (a) In this clause 3.7.3:
 - PASA objective** has the meaning in clause 3.7.1(b).
 - ST PASA procedures** means the procedures that *AEMO* must develop and publish under paragraph (c).
- (b) The *short term PASA* covers each *30-minute period* (or such shorter period as determined by *AEMO*) in the seven *trading days* from the day of *publication*.
- (c) *AEMO* must develop and *publish*, and may amend from time to time, procedures describing:
 - (1) how *AEMO* will prepare inputs for the *short term PASA* reflecting the factors outlined in paragraph (g);
 - (2) the detailed *short term PASA* information *AEMO* will *publish* to meet the requirements of paragraph (k);
 - (3) the processes or methodologies *AEMO* will apply to produce the *short term PASA* information;
 - (4) the period to be covered by the *short term PASA* in accordance with paragraph (b); and
 - (5) any other information that *AEMO* considers reasonably necessary to implement the PASA objective, having regard to the costs and benefits of collecting the relevant information.
- (d) *AEMO* must comply with the *Rules consultation procedures* when making or amending the ST PASA procedures.
- (e) *AEMO* may make minor or administrative changes to the ST PASA procedures without complying with the *Rules consultation procedures*.
- (f) *AEMO*:
 - (1) must *publish* the *short term PASA* at least daily in accordance with the *timetable*; and

- (2) may *publish* additional updated versions of the *short term PASA* in the event of changes which, in the judgement of *AEMO*, are materially significant.
- (g) *AEMO* must prepare inputs for the *short term PASA* that take into account the following factors, informed by information received by *AEMO* under paragraphs (h) to (j):
 - (1) forecast *load* and *unscheduled generation*, taking into account forecasting uncertainties;
 - (2) forecast *scheduled plant* and *wholesale demand response unit* availability, including any applicable *constraints*;
 - (3) forecast *network constraints* and notified *network outages*; and
 - (4) any other factors *AEMO* considers relevant having regard to the PASA objective.
- (h) Each relevant *Registered Participant* must submit the following information for the *short term PASA* in accordance with the *timetable*, the ST PASA procedures and must represent the *Registered Participant's* current intentions and best estimates:
 - (1) *available capacity* and *PASA availability* of each of the *Registered Participant's* *scheduled generating units*, *wholesale demand response units*, *scheduled loads* or *scheduled network services* in each relevant *30-minute period* (or such other period specified in the ST PASA procedures); and
 - (2) *energy constraints* or *wholesale demand response constraints* (as applicable) for *scheduled generating units*, *scheduled loads* or *wholesale demand response units*; and
 - (3) any other information set out in the ST PASA procedures pursuant to subparagraph 3.7.3(c)(5).

Note

The AEMC proposes to recommend that this paragraph is classified as a tier 1 civil penalty provision under the National Electricity (South Australia) Regulations. (See clause 6(1) and Schedule 1 of the National Electricity (South Australia) Regulations.)

- (i) If *AEMO* considers it reasonably necessary for adequate *power system* operation and the maintenance of *power system security* and reliability of *supply*, *Registered Participants* who may otherwise be exempted from providing inputs for the *PASA* process must do so to the extent specified by *AEMO*.

Note

The AEMC proposes to recommend that this paragraph is classified as a tier 1 civil penalty provision under the National Electricity (South Australia) Regulations. (See clause 6(1) and Schedule 1 of the National Electricity (South Australia) Regulations.)

- (j) *Network Service Providers* must provide to *AEMO* an outline of planned *network outages* in accordance with the *timetable* and provide to *AEMO* any other information on planned *network outages* that is reasonably requested by *AEMO* to assist *AEMO* to meet its obligations under subparagraph 3.7.3(k)(4).

Note

The AEMC proposes to recommend that this paragraph is classified as a tier 1 civil penalty provision under the National Electricity (South Australia) Regulations. (See clause 6(1) and Schedule 1 of the National Electricity (South Australia) Regulations.)

- (k) *AEMO* must prepare and *publish short term PASA* information that reflects the PASA objective and includes for each *30-minute period* (or such other period specified in the ST PASA procedures) in the *short term PASA* period:
- (1) *load* forecasts at a range of probability of exceedance levels;
 - (2) forecasts of the *available capacity* of individual *scheduled plant* and *wholesale demand response units*;
 - (3) forecasts of *PASA availability* of individual *scheduled generating units, scheduled loads, scheduled network services* and *wholesale demand response units*; and
 - (4) identification and quantification of:
 - (i) any projected *violations of power system security*;
 - (ii) any projected failure to meet the *reliability standard* as assessed in accordance with the *reliability standard implementation guidelines*;
 - (iii) any forecast reserve conditions under clause 4.8.4; and
 - (iv) when and where *network constraints* may limit *dispatch of generation or load*.
- (l) If in performing the *short term PASA* *AEMO* identifies any projected failure to meet the *reliability standard* in respect of a *region* as assessed in accordance with the *reliability standard implementation guidelines*, then *AEMO* must use its reasonable endeavours to advise the *Jurisdictional System Security Coordinator* who represents a *participating jurisdiction* in that region of any potential requirements during such conditions to shed *sensitive loads*.

[3] Clause 3.13.4 Spot market

In clause 3.13.4(d), omit "clause 3.7.3(h)" and substitute "clause 3.7.3(k)".

[4] Chapter 10 Omitted definition

In chapter 10, omit definition of "*short term PASA inputs*".

[5] Chapter 10 Substituted definition

In chapter 10, omit and substitute the following definitions in alphabetical order:

energy constraint

A limitation on the quantity of *energy* (expressed in MWh) that a *scheduled generating unit* or *scheduled load* can produce or consume in a specified period.

PASA availability

For a *scheduled generating unit*, *scheduled load* or *scheduled network service* in a given period, its available *physical plant capability* (taking ambient weather conditions into account) and any additional *physical plant capability* that can be made available during that period within a given recall period in accordance with the *reliability standard implementation guidelines*.

For a *wholesale demand response unit* in a given period, it is the maximum available MW *wholesale demand response*, including any *wholesale demand response* that can be made available during that period within a given recall period in accordance with the *reliability standard implementation guidelines*.

short term PASA

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

wholesale demand response constraint

A limitation on the quantity of *wholesale demand response* (expressed in MWh) that a *wholesale demand response unit* can provide in a specified period.

**Schedule 2 Amendment to the National Electricity
Amendment (Integrating energy storage
systems into the NEM) Rule 2021**

(Clause 5)

**[1] Schedule 2 Amendment to Schedule 2 of National
Electricity Amendment (Integrating
energy storage systems into the NEM)
Rule 2021**

In Schedule 2 of the *National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021*, omit Items 38 to 50 and substitute "[Deleted]".

**[2] Schedule 6 Amendment to Schedule 6 of National
Electricity Amendment (Integrating
energy storage systems into the NEM)
Rule 2021**

In Item 2 of Schedule 6 of the *National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021*, omit the definition "**energy constraint**".