



National Electricity Amendment (Unlocking CER benefits through flexible trading) Rule 2024 No. 15

The Australian Energy Market Commission makes the following Rule 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 *National Electricity (New South Wales) Act 1997* of New South Wales;
- (e) the *Electricity - National Scheme (Tasmania) Act 1999* of Tasmania;
- (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.

Anna Collyer
Chairperson
Australian Energy Market Commission

National Electricity Amendment (Unlocking CER benefits through flexible trading) Rule 2024 No. 15

1 Title of Rule

This Rule is the *National Electricity Amendment (Unlocking CER benefits through flexible trading) Rule 2024 No. 15*.

2 Commencement

Schedule 1 of this Rule commences operation on 29 August 2024.

Schedule 2 of this Rule commences operation on 31 May 2026.

Schedules 3, 4 and 5 of this Rule commence operation on 1 November 2026.

Schedule 6 of this Rule commences operation on 29 August 2024.

3 Amendment to the National Electricity Rules (meter display)

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

4 Amendment to the National Electricity Rules (type 9)

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

5 Amendment to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 3.

6 Amendment to the National Electricity Rules (chapter 7)

The National Electricity Rules are amended as set out in Schedule 4.

7 Amendment to the National Electricity Rules (chapter 10)

The National Electricity Rules are amended as set out in Schedule 5.

8 Savings and Transitional Amendment to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 6.

**Schedule 1 Amendment to the National Electricity Rules
(meter display)**

(Clause 3)

[1] Clause 7.8.2 Metering installation components

Omit clause 7.8.2(a)(1), excluding the Note, and substitute:

- (a) has either a visible or an equivalently accessible display of the cumulative total *energy* measured by that *metering installation* (at a minimum), provided by means of a device contained as part of the *metering installation* or, by some other means, made readily available to the customer with no delay;

[2] Clause S7.6.1 General

In clause S7.6.1, in Table S7.6.1.2, in the description for "Whole current Meter", omit "and inspection".

Schedule 2 Amendment to the National Electricity Rules (type 9)

(Clause 4)

[1] Clause 6.20.1 Billing for distribution services

In clause 6.20.1(e)(5), omit "type 4, 4A, 5, 6 or 7" and substitute "type 4, 4A, 5, 6, 7 or 9".

[2] Clause 7.8.2 Metering installation components

In clause 7.8.2(a)(3), omit "*installations* types 1, 2, 3, or 4," and substitute "*installations* types 1, 2, 3, 4 or 9,".

[3] Clause 7.8.2 Metering installation components

In clause 7.8.2(a)(9), omit "type 1, 2, 3, or 4," and substitute "type 1, 2, 3, 4 or 9,".

[4] Clause 7.10.1 Metering Data Services

In clause 7.10.1(a)(2), omit "type 1, 2, 3 and 4" and substitute "type 1, 2, 3, 4 and 9".

[5] Clause 7.10.5 Periodic energy metering

In clause 7.10.5(a)(1), omit "types 1, 2 and 3" and substitute "types 1, 2, 3 and 9".

[6] Clause 7.15.3 Security controls for energy data

In clause 7.15.3(e), omit "types 1, 2, 3 and 4" and substitute "types 1, 2, 3, 4 and 9".

[7] Clause 7.16.3 Requirements of the metrology procedure

In clause 7.16.3(c)(7)(v), omit "and".

[8] Clause 7.16.3 Requirements of the metrology procedure

In clause 7.16.3(c)(8), omit "*metrology procedure.*" and substitute "*metrology procedure;* and".

[9] Clause 7.16.3 Requirements of the metrology procedure

After clause 7.16.3(c)(8), insert a new clause 7.16.3(c)(9) as follows:

- (9) the conditions for classification of a *metering installation* with a *central management system*.

[10] Clause S7.2.2 Categories of registration

Omit clause S7.2.2(a) and substitute the following:

- (a) Registrations for *Metering Providers* in relation to the provision, installation, commissioning and maintenance of *metering installation* types 1, 2, 3, 4, 4A and 9 must be categorised in accordance with:
 - (1) Tables S7.2.2.1, S7.2.2.2 and S7.2.2.3; or
 - (2) other procedures approved by *AEMO*.

[11] Clause S7.2.2 Categories of registration

In clause S7.2.2, in Table S7.2.2.2, insert a new row at the bottom of the table as follows:

9M	Class 1.0 Wh meters and class 1.5 Wh meters with <0.3/cosφ % uncertainty.
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[12] Clause S7.2.3 Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A

Omit the heading to clause S7.2.3 and substitute "Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A and 9".

[13] Clause S7.2.3 Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A and 9

In clause S7.2.3, in the opening paragraph, omit "Category 1A, 2A, 3A and 4M" and substitute "Category 1A, 2A, 3A, 4M and 9M".

[14] Clause S7.2.3 Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A and 9

In clause S7.2.3(f)(1), after "Type 4A – implementation of AS/NZ ISO 9002 to a level agreed with *AEMO*;" insert the following:

Type 9 – implementation of AS/NZ ISO 9002 to a level agreed with *AEMO*;

[15] Clause S7.2.6 Capabilities of the Accredited Service Provider category

Omit clause S7.2.6(a) and substitute:

- (a) The *Accredited Service Providers categories* established by *AEMO* under clause S7.2.2(d) may perform work relating to the installation

of any type of *metering installation* other than type 7 (that is, any of types 1, 2, 3, 4, 4A, 5, 6 or 9 *metering installations*).

[16] Clause S7.3.2 Categories of registration

In clause S7.3.2, in Table S7.3.2.1, omit the second row and substitute the following:

1, 2, 3, 4 and 9	<p>Category 1D, 2D, 3D, 4D and 9M (for <i>remote acquisition</i>, processing and delivery of <i>metering data</i> for <i>connection points</i>)</p> <p>Category 1SAPD, 2SAPD, 3SAPD and/or 4SAPD (for remote acquisition, calculation, processing and delivery of <i>calculated metering data</i> for <i>market connection points</i> for <i>market generating units</i> in a <i>regulated SAPS</i>)</p>	Category 4S (for <i>small customer metering installations</i> in relation to <i>remote acquisition</i> , processing and delivery of <i>metering data</i> for <i>connection points</i>)
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[17] Clause S7.4.3 Accuracy requirements for metering installations

Omit Table S7.4.3.1 and insert the following:

Type	Volume limit per annum per connection point	Minimum acceptable class or standard of components	Metering installation clock error (seconds) in reference to EST
1	greater than 1000GWh	0.2CT/VT/ <i>meter Wh</i> 0.5 <i>meter varh</i>	±5
2	100 to 1000GWh	0.5CT/VT/ <i>meter Wh</i> 1.0 <i>meter varh</i>	±7
3	0.75 to less than 100 GWh	0.5CT/VT 1.0 <i>meter Wh</i> 2.0 <i>meter varh</i> (Item 1)	±10
4	less than 750 MWh (Item 2)	<p>Either 0.5 CT and 1.0 <i>meter Wh</i>; or whole current general purpose <i>meter Wh</i>:</p> <ul style="list-style-type: none"> meets the requirements of clause 7.8.2(a)(9); and 	±20 (Item 2a)

		<ul style="list-style-type: none"> meets the requirements of clause 7.10.6(d). <p>(Item 1)</p> <p>For type 4 <i>metering installations</i> that do not provide <i>trading interval energy data</i>, processes used to convert the <i>interval metering data</i> into <i>trading interval metering data</i> and <i>estimated metering data</i> where necessary are included in the <i>metrology procedure</i>.</p>	
4A	less than x MWh (Item 3)	<p>Either 0.5 CT and 1.0 <i>meter Wh</i>; or whole current general purpose <i>meter Wh</i>:</p> <ul style="list-style-type: none"> meets the requirements of clause 7.8.2(a)(10); and has the capability, if remote access is activated, of providing the services in table S7.5.1.1; and meets the requirements of clause 7.10.7(d). <p>Processes used to convert the <i>interval metering data</i> for type 4A <i>metering installations</i> into <i>trading interval metering data</i> and <i>estimated metering data</i> where necessary are included in the <i>metrology procedure</i>.</p>	±20 (Item 2a)
5	less than x MWh (Item 3)	<p>Either 0.5 CT and 1.0 <i>meter Wh</i>; or whole current general purpose <i>meter Wh</i>:</p> <ul style="list-style-type: none"> meets the requirements of clause 7.8.2(a)(10); and meets the requirements of clause 7.10.7(d). <p>Processes used to convert the <i>interval metering data</i> for type 5 <i>metering installations</i> into <i>trading interval metering data</i> and <i>estimated metering data</i> where</p>	±/-20 (Item 3a)

		necessary are included in the <i>metrology procedure</i> .	
6	less than y MWh (Item 4)	CT or whole current general purpose <i>meter</i> Wh recording <i>accumulated energy data</i> only. Processes used to convert the <i>accumulated metering data</i> into <i>trading interval metering data</i> and <i>estimated metering data</i> where necessary are included in the <i>metrology procedure</i> . (Item 1)	(Item 4a)
7	volume limit not specified (Item 5)	No <i>meter</i> . The <i>metering data</i> is <i>calculated metering data</i> determined in accordance with the <i>metrology procedure</i> .	n/a
9 (Item 8)	less than 750 MWh (Item 5)	Either 0.5 CT and 1.0 <i>meter</i> Wh; or whole current general purpose <i>meter</i> Wh: <ul style="list-style-type: none"> meets the requirements of clause 7.8.2(a)(9); and meets the requirements of clause 7.10.6(d). (Item 1)	±20 (Item 2a)

[18] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, in Item 1(a), omit "For a type 3, 4, 4A and 5 and 6 *metering installation*" and insert "For a type 3, 4, 4A, 5, 6 or 9 *metering installation*".

[19] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, in Item 2a, omit "type 4 and 4A" and insert "type 4, 4A or 9".

[20] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, omit Item 3b.

[21] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, omit Item 4b.

[22] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, omit Item 6 and substitute the following:

Item 6:	[Deleted]
Item 7:	The maximum allowable error of a type 9 <i>metering installation</i> may be relaxed in the <i>metrology procedure</i> to accommodate evolving technologies provided that such relaxation is consistent with any regulations published under the <i>National Measurement Act</i> .
Item 8:	A type 9 <i>metering installation</i> may include a <i>central management system</i> .

[23] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit the heading for Table S7.4.3.5 and substitute "**Type 4 (other than Category 4S and 4A), Type 5 and Type 9 Metering Installation Overall Accuracy Requirements – Annual Energy Throughput less than 0.75 GWh**".

[24] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit Table S7.4.3.5 and substitute the following:

% Rated Load	Power Factor		
	Unity	0.866 lagging	0.5 lagging
	active	active	active
5	2.5%	2.5%	Not used
20	2.0%	2.0%	3.0%
100	1.5%	1.5%	Not used

[25] Clause S7.4.4 Check metering

In clause S7.4.4(a), in the Table, omit "4, 4A, 5 and 6" and substitute "4, 4A, 5, 6 and 9".

[26] Clause S7.5.1 Minimum services specification

In clause S7.5.1, omit the heading and substitute "**Minimum services specification other than for type 9 metering installations**".

[27] Clause S7.5.1 Minimum services specification other than for type 9 metering installations

In clause S7.5.1, in the first paragraph, after "*A metering installation*" insert "(other than a type 9 *metering installation*)".

[28] Clause S7.5.2 Minimum services specification for type 9 metering installations

After clause S7.5.1, insert a new clause S7.5.2 as follows:

S7.5.2 Minimum services specification for type 9 metering installations

- (a) *AEMO* must establish, maintain and *publish* procedures that set out each service required to be provided by type 9 *metering installations*.
- (b) In making procedures under paragraph (a), *AEMO* must have regard to the principle that a service provided by a type 9 *metering installation* must:
 - (1) comply with any applicable requirements of the *National Measurement Act*;
 - (2) provide for the recording of sufficient historical data consistent with current requirements of the *Rules*;
 - (3) provide for the remote retrieval of *metering data*; and
 - (4) provide for *interval energy data* to be prepared and recorded in intervals which correspond to a *trading interval*.
- (c) A type 9 *metering installation* meets the *minimum services specification* if it:
 - (1) is capable of providing the services specified for the relevant type of *metering installations* in the procedures made under paragraph (a);
 - (2) is connected to a *telecommunications network* which enables remote access to the *metering installation*; and
 - (3) achieves the maximum allowable overall error ($\pm\%$) at rates not exceeding the rates set out in table S7.4.3.5 or S7.4.3.7 (as applicable).

[29] Clause S7.6.1 General

In clause S7.6.1, in Table S7.6.1.2, omit the heading "**Type 4 & 4A**" and substitute "**Type 4, 4A & 9**".

[30] Clause S7.6.1 General

In clause S7.6.1, omit Table S7.6.1.3 and substitute:

Description	Metering Installation Type			
	Type 1	Type 2	Type 3	Type 4, 4A, 5, 6 and 9
<i>Metering installation equipment inspection (other than whole current)</i>	2.5 years	12 months (2.5 years if <i>check metering installation</i> installed)	2.5 years	5 years
<i>Whole current metering installation</i>	The inspection requirements must be in accordance with an asset management strategy. Guidelines for the development of the asset management strategy must be recorded in the <i>metrology procedure</i> .			

[31] Chapter 10 Glossary

Insert a new definition of "*central management system*" in alphabetical order as follows:

central management system

A device or system that collects electronic signals from *measurement elements* and packages it into *trading intervals*. The device or system may contain *energy data* storage and display capability for a *metering installation*.

[32] Chapter 10 Glossary

In the definition of "*interval energy data*" omit "1, 2 and 3" and substitute "1, 2, 3 and 9".

[33] Chapter 10 Glossary

Omit the definition of "*metering installation*" and substitute:

metering installation

The assembly of components that are controlled for the purpose of metrology and which lie between the *metering point(s)* and the point at or

near the *metering point(s)* where the *energy data* is made available for collection, including any:

- (a) *instrument transformer*;
- (b) *measurement element(s)* and processes;
- (c) recording and display equipment;
- (d) *communications interface*;
- (e) *central management system*;
- (f) communications equipment and processes that lie between *measurement elements* and the *central management system*.

Note

The assembly of components may include the combination of several *metering points* to derive the *metering data* for a *connection point*.

Schedule 3 Amendment to the National Electricity Rules

(Clause 5)

[1] Clause 2.1A.3 Purchasing and selling electricity directly in the market

In clause 2.1A.3, after all references to "*connection point*" insert "*or secondary settlement point*".

[2] Clause 2.1B.2 Registration as an Integrated Resource Provider

In clause 2.1B.2(a)(2), after "*connection point*" insert "*or secondary settlement point*".

[3] Clause 2.1B.2 Registration as an Integrated Resource Provider

In clause 2.1B.2(a)(3), after "*small resource connection point*" insert "*or a small resource secondary settlement point*".

[4] Clause 2.1B.4 Registration as a Customer

In clause 2.1B.4(a)(2)(i), after "*connection point*" insert "*or secondary settlement point*".

[5] Clause 2.1B.4 Registration as a Customer

In clause 2.1B.4(b), after "*connection points*" insert "*or secondary settlement points*".

[6] Clause 2.2.4 Market generating units

In clause 2.2.4(c), after "*sent out generation*" insert "*from its market generating unit*".

[7] Clause 2.2.4 Market generating units

Omit clause 2.2.4(d) and substitute the following:

- (d) A *Market Generator* must purchase from the *spot market* all electricity supplied through the *national grid* to the *connection point* for each of its *market generating units* (other than any part of that electricity supplied to a *secondary settlement point* for which another *Market Participant* is *financially responsible*) and make payments to *AEMO* for such electricity in accordance with the provisions of Chapter 3.

[8] Clause 2.2.5A Market bidirectional units

In clause 2.2.5A(c), after "*Integrated Resource Provider must purchase*" insert "*from the spot market*".

[9] Clause 2.2.5A Market bidirectional units

In clause 2.2.5A(c), omit "*market bidirectional units from the spot market*" and substitute "*market bidirectional units (other than any part of that electricity supplied to a secondary settlement point for which another Market Participant is financially responsible)*".

[10] Clause 2.2.8 Small generating units and small bidirectional units

After clause 2.2.8(a), insert a new clause 2.2.8(a1) as follows:

- (a1) Subject to paragraph (b), an *Integrated Resource Provider* may classify a *small resource secondary settlement point* within the premises of a *large customer* as one of its *market connection points*.

[11] Clause 2.2.8 Small generating units and small bidirectional units

Omit clause 2.2.8(b) and substitute the following:

- (b) A person must not classify a *small resource connection point* or a *small resource secondary settlement point* as a *market connection point* unless the person satisfies the requirements of the *participating jurisdiction* in which the *connection point* or *secondary settlement point* is situated so that (subject to compliance with the *Rules*) the person is permitted to purchase or sell electricity (as applicable) in the *spot market* in relation to that *connection point* or *secondary settlement point*.

[12] Clause 2.2.8 Small generating units and small bidirectional units

In clause 2.2.8(c), after "*small resource connection points*" insert "*and small resource secondary settlement points*".

[13] Clause 2.2.8 Small generating units and small bidirectional units

In clause 2.2.8(c), omit "paragraph (b)" and substitute "paragraph (a) or (a1)".

[14] Clause 2.2.8 Small generating units and small bidirectional units

In clause 2.2.8(e), after "*Small Resource Aggregator must purchase*" insert "*from the spot market*".

**[15] Clause 2.2.8 Small generating units and small
bidirectional units**

In clause 2.2.8(e), omit "from the *spot market* and make payments" and substitute "(other than any part of that electricity supplied to a *secondary settlement point* for which another *Market Participant* is *financially responsible*) and make payments".

**[16] Rule 2.3 Connection point and connected plant
classifications**

In rule 2.3, in the heading, after "Connection point" insert ", secondary settlement point".

[17] Clause 2.3.1A Jurisdictional requirements

In clause 2.3.1A(a), after all references to "*connection point*" insert "or *secondary settlement point*".

[18] Clause 2.3.1A Jurisdictional requirements

In clause 2.3.1A(b), after "any *connection point*" insert "or *secondary settlement point*".

[19] Clause 2.3.2 [Deleted]

Omit clause 2.3.2, including the heading, and substitute:

2.3.2 When a large customer becomes a small customer

- (a) This clause applies where:
 - (1) a *Market Participant* has classified a *secondary settlement point* within the premises of a person who was a *large customer* as one of its *market connection points*;
 - (2) the *Market Participant* is not also *financially responsible* for the *connection point* for the premises; and
 - (3) the person ceases to be classified as a *large customer*.
- (b) Where this clause applies:
 - (1) the *Market Participant* must notify *AEMO* that the customer has ceased to be classified as a *large customer* as soon as practicable and in any event no later than 10 *business days* after becoming aware of the change; and
 - (2) the *Market Participant* must cease to classify the *secondary settlement point* as one of its *market connection points* from the time the notice is given.

Note

For a *secondary settlement point* that is not classified as a *market settlement point*, subtractive metering is not used to calculate *settlements* and so the *financially responsible Market Participant* for the relevant *connection point* will be *financially responsible* for electricity *supplied* to or from the *secondary settlement point*.

[20] Clause 2.3.3 [Deleted]

Omit clause 2.3.3, including the heading, and substitute:

2.3.3 When a scheduled resource is established at premises

- (a) This clause applies where:
 - (1) a *Market Participant* has classified a *secondary settlement point* within premises as one of its *market connection points*; and
 - (2) the premises ceases to satisfy any of the criteria in clause 7.2.6 for the establishment of a *secondary settlement point*.
- (b) Where this clause applies, the *Market Participant* must cease to classify the *secondary settlement point* as one of its *market connection points* from the time the premises ceases to satisfy the relevant criterion in clause 7.2.6 or any later time approved by *AEMO*.

[21] Clause 2.3.4 Market connection point classification

After clause 2.3.4(a), insert a new clause 2.3.4(a1) as follows:

- (a1) A *small resource secondary settlement point* which has been classified by an *Integrated Resource Provider* under clause 2.2.8(a1) is a *market connection point* of the *Integrated Resource Provider* (in its capacity as a *Small Resource Aggregator*).

[22] Clause 2.3.4 Market connection point classification

After clause 2.3.4(b), insert new clauses 2.3.4(b1), 2.3.4(b2) and 2.3.4(b3) as follows:

- (b1) Subject to paragraphs (b2), (b3) and (c), if electricity *supplied* through a *connection point* on the *national grid* to or from a *secondary settlement point* is purchased or sold by any person (**end user**), that *secondary settlement point* may be classified as a *market connection point* of:
 - (1) the end user (if registered as a *Customer* or an *Integrated Resource Provider*); or
 - (2) with the consent of the end user, a *Customer* or an *Integrated Resource Provider*.
- (b2) A *secondary settlement point* within the premises of a *small customer* may only be classified as a *market connection point* of the *Market*

Participant that is also *financially responsible* for the *connection point* for the premises.

- (b3) A *secondary settlement point* cannot be classified as a *market connection point* if the *connection point* for the premises at which the *secondary settlement point* is situated is a *connection point* for a *scheduled resource*.

[23] Clause 2.3.4 Market connection point classification

Omit clause 2.3.4(c) and substitute:

- (c) Paragraphs (b) and (b1) do not apply to any *connection point* or *secondary settlement point*:
- (1) taken to be a *market connection point* of another *Market Participant* under paragraph (a) or (a1); or
 - (2) classified by a *Local Retailer* in accordance with paragraph (i).

[24] Clause 2.3.4 Market connection point classification

In clause 2.3.4(d), omit "paragraph (b) or (i)" and substitute "paragraph (b), (b1) or (i)".

[25] Clause 2.3.4 Market connection point classification

In clause 2.3.4(e), after "paragraph (b)" insert "or (b1)".

[26] Clause 2.3.4 Market connection point classification

In clause 2.3.4(f), after "*Market Customer* must purchase" insert "from the *spot market*".

[27] Clause 2.3.4 Market connection point classification

In clause 2.3.4(f), omit "*market connection points* from the *spot market*" and substitute "*market connection points* (other than any part of that electricity supplied to a *secondary settlement point* for which another *Market Participant* is *financially responsible*)".

[28] Clause 2.3.6 Wholesale demand response units

In clause 2.3.6(m)(1)(vi), omit "and".

[29] Clause 2.3.6 Wholesale demand response units

After clause 2.3.6(m)(1)(vii), insert a new clause 2.3.6(m)(1)(viii) as follows:

- (viii) if there is a *secondary settlement point* with the premises *connected* at the *connection point*, the *secondary settlement point* is not classified as a *market connection point* of a *Market Participant*; and

[30] Clause 2.3C.2 Market SAPS Resource Provider

Omit clause 2.3C.2(a) and substitute:

- (a) *A Market SAPS Resource Provider must sell all sent out generation from its market connection points through the market and accept payments from AEMO for the sent out generation at the price applicable at the connection point for which it is financially responsible as determined for each trading interval in accordance with the provisions of Chapter 3.*

[31] Clause 2.3C.2 Market SAPS Resource Provider

Omit clause 2.3C.2(b) and substitute:

- (b) *A Market SAPS Resource Provider must purchase all electricity supplied to its market connection points from the market and must make payments to AEMO for such electricity as determined for each trading interval in accordance with the provisions of Chapter 3.*

[32] Clause 2.3D.1 Classification of ancillary service units

In clause 2.3D.1(a)(1), omit "*connected*".

[33] Clause 2.3D.1 Classification of ancillary service units

In clause 2.3D.1(a)(2), omit "*connected*".

[34] Clause 2.3D.1 Classification of ancillary service units

In clause 2.3D.1(b)(2), omit "*connected*".

[35] Clause 2.3D.1 Classification of ancillary service units

In clause 2.3D.1(f)(3), omit "*relevant connection point*" and substitute "*relevant market connection point*".

[36] Clause 2.4A.1 Registration as a Metering Coordinator

In clause 2.4A.1(a), after "*connection point*" insert "*or secondary settlement point*".

[37] Clause 2.4A.2 Eligibility

Omit clause 2.4A.2(b)(1) and substitute:

- (1) a person who is only appointed, or is proposed to be only appointed, as *Metering Coordinator* in respect of one or more:
 - (i) *connection points* or proposed *connection points* on a *transmission network*; or

- (ii) *secondary settlement points* or proposed *secondary settlement points* associated with such a *connection point*.

[38] Clause 2.4A.2 Eligibility

Omit clause 2.4A.2(b)(2) and substitute:

- (2) a *Generator* or *Integrated Resource Provider* who is only appointed, or is proposed to be only appointed, as *Metering Coordinator* in respect of one or more:
 - (i) *connection points* or proposed *connection points* that connect a *Generator's* or *Integrated Resource Provider's* generating unit or *bidirectional unit* to a *distribution network* (excluding, to avoid doubt, any *small resource connection point* or *small resource secondary settlement point* classified by an *Integrated Resource Provider* in its capacity as a *Small Resource Aggregator*); or
 - (ii) *secondary settlement points* or proposed *secondary settlement points* associated with such a *connection point*.

[39] Clause 2.4A.2 Eligibility

In clause 2.4A.2(c), after "to a *distribution network*" insert ", or one or more *secondary settlement points* or proposed *secondary settlement points* associated with such a *connection point*".

[40] Clause 2.10.1 Notification of intention

In clause 2.10.1(c), after "more *connection points*" insert ", *secondary settlement points*".

[41] Clause 2.10.1 Notification of intention

In clause 2.10.1(c1)(1)(ii), after "more *connection points*" insert "or *secondary settlement points*".

[42] Clause 2.10.1 Notification of intention

In clause 2.10.1(e)(2), after "certain *connection points*" insert "or *secondary settlement points*".

[43] Clause 2.11.1A Application

In clause 2.11.1A, after "*Embedded Network Managers*" insert "or *NMI Service Providers*".

[44] Rule 2.12 Interpretation of references to various entities

Omit rule 2.12(b)(1A) and substitute:

- (1A) a "*Small Resource Aggregator*" applies to a person registered as an *Integrated Resource Provider* only in so far as it is applicable to matters connected with the person's *small resource connection points* or *small resource secondary settlement points* classified under clause 2.2.8(a) or (a1);

[45] Rule 2.12 Interpretation of references to various entities

In subrule 2.12(b)(3), after "with *connection points*" insert "or *secondary settlement points*".

[46] Clause 3.13.12 NMI Standing Data

In clause 3.13.12(a)(1), omit "*connection points*" and substitute "*market connection points*".

[47] Clause 3.13.12 NMI Standing Data

In clause 3.13.12(c), omit all references to "*connection points*" and substitute "*market connection points*".

[48] Clause 3.13.12 NMI Standing Data

In clause 3.13.12(d)(2), omit "*connection points*" and substitute "*market connection points*".

[49] Clause 3.15.3 Connection point and virtual transmission node responsibility

In clause 3.15.3(a), omit "for that *connection point*".

[50] Clause 3.15.3 Connection point and virtual transmission node responsibility

In clause 3.15.3(a), omit "such a *connection point* is" and substitute "a *market connection point* is".

[51] Clause 3.15.3 Connection point and virtual transmission node responsibility

In clause 3.15.3(a)(1), after "classified the *connection point*" insert "or *secondary settlement point*".

[52] Clause 3.15.4 Adjusted gross energy amounts – connection points

In clause 3.15.4(b)(2), omit "*connection point*" and substitute "*market connection point*".

[53] Clause 3.15.4 Adjusted gross energy amounts – connection points

In clause 3.15.4(d), omit all references to "*connection point*" and substitute "*market connection point*".

[54] Clause 3.15.4 Adjusted gross energy amounts – connection points

In clause 3.15.4(e), omit all references to "*connection point*" and substitute "*market connection point*".

[55] Clause 3.15.5 Unaccounted for energy adjustment – local areas

In clause 3.15.5(a), in the description of "ADME", omit "each *connection point*" and substitute "each *market connection point*".

[56] Clause 3.15.6 Spot market transactions

In clause 3.15.6(a), in the definition of "TLF", omit "that *connection point*" and substitute "that *market connection point*".

[57] Clause 3.15.6 Spot market transactions

In clause 3.15.6(a), in the definition of "TLF", omit "any other *connection point*" and substitute "any other *market connection point*".

[58] Clause 3.15.6 Spot market transactions

In clause 3.15.6(a), in the definition of "RRP", omit "*connection point*" and substitute "*market connection point*".

[59] Clause 3.15.6 Spot market transactions

In clause 3.15.6(a), in the Note, omit "one *connection point*" and substitute "one *market connection point*".

[60] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c3)(1), omit "*connection point*" and substitute "*market connection point*".

[61] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c8), in the description of " $ACE_{i,R}$ (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[62] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c8), in the description of " $ACE_{i,R}$ (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[63] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c8), in the description of " $AACE_{i,R}$ (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[64] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c8), in the description of " $AACE_{i,R}$ (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[65] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c9), in the description of " ACE_i (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[66] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c9), in the description of " ACE_i (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[67] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c9), in the description of " $AACE_i$ (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[68] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(c9), in the description of " $AACE_i$ (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[69] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(d), in the description of " $TSOE_{i,R}$ (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[70] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(d), in the description of " $TSOE_{i,R}$ (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[71] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(d), in the description of " $ATSOE_{i,R}$ (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[72] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(d), in the description of "ATSOE_{i,R} (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[73] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(e), in the description of "TCE_{i,R} (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[74] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(e), in the description of "TCE_{i,R} (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[75] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(e), in the description of "ATCE_{i,R} (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[76] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(e), in the description of "ATCE_{i,R} (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[77] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(f1), in the description of "TSOE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[78] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(f1), in the description of "RATSOE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[79] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(g1), in the description of "TCE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[80] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(g1), in the description of "TCE (in MWh)", omit "*connection point*" and substitute "*market connection point*".

[81] Clause 3.15.6A Ancillary service transactions

In clause 3.15.6A(g1), in the description of "RATCE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[82] Clause 3.15.8 Funding of Compensation for directions

In clause 3.15.8(g), in the description of "TSOE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[83] Clause 3.15.8 Funding of Compensation for directions

In clause 3.15.8(g), in the description of "TCE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[84] Clause 3.15.8 Funding of Compensation for directions

In clause 3.15.8(g), in the description of "RATSOE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

[85] Clause 3.15.8 Funding of Compensation for directions

In clause 3.15.8(g), in the description of "RATCE (in MWh)", omit "*connection points*" and substitute "*market connection points*".

**[86] Clause 3.15.8A Funding of compensation for market
suspension pricing schedule periods**

In clause 3.15.8A(b), in the description of "E", omit "*connection point*" and substitute "*market connection point*".

[87] Clause 3.15.9A Procurer of last resort cost allocation

In clause 3.15.9A(k), omit "*connection points*" and substitute "*market connection points*".

**[88] Clause 3.15.10 Administered price cap or administered
floor price compensation payments**

In clause 3.15.10(b), in the description of " E_i ", omit "*connection point*" and substitute "*market connection point*".

**[89] Clause 3.21.1 Application of this Chapter to a regulated
SAPS**

In clause 3.21.1(a), omit "*connection points*" and substitute "*market connection points*".

**[90] Clause 3.21.1 Application of this Chapter to a regulated
SAPS**

In clause 3.21.1(b), omit "*connection points*" and substitute "*market connection points*".

[91] Clause 3.21.1 Application of this Chapter to a regulated SAPS

In clause 3.21.1(b)(2), omit "*connection point*" and substitute "*market connection point*".

[92] Clause 3.21.1 Application of this Chapter to a regulated SAPS

In clause 3.21.1(c), omit "*connection points*" and substitute "*market connection points*".

[93] Clause 3.21.3 SAPS trading amount

In clause 3.21.3(a), omit "*connection point*" and substitute "*market connection point*".

[94] Clause 3.21.3 SAPS trading amount

In clause 3.21.3(a), in the description of "ME", omit all references to "*connection point*" and substitute "*market connection point*".

[95] Clause 4.3.5 Market Customer obligations

In clause 4.3.5(a), omit "*connection points*" and substitute "*market connection points*".

[96] Clause 4A.D.1 Application

In clause 4A.D.1(b), omit all references to "*connection point*" and substitute "*market connection point*".

[97] Clause 4A.D.2 Liable entities

In clause 4A.D.2, omit all references to "*connection point*" and substitute "*market connection point*".

[98] Clause 4A.D.3 New entrants

In clause 4A.D.3(a), omit "*connection point*" and substitute "*market connection point*".

[99] Clause 4A.D.3 New entrants

In clause 4A.D.3(c), omit "*all connection points*" and substitute "*all market connection points*".

[100] Clause 4A.D.3 New entrants

In clause 4A.D.3(c), after "*any small resource connection points*" insert "*or small resource secondary settlement points*".

[101] Clause 4A.D.4 Application to register as large opt-in customer

In clause 4A.D.4, omit all references to "*connection point*" and substitute "*market connection point*".

[102] Clause 4A.D.4 Application to register as large opt-in customer

In clause 4A.D.4, omit all references to "*connection points*" and substitute "*market connection points*".

[103] Clause 4A.D.5 Application to register as prescribed opt-in customer

In clause 4A.D.5, omit all references to "*connection point*" and substitute "*market connection point*".

[104] Clause 4A.D.6 Thresholds

In clause 4A.D.6, omit all references to "*connection point*" and substitute "*market connection point*".

[105] Clause 4A.D.6 Thresholds

In clause 4A.D.6, omit all references to "*connection points*" and substitute "*market connection points*".

[106] Clause 4A.D.8 AER approval of applications

In clause 4A.D.8, omit all references to "*connection point*" and substitute "*market connection point*".

[107] Clause 4A.D.9 AER opt-in register

In clause 4A.D.9(c), omit all references to "*connection points*" and substitute "*market connection points*".

[108] Clause 4A.D.10 Changes to register

In clause 4A.D.10, omit all references to "*connection point*" and substitute "*market connection point*".

[109] Clause 4A.D.11 AER register taken to be correct

In clause 4A.D.11, omit the subheading "**Definitions**".

[110] Clause 4A.D.11 AER register taken to be correct

In clause 4A.D.11, renumber paragraphs (a0) and (a) as paragraphs (a) and (b), respectively.

[111] Clause 4A.D.11 AER register taken to be correct

In clause 4A.D.11(b), omit "*connection point*" and substitute "*market connection point*".

[112] Clause 4A.D.13 AER Opt-In Guidelines

In clause 4A.D.13(b)(7), omit "*connection point*" and substitute "*market connection point*".

[113] Clause 4A.D.13 AER Opt-In Guidelines

In clause 4A.D.13(b)(8), omit "*connection points*" and substitute "*market connection points*".

[114] Clause 4A.D.13 AER Opt-In Guidelines

In clause 4A.D.13(b)(11), omit "*connection point*" and substitute "*market connection point*".

[115] Clause 4A.E.7 Adjustment of net contract position

In clause 4A.E.7(b)(1), omit "*connection points*" and substitute "*market connection points*".

[116] Clause 4A.E.7 Adjustment of net contract position

In clause 4A.E.7(b)(2), omit "*connection points*" and substitute "*market connection points*".

[117] Clause 4A.E.7 Adjustment of net contract position

In clause 4A.E.7(b)(3), omit all references to "*connection point*" and substitute "*market connection point*".

[118] Clause 4A.F.1 Application

In clause 4A.F.1(c)(1), omit all references to "*connection point*" and substitute "*market connection point*".

[119] Clause 4A.F.1 Application

In clause 4A.F.1(c)(2), omit "*connection point*" and substitute "*market connection point*".

[120] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(1), omit "*connection point*" and substitute "*market connection point*".

[121] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(1), omit "*connection points*" and substitute "*market connection points*".

[122] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(2), omit all references to "*connection point*" and substitute "*market connection point*".

[123] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(2), omit "*connection points*" and substitute "*market connection points*".

[124] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(2A), omit all references to "*connection point*" and substitute "*market connection point*".

[125] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(3), omit all references to "*connection point*" and substitute "*market connection point*".

[126] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(b)(4), omit "*connection point*" and substitute "*market connection point*".

[127] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(c), omit all references to "*connection points*" and substitute "*market connection points*".

[128] Clause 4A.F.3 Share of one-in-two year peak demand forecast

In clause 4A.F.3(d)(2), omit "*connection points*" and substitute "*market connection points*".

[129] Clause 5A.A.4 SAPS Resource Provider deemed to be agent of a retail customer

In clause 5A.A.4, omit "at which the relevant *generating unit* is *connected* to the *stand-alone distribution system*" and substitute "for the *small generating unit* or *small bidirectional unit*".

[130] Clause 6.20.1 Billing for distribution services

In clause 6.20.1(b), omit "Subject to paragraph (c)" and substitute "Subject to paragraphs (c) and (c1)".

[131] Clause 6.20.1 Billing for distribution services

After clause 6.20.1(c), insert a new clause 6.20.1(c1) as follows:

- (c1) For the purpose of paragraph (b), where:
- (1) a *Market Customer* or *Small Resource Aggregator* (the **primary Market Participant**) is *financially responsible* for the *connection point* for premises in respect of which a *Distribution Customer* referred to in paragraph (b) (other than a *Market Customer* or *Small Resource Aggregator*) has incurred *distribution service charges*; and
 - (2) another *Market Participant* is *financially responsible* for one or more *secondary settlement points* within the premises,
- the *Distribution Network Service Provider* must bill the *distribution service charges* to the primary *Market Participant*.

[132] Clause 6.20.1 Billing for distribution services

Omit clause 6.20.1(e) and substitute the following:

- (e) Charges for *distribution services* based on metered kW, kWh, kVA, or kVAh for *connection points* on a *Distribution Network Service Provider's distribution network*, except *connection points* with adjacent *distribution networks*, must be calculated, for type 1, 2, 3, 4, 4A, 5, 6, 7, 8A, 9 or *non-contestable unmetered load metering installations*, by the *Distribution Network Service Provider* from:
- (1) *metering data* obtained from a *Metering Data Provider's metering data services database*; or

- (2) where appropriate, *settlements ready data* obtained from *AEMO's metering database*.

[133] Clause 6B.A2.1A Premises with secondary settlement points

Insert a new clause 6B.A2.1A as follows:

6B.A2.1A Premises with secondary settlement points

For the purpose of clause 6B.A2.1, where:

- (a) a *retailer* (the **primary retailer**) is *financially responsible* for the *connection point* for premises; and
 - (b) another *Market Participant* is *financially responsible* for one or more *secondary settlement points* within the premises,
- the *retailer* responsible for paying the *network charges* payable in respect of the *shared customer* at the premises is the primary retailer.

[134] Clause 8.2.1 Application and guiding principles

In clause 8.2.1(a1), after "*Metering Data Providers, Embedded Network Managers*" insert ", *NMI Service Providers*".

[135] Clause 8.2.1 Application and guiding principles

In clause 8.2.1(h)(10), after "clause 7.2.1(b)" insert "or 7.2.6(e)".

[136] Clause 8.2.1 Application and guiding principles

In clause 8.2.1(h)(10), after "respect of a *connection point*" insert "or *secondary settlement point*".

[137] Clause 8.2.1 Application and guiding principles

Omit clause 8.2.1(h)(11) and substitute the following:

- (11) a decision by *AEMO* whether or not to deregister a *Metering Provider, Metering Data Provider, Embedded Network Manager* or *NMI Service Provider* under clause 7.4.4(d) or to suspend such an entity from a category of registration under clause 7.4.4(d) or to impose agreed constraints on the continued operation of such an entity;

[138] Clause 8.2A.2 How rule 8.2 applies

In clause 8.2A.2(b)(2), after "*Embedded Network Managers*" insert ", *NMI Service Providers*".

[139] Clause 8.6.1A Application

In clause 8.6.1A, after "*Embedded Network Managers*," insert "*NMI Service Providers*".

Schedule 4 Amendment to the National Electricity Rules (chapter 7)

(Clause 6)

[1] Clause 7.1.1 Contents

In clause 7.1.1(b1), after "*Embedded Network Managers*" insert "and *NMI Service Providers*".

[2] Clause 7.1.2 Meaning of connection point in this Chapter

After clause 7.1.1, insert a new clause 7.1.2 as follows:

7.1.2 Meaning of connection point in this Chapter

In this Chapter, excluding clause 7.2.6, *connection point* means each of the following:

- (a) a *connection point* as defined in Chapter 10; and
- (b) a *secondary settlement point*.

[3] Clause 7.2.6 Establishing secondary settlement points within premises

After clause 7.2.5, insert a new clause 7.2.6 as follows:

7.2.6 Establishing secondary settlement points within premises

- (a) A *Market Participant* may establish a *metering installation* situated within the premises of an end user (including within a *single user network* or premises in an *embedded network*) as a *secondary settlement point* if:
 - (1) the premises satisfy the criteria in paragraph (b); and
 - (2) the *metering installation* satisfies the criteria in paragraph (c); and
 - (3) the *Market Participant* is, or proposes to be, *financially responsible* for the *secondary settlement point*.
- (b) For paragraph (a)(1), the criteria are that:
 - (1) electricity is supplied through the *national grid* to or from the premises;
 - (2) the *connection point* for the premises is not:
 - (i) a *connection point* for a *scheduled resource*; or
 - (ii) a *connection point* in a *regulated SAPS*;

- (3) the *metering installation* for the *connection point* for the premises is a type 1, 2, 3, 4, 8A or 9 *metering installation*; and
 - (4) a *financially responsible Market Participant* is participating in the *market* in respect of the *connection point* for the premises.
- (c) For paragraph (a)(2), the criteria are that the *metering installation*:
- (1) complies with the requirements of the *Rules* applicable to the *metering installation*;
 - (2) in the case of an *embedded network*, is not measuring the flow of electricity:
 - (i) at a *child connection point*; or
 - (ii) to any other point of *supply* to another end user's electrical installation within the premises; and
 - (3) is not a type 8B *metering installation*, unless the end user at the premises is a small customer.
- (d) The *financially responsible Market Participant* for a *secondary settlement point* must ensure that a *NMI Service Provider* is appointed in respect of the *secondary settlement point* before the *financially responsible Market Participant* participates in the *market* in respect of the *secondary settlement point* and for so long as it continues to do so.
- (e) *AEMO* may refuse to permit a *financially responsible Market Participant* to participate in the *market* in respect of any *secondary settlement point* in relation to which that *financially responsible Market Participant* is not in compliance with its obligations under paragraph (d).

[4] Clause 7.3.2 Role of the Metering Coordinator

In clause 7.3.2(a)(1), omit "*metering installation*; or" and substitute "*metering installation*";.

[5] Clause 7.3.2 Role of the Metering Coordinator

In clause 7.3.2(a)(2), omit "*metering installation*." and substitute "*metering installation*; or".

[6] Clause 7.3.2 Role of the Metering Coordinator

After clause 7.3.2(a)(2), insert a new clause 7.3.2(a)(3) as follows:

- (3) in relation to a type 8A or 8B *metering installation* that has been installed by, or on behalf of, the customer and subject to the *metrology procedure*, appoint a *Metering Provider* or *Metering*

Providers for the commissioning and maintenance of that metering installation.

[7] Clause 7.3.2 Role of the Metering Coordinator

In clause 7.3.2(b)(1)(i), omit "paragraph (a)(1); or" and substitute "paragraph (a)(1);".

[8] Clause 7.3.2 Role of the Metering Coordinator

In clause 7.3.2(b)(1)(ii), omit "paragraph (a)(2)." and substitute "paragraph (a)(2); or".

[9] Clause 7.3.2 Role of the Metering Coordinator

After clause 7.3.2(b)(1)(ii) and before the Note, insert a new clause 7.3.2(b)(1)(iii) as follows:

- (iii) for the commissioning and maintenance of a type 8A or 8B *metering installation* that has been installed by, or on behalf of, the customer.

[10] Rule 7.4 Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers

Omit the title of rule 7.4 and substitute "Qualification and Registration of Metering Providers, Metering Data Providers, Embedded Network Managers and NMI Service Providers".

[11] Clause 7.4.2A Qualifications and registration of Embedded Network Managers

In clause 7.4.2A(a)(1), after "meet the" insert "applicable".

[12] Clause 7.4.2A Qualifications and registration of Embedded Network Managers

In clause 7.4.2A(a)(2), omit "S7.7.1(b)" and substitute "7.4.2C(a)".

[13] Clause 7.4.2A Qualifications and registration of Embedded Network Managers

Omit clause 7.4.2A(c) and substitute "[Deleted]".

[14] Clause 7.4.2A Qualifications and registration of Embedded Network Managers

Omit clause 7.4.2A(d) and substitute "[Deleted]".

[15] Clause 7.4.2B List of Embedded Network Managers

Omit clause 7.4.2B, including the heading, and substitute the following:

7.4.2B Qualifications and registration of NMI Service Providers

- (a) *A NMI Service Provider* must:
 - (1) meet the applicable requirements set out in schedule 7.7; and
 - (2) be accredited and registered by *AEMO* in that capacity in accordance with the qualification process established under clause 7.4.2C(a).
- (b) Any person may apply to *AEMO* for accreditation and registration as a *NMI Service Provider*.
- (c) *A NMI Service Provider* must comply with the provisions of the *Rules* and procedures authorised under the *Rules* that are expressed to apply to *NMI Service Providers*.

[16] Clause 7.4.2C Accreditation and registration process

After clause 7.4.2B, insert a new clause as follows:

7.4.2C Accreditation and registration process

- (a) *AEMO* must establish a qualification process for *Embedded Network Managers* and *NMI Service Providers* that enables accreditation and registration to be achieved in accordance with the applicable requirements of schedule 7.7.
- (b) The process established by *AEMO* may allow a person to be accredited and registered in either or both roles.
- (c) *AEMO* must develop and *publish* guidelines to assist persons wishing to be accredited and registered by *AEMO* as an *Embedded Network Manager* or a *NMI Service Provider* with the preparation of their applications to *AEMO*.
- (d) *AEMO* must *publish* and maintain a list of persons accredited and registered as an *Embedded Network Manager* or *NMI Service Provider*.

[17] Clause 7.4.4 Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers

Omit the heading of clause 7.4.4 and substitute "**Deregistration of Metering Providers, Metering Data Providers, Embedded Network Managers and NMI Service Providers**".

**[18] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(a1), after "deregistration of *Embedded Network Managers*" insert "and *NMI Service Providers*".

**[19] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(a1)(1), omit "by *Embedded Network Managers*".

**[20] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(a2), omit "*Embedded Network Manager* if the *Embedded Network Manager*" and substitute "*Embedded Network Manager* or *NMI Service Provider* if the entity".

**[21] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(b)(2), omit "*Metering Data Provider* or an *Embedded Network Manager*" and substitute "*Metering Data Provider, Embedded Network Manager* or *NMI Service Provider*".

**[22] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

Omit clause 7.4.4(c) and substitute the following:

- (c) If *AEMO* reasonably determines that a *Metering Provider, Metering Data Provider, Embedded Network Manager* or *NMI Service Provider* (**relevant provider**) has breached a provision of the *Rules* or of procedures authorised under the *Rules* that applies to the relevant provider:
 - (1) *AEMO* must send to that relevant provider a notice in writing setting out the nature of the breach; and

- (2) *AEMO* must, if the relevant provider remains in breach for a period of more than 7 days after notice in accordance with subparagraph (c)(1), conduct a review to assess the relevant provider's capability for ongoing compliance with the *Rules* or procedures authorised under the *Rules*.

**[23] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(d), omit "*Metering Provider, Metering Data Provider or Embedded Network Manager*" and substitute "relevant provider".

**[24] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(e), omit "*Metering Provider, Metering Data Provider or Embedded Network Manager*" and substitute "relevant provider".

**[25] Clause 7.4.4 Deregistration of Metering Providers,
Metering Data Providers, Embedded
Network Managers and NMI Service
Providers**

In clause 7.4.4(e)(2), omit "*embedded network manager*" and substitute "*Embedded Network Manager*".

**[26] Rule 7.5A Role and Responsibility of Embedded
Network Managers**

Omit the heading of rule 7.5A and substitute "**Role and Responsibility of Embedded Network Managers and NMI Service Providers**".

[27] Clause 7.5A.2 EN information

Omit the heading of clause 7.5A.2 and substitute "**Embedded Network Manager to maintain and provide information**".

**[28] Clause 7.5A.2 Embedded Network Manager to maintain
and provide information**

In clause 7.5A.2, omit the Note.

[29] Clause 7.5A.3 NMI Service Provider to provide NMI management services

After clause 7.5A.2, insert a new clause as follows:

7.5A.3 NMI Service Provider to provide NMI management services

The provision of *NMI management services* must be carried out only by the *NMI Service Provider*.

[30] Clause 7.6.2 Persons who may appoint Metering Coordinators

Omit clause 7.6.2(a)(3)(ii) and substitute:

- (ii) the *large customer* whose premises are supplied at the *connection point* or (in the case of a *secondary settlement point*) within whose premises the *connection point* is located.

[31] Clause 7.8.1 Metering installation requirements

In clause 7.8.1(c), after "appointed under clause 7.3.2(a)" insert ", except as provided for in paragraph (d)".

[32] Clause 7.8.1 Metering installation requirements

After the Note to clause 7.8.1(c), insert new clauses 7.8.1(d) and 7.8.1(e) as follows:

- (d) Installation of a type 8A or 8B *metering installation* for a *secondary settlement point* may be carried out by any person qualified under applicable law to install the relevant *metering installation*.
- (e) The *Metering Coordinator* at a *connection point* must ensure that there is not a type 8B *metering installation* at the *connection point* unless it is a *secondary settlement point* within the premises of a *small customer*.

[33] Clause 7.8.2 Metering installation components

In clause 7.8.2(a)(3), omit "types 1, 2, 3, 4 or 9," and substitute "types 1, 2, 3, 4, 8A, 8B or 9,".

[34] Clause 7.8.2 Metering installation components

In clause 7.8.2(a)(9), omit "type 1, 2, 3, 4 or 9," and substitute "type 1, 2, 3, 4, 8A, 8B or 9,".

[35] Clause 7.8.2 Metering installation components

Before clause 7.8.2(c), insert a subheading as follows:

Responsibility for applying for and issuing NMIs

[36] Clause 7.8.2 Metering installation components

In clause 7.8.2(c), omit "Subject to paragraph (ea)" and substitute "Subject to paragraphs (e1) and (e2)".

[37] Clause 7.8.2 Metering installation components

Omit clause 7.8.2(d)(1), excluding the Note, and substitute:

- (1) issue to the *financially responsible Market Participant* a unique *NMI* for each *metering installation* on its *network*; and

[38] Clause 7.8.2 Metering installation components

Renumber clause 7.8.2(ea) as 7.8.2(e1).

[39] Clause 7.8.2 Metering installation components

After clause 7.8.2(e1), insert a new clause 7.8.2(e2) as follows:

- (e2) A *NMI Service Provider* at a *secondary settlement point* for which it is the *NMI Service Provider* must:
 - (1) apply to *AEMO* for a *NMI* for the *metering installation* at the *secondary settlement point*;
 - (2) provide the *Metering Coordinator*, *financially responsible Market Participant* and (for a *parent connection point* on an *embedded network*) the *Exempt Embedded Network Service Provider* with the *NMI* for the *metering installation* within 5 *business days* of receiving the *NMI* from *AEMO*; and
 - (3) register the *NMI* with *AEMO* in accordance with procedures from time to time specified by *AEMO*.

[40] Clause 7.8.2 Metering installation components

Renumber clause 7.8.2(eb) as 7.8.2(e3).

[41] Clause 7.8.2 Metering installation components

Omit clause 7.8.2(e3) and substitute the following:

- (e3) The obligations in paragraph (e1) and (e2) do not apply to the extent a *metering installation* at a *connection point* already has a *NMI*.

[42] Clause 7.8.2 Metering installation components

Renumber clause 7.8.2(ec) as 7.8.2(e4).

[43] Clause 7.8.2 Metering installation components

Omit clause 7.8.2(e4) and substitute the following:

- (e4) *AEMO* must issue for each *metering installation* referred to in paragraph (e1)(1) or (e2)(1) a unique *NMI* to the *Embedded Network Manager* or *NMI Service Provider* as applicable.

[44] Clause 7.8.3 Small customer metering installations

Omit clause 7.8.3(a), excluding the Note, and substitute:

- (a) Except as specified in clause 7.8.4, a *Metering Coordinator* must ensure that any new or replacement *metering installation* in respect of the *connection point* of a *small customer* is:
 - (1) unless subparagraph (2) applies, a type 4 *metering installation* that meets the *minimum services specification*; or
 - (2) for a *secondary settlement point* within the premises of the *small customer*, either a type 4 or a type 8B *metering installation* that (in either case) meets the *minimum services specification*.

[45] Clause 7.8.3 Small customer metering installations

In clause 7.8.3(b), omit "specified in the *minimum service specification*" and substitute "specified in the *minimum services specification* in clause S7.5.1 and the procedures made under S7.5.2".

[46] Clause 7.8.4 Type 4A metering installation

In clause 7.8.4(a), omit "clause 7.8.3(a)" and substitute "clause 7.8.3(a)(1)".

[47] Clause 7.8.4 Type 4A metering installation

In clause 7.8.4(b), omit "clause 7.8.3(a)" and substitute "clause 7.8.3(a)(1)".

[48] Clause 7.8.4 Type 4A metering installation

In clause 7.8.4(d), omit "clause 7.8.3(a)" and substitute "clause 7.8.3(a)(1)".

[49] Clause 7.8.4 Type 4A metering installation

In clause 7.8.4(h)(2), omit "clause 7.8.3(a)" and substitute "clause 7.8.3(a)(1)".

[50] Clause 7.8.4 Type 4A metering installation

In clause 7.8.4(h1)(2), omit "clause 7.8.3(a)" and substitute "clause 7.8.3(a)(1)".

[51] Clause 7.8.7 Metering point

In clause 7.8.7(b), after "*child connection point*" insert "on an *embedded network*".

[52] Clause 7.8.10 Metering installation malfunctions

In clause 7.8.10(a), after "clause 7.8.10" insert "or paragraph (e) applies to the *metering installation*".

[53] Clause 7.8.10 Metering installation malfunctions

After the Note to clause 7.8.10(d), insert a new clause 7.8.10(e) as follows:

- (e) If a *metering installation malfunction* occurs in respect of a type 8A or 8B *metering installation* provided by a customer for a *secondary settlement point*, the *financially responsible Market Participant* must:
 - (1) notify the customer of the *metering installation malfunction* and that repairs to the *metering installation* need to be made as soon as practicable but no later than 20 *business days* after the notice; and
 - (2) if those repairs are not undertaken within that period, designate the *secondary settlement point* at which the type 8A or 8B *metering installation* is located as inactive until the customer completes the repairs.

[54] Clause 7.9.6 Metering installation registration process

In clause 7.9.6(b), omit "*metering installations; and*" and substitute "*metering installations*".

[55] Clause 7.9.6 Metering installation registration process

In clause 7.9.6(c), omit "*metering installations*," and substitute "*metering installations; and*".

[56] Clause 7.9.6 Metering installation registration process

After clause 7.9.6(c), insert a new clause 7.9.6(d) as follows:

- (d) establishing *secondary settlement points*,

[57] Clause 7.10.1 Metering Data Services

In clause 7.10.1(a)(2), omit "type 1, 2, 3, 4 and 9" and substitute "type 1, 2, 3, 4, 8A, 8B and 9".

[58] Clause 7.10.5 Periodic energy metering

In clause 7.10.5(a)(1), omit "types 1, 2, 3 and 9" and substitute "types 1, 2, 3, 8A, 8B and 9".

[59] Clause 7.10.5 Periodic energy metering

In clause 7.10.5(a), in the last paragraph, after "to *child connection points*" insert "on its *embedded network*".

[60] Clause 7.15.3 Security controls for energy data

In clause 7.15.3(e), omit "types 1, 2, 3, 4 and 9" and substitute "types 1, 2, 3, 4, 8A, 8B and 9".

[61] Clause 7.15.4 Additional security controls for small customer metering installations

After clause 7.15.4(b)(1), insert a new clause 7.15.4(b)(1A) as follows:

- (1A) in respect of a service listed in the *minimum services specification* for type 8B *metering installations* made by AEMO under clause S7.5.2, and of *metering data* in connection with that service, an access party listed in that *minimum services specification*;

[62] Clause 7.15.4 Additional security controls for small customer metering installations

In clause 7.15.4(e)(1), after "to *child connection points*" insert "on its *embedded network*".

[63] Clause 7.15.5 Access to energy data

Omit clause 7.15.5(c)(6) and substitute:

- (6) in relation to a *metering installation* at a *child connection point* on an *embedded network*, an *Embedded Network Manager*;

[64] Clause 7.15.5 Access to energy data

After clause 7.15.5(c)(6), insert a new clause 7.15.5(c)(7) as follows:

- (7) without limiting subparagraph (1), in relation to a *metering installation* at a *secondary settlement point*, the *Local Network Service Provider*; and

[65] Clause 7.15.5 Access to energy data

After clause 7.15.5(c)(7), insert a new clause 7.15.5(c)(8) as follows:

- (8) in relation to the *NMI Standing Data* for a *connection point*, a *NMI Service Provider* appointed to provide *NMI management services* for the *connection point*.

[66] Clause 7.15.5 Access to energy data

In clause 7.15.5(d)(5), omit "*network*" and substitute "*embedded network*".

[67] Clause 7.16.2 Market Settlement and Transfer Solution Procedures

In clause 7.16.2(c), omit "*Metering Data Providers and Embedded Network Managers*" and substitute "*Metering Data Providers, Embedded Network Managers and NMI Service Providers*".

[68] Clause 7.16.2 Market Settlement and Transfer Solution Procedures

Omit clause 7.16.2(d) and substitute the following:

- (d) If a *Registered Participant, Metering Provider, Metering Data Provider, Embedded Network Manager or NMI Service Provider* (**relevant provider**) breaches the requirements of the *Market Settlement and Transfer Solution Procedures*, AEMO may send to that relevant provider a notice in writing setting out the nature of the breach.

[69] Clause 7.16.2 Market Settlement and Transfer Solution Procedures

In clause 7.16.2(e), omit "*Registered Participant, Metering Provider, Metering Data Provider or Embedded Network Manager*" and substitute "relevant provider".

[70] Clause 7.16.3 Requirements of the metrology procedure

In clause 7.16.3(c)(3), omit "*Metering Data Providers and Embedded Network Managers*" and substitute "*Metering Data Providers, Embedded Network Managers and NMI Service Providers*".

[71] Clause 7.16.3 Requirements of the metrology procedure

In clause 7.16.3(c)(6)(iv), omit "on a reasonable basis; and" and substitute "on a reasonable basis;".

[72] Clause 7.16.3 Requirements of the metrology procedure

After clause 7.16.3(c)(6)(iv), insert a new clause 7.16.3(c)(6)(v) as follows:

- (v) the method to be used by a *Metering Data Provider* to determine the *metering data* for a *secondary settlement point* or a *child connection point* where its *connection*

point or parent connection point has been de-energised or disconnected or the network serving its connection point or parent connection point is experiencing an outage; and

[73] Clause 7.16.5 Additional metrology procedure matters

Omit clause 7.16.5(a)(1)(iv) and substitute:

- (vi) metrology for a *market connection point* that is a *secondary settlement point* or on a *network* where the owner, operator or controller of that *network* is not a *Registered Participant*;

[74] Clause 7.16.5 Additional metrology procedure matters

Omit clause 7.16.5(a)(1)(v) and substitute:

- (v) the accreditation of *Metering Providers*, *Metering Data Providers*, *Embedded Network Managers* and *NMI Service Providers*; and

[75] Clause 7.16.5 Additional metrology procedure matters

Omit clause 7.16.5(a)(2)(iii) and substitute:

- (iii) *Metering Provider*, *Metering Data Provider*, *Embedded Network Manager* and *NMI Service Provider* capabilities in accordance with Schedules 7.2, 7.3 and 7.7 respectively, and accreditation standards;

[76] Clause 7.16.5 Additional metrology procedure matters

Omit clause 7.16.5(a)(2)(v) and substitute:

- (v) the technical standards for *metering* of a *market connection point* that is a *secondary settlement point* or on a *network* where the operator, owner or controller of that *network* is not a *Registered Participant*;

[77] Clause 7.16.6 Requirements of the service level procedures

After clause 7.16.6(c)(5), insert a new clause 7.16.6(c)(5A) as follows:

- (5A) the requirements for the assignment of a *secondary settlement point* within premises to the *connection point* to the *national grid*;

[78] Clause 7.16.6A Requirements of the ENM service level procedures

Omit clause 7.16.6A(e).

[79] Clause 7.16.6C Requirements of the NMI Service Provider service level procedures

After clause 7.16.6B, insert a new clause 7.16.6C as follows:

7.16.6C Requirements of the NMI Service Provider service level procedures

- (a) *AEMO* must establish, maintain and *publish* the *NMI Service Provider service level procedures* that apply to *NMI Service Providers*, in accordance with this Chapter 7 and this clause 7.16.6C.
- (b) *AEMO* must establish and publish the *NMI Service Provider service level procedures* in accordance with clause 7.16.7.
- (c) The *NMI Service Provider service level procedures* must include:
 - (1) a list of *NMI management services*;
 - (2) the requirements for the provision of *NMI management services*;
 - (3) the requirements for the assignment of a *secondary settlement point* to the relevant *connection point* with the *national grid*;
 - (4) information to ensure consistency in practice between the *NMI Service Provider service level procedures* and other documents developed and published by *AEMO*, including the practices adopted in the *Market Settlement and Transfer Solutions Procedures*.
- (d) The *NMI Service Provider service level procedures* must include requirements for accreditation and registration for *NMI Service Providers*, including, without limitation:
 - (1) requirements relating to cooperation with *AEMO*, *Registered Participants*, *Metering Providers*, *Metering Data Providers* and *Embedded Network Managers*;
 - (2) the confidentiality of information collected by a *NMI Service Provider*;
 - (3) the resolution of disputes between *AEMO* and a *NMI Service Provider*, including disputes associated with a breach of the *Rules* and procedures authorised under the *Rules*;
 - (4) the access of *AEMO* to and the inspection and audit by *AEMO* of any relevant database maintained by a *NMI Service Provider*;

- (5) the insurance which must be taken out by or on behalf of the *NMI Service Provider*;
- (6) subcontracting by the *NMI Service Provider*;
- (7) the software and systems that are used by the *NMI Service Providers*;
- (8) the ownership of intellectual property that is developed or used by a *NMI Service Provider*; and
- (9) the delivery up to *AEMO* of data, works, material and other property that *AEMO* has the right to in the event of the deregistration of a *NMI Service Provider*.

[80] Clause S7.1.2 Metering register information

In clause S7.1.2(a)(4), after "a *child connection point*" insert "on an *embedded network* and the *NMI Service Provider* for *secondary settlement points*".

[81] Clause S7.2.1 General

In clause S7.2.1(d) after "metering equipment it installs" insert ", and any type 8A or 8B *metering installation* provided and installed by or on behalf of a customer,".

[82] Clause S7.2.2 Categories of registration

In clause S7.2.2(a), omit "4A and 9" and substitute "4A, 8A, 8B and 9".

[83] Clause S7.2.2 Categories of registration

In clause S7.2.2, in Table S7.2.2.2, insert a new row above the row for "9M" as follows:

8M	Class 1.0 Wh meters and class 2 Wh meters with $<0.3/\cos\phi$ % uncertainty.
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[84] Clause S7.2.3 Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A and 9

Omit the heading to clause S7.2.3 and substitute "**Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A, 8A, 8B and 9**".

[85] Clause S7.2.3 Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A, 8A, 8B and 9

In clause S7.2.3, in the opening paragraph, omit "Category 1A, 2A, 3A, 4M and 9M" and substitute "Category 1A, 2A, 3A, 4M, 8M and 9M".

[86] Clause S7.2.3 Capabilities of Metering Providers for metering installations types 1, 2, 3, 4, 4A, 8A, 8B and 9

In clause S7.2.3(f)(1), after "Type 4A – implementation of AS/NZ ISO 9002 to a level agreed with *AEMO*;" insert the following:

Type 8A – implementation of AS/NZ ISO 9002 to a level agreed with *AEMO*;

Type 8B – implementation of AS/NZ ISO 9002 to a level agreed with *AEMO*;

[87] Clause S7.2.5 Capabilities of Metering Providers for small customer metering installations

In clause S7.2.5, in the first paragraph, after "Category 4S *Metering Providers*" insert "and categories of *Metering Provider* with accreditation for type 8B *metering installations*".

[88] Clause S7.2.5 Capabilities of Metering Providers for small customer metering installations

In clause S7.2.5(a), omit "S7.2.3" and substitute "clause S7.2.3".

[89] Clause S7.2.6 Capabilities of the Accredited Service Provider category

In clause S7.2.6(a), omit "types 1, 2, 3, 4, 4A, 5, 6 or 9" and substitute "types 1, 2, 3, 4, 4A, 5, 6, 8A, 8B or 9".

[90] Clause S7.3.2 Categories of registration

In clause S7.3.2, in Table S7.3.2.1, omit the second row and substitute the following:

1, 2, 3, 4, 8A, 8B and 9	Category 1D, 2D, 3D, 4D, 8M and 9M (for <i>remote acquisition</i> , processing and delivery of <i>metering data</i> for <i>connection points</i>) Category 1SAPD, 2SAPD, 3SAPD and/or 4SAPD (for remote acquisition, calculation, processing and delivery of <i>calculated metering data</i> for <i>market connection points</i> for <i>market generating units</i> in a <i>regulated SAPS</i>)	Category 4S (for <i>small customer metering installations</i> in relation to <i>remote acquisition</i> , processing and delivery of <i>metering data</i> for <i>connection points</i>)
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[91] Clause S7.4.1 General requirements

After clause S7.4.1(a), insert new clauses S7.4.1(b)-(d) as follows:

- (b) When extended range *current transformers* are used, the overall accuracy requirements at loads greater than 100% rated load must not exceed the overall accuracy requirements specified within the *Rules* for 100% rated load.
- (c) Extended range *current transformers* must not to be used beyond the limits of their extended range.
- (d) For Type 4, 5 and 6 *metering installations* which are direct *connected* or have *current transformer(s)*, the *Metering Provider* is permitted to demonstrate accuracy requirements of the *metering installation* by means of using a generic design. The generic design must consider the error limits for the class accuracy of the equipment and calculated or measured burden or loads to demonstrate compliance. Each generic design must include conditions under which it may be applied.

[92] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after the heading, insert the following:

- (a) The maximum allowable overall error ($\pm\%$) at different loads and power factors is set out in Table S7.4.3.2 to Table S7.4.3.7.
- (b) All measurements in Tables S7.4.3.2 to S7.4.3.7 are to be referred to 25 degrees Celsius.
- (c) The method for calculating the overall error is the vector sum of the errors of each component part (that is, $a + b + c$) where:
 - (1) a = the error of the voltage transformer and wiring;
 - (2) b = the error of the current transformer and wiring; and
 - (3) c = the error of the meter.
- (d) If compensation is carried out then the resultant metering data error shall be as close as practicable to zero.
- (e) The maximum allowable error of a type 5 or type 6 *metering installation* may be relaxed in the *metrology procedure* to accommodate evolving technologies providing that such relaxation is consistent with any regulations published under the *National Measurement Act*.
- (f) Where a subtractive metering arrangement is used (due to *secondary settlement points* or *child connection points*) the annual energy throughput is the total throughput for the *metering installation*, not the net throughput.

- (g) Where a *metering installation* is operating at more than 100% of rated load, the overall error must be the same as the error at 100% of rated load.

[93] Clause S7.4.3 Accuracy requirements for metering installations

In Table S7.4.3.1, after the row for "Type 7" insert the following:

8 (Including 8A and 8B) (Item 6)	less than 750 MWh	Either 0.5 CT and 1.0 <i>meter Wh</i> ; or whole current general purpose <i>meter Wh</i> : • meets the requirements of clause 7.8.2(a)(9); and • meets the requirements of clause 7.10.6(d). (Item 1)	±20 (Item 2a)
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[94] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, in Item 1(a), omit "For a type 3, 4, 4A, 5, 6 or 9 *metering installation*" and insert "For a type 3, 4, 4A, 5, 6, 8A, 8B or 9 *metering installation*".

[95] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, after Table S7.4.3.1, in Item 2a, omit "type 4, 4A or 9" and insert "type 4, 4A, 8A, 8B or 9".

[96] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, in Table S7.4.3.1, omit Item 6 and Item 7 and substitute the following:

Item 6	A type 8B <i>metering installation</i> may only be used at a <i>secondary settlement point</i> for a <i>small customer</i> .
Item 7:	The maximum allowable error of a type 8A, 8B or 9 <i>metering installation</i> may be relaxed in the <i>metrology procedure</i> to accommodate evolving technologies provided that such relaxation is consistent with any regulations published under the <i>National Measurement Act</i> .

[97] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit the heading for Table S7.4.3.2 and substitute "**Type 1 Metering Installation Overall Accuracy Requirements – Annual Energy Throughput greater than 1,000 GWh**".

[98] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit Table S7.4.3.2 and substitute the following:

% Rated Load	Power Factor					
	Unity	0.866 lagging		0.5 lagging		Zero
	active	active	reactive	active	reactive	reactive
5	1.0%	1.0%	2.0%	Not used	Not used	1.4%
20	0.7%	0.7%	1.4%	1.0%	1.0%	1.0%
100	0.5%	0.5%	1.0%	Not used	Not used	1.0%

[99] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit the heading for Table S7.4.3.3 and substitute "**Type 2 Metering Installation Overall Accuracy Requirements – Annual Energy Throughput between 100 and 1,000 GWh**".

[100] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit Table S7.4.3.3 and substitute the following:

% Rated Load	Power Factor					
	Unity	0.866 lagging		0.5 lagging		Zero
	active	active	reactive	active	reactive	reactive
5	2.0%	2.0%	4.0%	Not used	Not used	3.0%
20	1.5%	1.5%	3.0%	2.0%	2.0%	2.0%
100	1.0%	1.0%	2.0%	Not used	Not used	2.0%

[101] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit the heading for Table S7.4.3.4 and substitute "**Type 3 Metering Installation Overall Accuracy Requirements – Annual Energy Throughput from**".

0.75 GWh to less than 100 GWh and Type 4 Category 4S and Type 4A Metering Installation - Annual Energy Throughput less than 0.75 GWh".

[102] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit Table S7.4.3.4 and substitute the following:

% Rated Load	Power Factor					
	Unity	0.866 lagging		0.5 lagging		Zero
	active	active	reactive	active	reactive	reactive
5	2.5%	2.5%	5.0%	Not used	Not used	4.0%
20	2.0%	2.0%	4.0%	3.0%	3.0%	3.0%
100	1.5%	1.5%	3.0%	Not used	Not used	3.0%

[103] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit the heading for Table S7.4.3.5 and substitute "Type 4 (other than Category 4S and 4A), Type 5, Type 8A and Type 9 Metering Installation Overall Accuracy Requirements – Annual Energy Throughput less than 0.75 GWh".

[104] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit the heading for Table S7.4.3.6 and substitute "Type 6 Metering Installation Overall Accuracy Requirements – Annual Energy Throughput less than 0.75 GWh".

[105] Clause S7.4.3 Accuracy requirements for metering installations

In clause S7.4.3, omit Table S7.4.3.6 and substitute the following:

% Rated Load	Power Factor		
	Unity	0.866 lagging	0.5 lagging
	active	active	active
5	3.0%	Not used	Not used
20	2.5%	Not used	3.5%
100	2.0%	Not used	Not used

[106] Clause S7.4.3 Accuracy requirements for metering installations

After Table S7.4.3.6, insert a new Table S7.4.3.7 as follows:

Table S7.4.3.7 Type 8B Metering Installation Overall Accuracy Requirements – Annual Energy Throughput less than 0.75 GWh

% Rated Load	Power Factor		
	Unity	0.866 lagging	0.5 lagging
	active	active	active
5	3.0%	3.0%	Not used
20	2.5%	2.5%	3.5%
100	2.0%	2.0%	Not used

[107] Clause S7.4.3 Accuracy requirements for metering installations

After Table S7.4.3.7, delete the Note.

[108] Clause S7.4.4 Check metering

In clause S7.4.4(a), in the Table, omit "4, 4A, 5, 6 and 9" and substitute "4, 4A, 5, 6, 8A, 8B and 9".

[109] Clause S7.5.1 Minimum services specification

In clause S7.5.1, omit the heading and substitute "**Minimum services specification other than for type 8A, 8B and 9 metering installations**".

[110] Clause S7.5.1 Minimum services specification other than for type 8A, 8B and 9 metering installations

In clause S7.5.1, in the first paragraph, omit "(other than a type 9 metering installation)" and substitute "(other than a type 8A, 8B or 9 metering installation)".

[111] Clause S7.5.1 Minimum services specification other than for type 8A, 8B and 9 metering installations

In clause S7.5.1, in Table S7.5.1.1, in column 3 of row (c), insert a new paragraph as follows:

A Local Network Service Provider for a secondary settlement point located within premises connected to its network

[112] Clause S7.5.1 Minimum services specification other than for type 8A, 8B and 9 metering installations

In clause S7.5.1, in Table S7.5.1.1, in column 3 of row (d), insert a new paragraph as follows:

A Local Network Service Provider for a secondary settlement point located within premises connected to its network

[113] Clause S7.5.2 Minimum services specification for type 9 metering installations

Omit the heading for clause S7.5.2 and substitute "Minimum services specification for type 8A, 8B and 9 metering installations".

[114] Clause S7.5.2 Minimum services specification for type 8A, 8B and 9 metering installations

In clause S7.5.2, omit all references to "type 9" and substitute "type 8A, 8B and 9".

[115] Clause S7.6.1 General

In clause S7.6.1, in Table S7.6.1.2, omit the heading "Type 4, 4A & 9" and substitute "Type 4, 4A, 8A, 8B & 9".

[116] Clause S7.6.1 General

In clause S7.6.1, in Table S7.6.1.3, omit "Type 4, 4A, 5, 6 & 9" and substitute "Type 4, 4A, 5, 6, 8A, 8B & 9".

[117] Schedule 7.7 Embedded Network Managers

Omit the heading of Schedule 7.7 and substitute "Embedded Network Managers and NMI Service Providers".

[118] Clause S7.7.1 General

Omit the heading of clause S7.7.1 and substitute "General requirements for Embedded Network Managers".

[119] Clause S7.7.1 General requirements for Embedded Network Managers

Omit clause S7.7.1(b) and substitute "[Deleted]".

[120] Clause S7.7.2 Capabilities of Embedded Network Managers

In clause S7.7.2(c), omit "*Metering Co-ordinators*" and substitute "*Metering Coordinators*".

[121] Clause S7.7.3 General requirements for NMI Service Providers

After clause S7.7.2, insert new clauses S7.7.3 and S7.7.4 as follows:

S7.7.3 General requirements for NMI Service Providers

- (a) A *NMI Service Provider* must be accredited and registered by *AEMO*.
- (b) A *NMI Service Provider* must ensure that *NMI management services* are carried out in accordance with the *Rules* and procedures authorised under the *Rules*.

S7.7.4 Capabilities of NMI Service Providers

- (a) *NMI Service Providers* must be able to exhibit to the reasonable satisfaction of *AEMO* the following capabilities:
 - (1) detailed understanding of the *Rules* and all procedures authorised under the *Rules* applicable to *NMI management services*;
 - (2) detailed understanding of the participant role relationships and obligations that exist between *NMI Service Providers*, *Metering Data Providers*, *Metering Providers*, *financially responsible Market Participants*, *Local Network Service Providers*, *AEMO* and *Metering Coordinators*;
 - (3) the establishment of a system which will:
 - (i) underpin all operational documentation, processes and procedures;
 - (ii) facilitate good change control management of procedures, IT systems and software;
 - (iii) maintain security controls and data integrity; and
 - (iv) maintain knowledge and understanding of the *Rules* and relevant procedures, standards and guides authorised under the *Rules*;
 - (4) understanding of the required logical interfaces necessary to support the provision of *NMI management services* including the interfaces needed to:
 - (i) access *AEMO's* systems; and

- (ii) support the *metrology procedure, B2B Procedures, service level procedures, NMI Service Provider service level procedures* and *Market Settlement and Transfer Solution Procedures*.

Schedule 5 Amendment to the National Electricity Rules (chapter 10)

(Clause 7)

[1] Chapter 10 Glossary

In the definition of "*active energy*", after "*across a connection point*" insert "*or secondary settlement point*".

[2] Chapter 10 Glossary

In the definition of "*connection point*", after the final paragraph of that definition, insert a note as follows:

Note

In the context of Chapter 7, the above definition has been displaced by a definition specifically applicable to that Chapter. Refer to clause 7.1.2.

[3] Chapter 10 Glossary

In the definition of "*customer*", after "*more connection points*" insert "*or secondary settlement points*".

[4] Chapter 10 Glossary

In the definition of "*distribution system*", omit paragraph (b) and substitute:

- (b) a *stand-alone distribution system* in a *regulated SAPS*,
however, none of the following constitutes a *distribution system*:
- (c) an *excluded metering installation*; and
- (d) a *single user network*.

[5] Chapter 10 Glossary

In the definition of "*Embedded Network Manager*", in paragraph (a), after "who meets the" insert "applicable".

[6] Chapter 10 Glossary

Insert a new definition of "*excluded metering installation*" in alphabetical order, as follows:

excluded metering installation

A *metering installation*, including the metering panels and associated sundry equipment but not incoming sub-mains or outgoing service wiring, that satisfies all the following criteria:

- (a) the *metering installation* is not owned, operated or controlled by a *Network Service Provider*; and
- (b) a *Metering Coordinator* has been appointed for the *metering installation* under Chapter 7.

[7] Chapter 10 Glossary

In the definition of "*Incoming Retailer*", after all references to "*connection point*" insert "or *secondary settlement point*".

[8] Chapter 10 Glossary

In the definition of "*Jurisdictional NMI Standing Data suppliers*", after "*connection points*", insert "or *secondary settlement points*".

[9] Chapter 10 Glossary

In the definition of *interval energy data* omit "1, 2, 3 and 9" and substitute "1, 2, 3, 8A, 8B and 9".

[10] Chapter 10 Glossary

Omit the definition of "*market connection point*" and substitute:

market connection point

- (a) A *connection point* or *secondary settlement point* classified in accordance with Chapter 2 as a *market connection point*;
- (b) a *connection point* which connects any *market generating unit* to the *national grid*;
- (c) a *connection point* which connects any *market bidirectional unit* to the *national grid*; or
- (d) a *connection point* where the *network service connected* at that *connection point* is a *market network service*.

[11] Chapter 10 Glossary

In the definition of "*Market Customer*", after all references to "*connection points*" insert "or *secondary settlement points*".

[12] Chapter 10 Glossary

In the definition of "*Market Settlement and Transfer Solution Procedures*", in paragraph (a), after all references to "*connection point*" insert "or *secondary settlement point*".

[13] Chapter 10 Glossary

In the definition of "*new connection*", after "Chapter 5A" insert "and Chapter 7".

[14] Chapter 10 Glossary

Insert the following new definitions in alphabetical order:

NMI management services

Services that involve carrying out the roles, discharging the responsibilities and complying with the obligations of a *NMI Service Provider* under the *Rules* and procedures authorised under the *Rules*.

NMI Service Provider

A person:

- (a) who meets the applicable requirements listed in schedule 7.7 and has been accredited and registered by *AEMO* as a *NMI Service Provider*; and
- (b) who has not been deregistered by *AEMO* as a *NMI Service Provider* under clause 7.4.4(d).

NMI Service Provider service level procedures

The procedures established by *AEMO* in accordance with clause 7.16.6C.

[15] Chapter 10 Glossary

In the definition of "*NMI Standing Data*", in the first paragraph, after "a *connection point*" insert "(which for the purposes of this definition, is taken to include a *secondary settlement point*)".

[16] Chapter 10 Glossary

In the definition of "*NMI Standing Data*", omit paragraph (c) and substitute:

- (c) the identity of the *Local Network Service Provider* or, if the *connection point* is:
 - (1) a *child connection point* on an *embedded network*, the identity of the *Embedded Network Manager* and the *Exempt Embedded Network Service Provider*; or
 - (2) a *secondary settlement point*, the identity of the *NMI Service Provider*;

[17] Chapter 10 Glossary

In the definition of "*NMI Standing Data*", in paragraph (d), after "*a child connection point*" insert "*on an embedded network*".

[18] Chapter 10 Glossary

In the definition of "*Non-Registered Customer*", after "*with the national grid*" insert ", or through a *secondary settlement point*".

[19] Chapter 10 Glossary

In the definition of "*Registered Participant*", in paragraph (c), after "*Embedded Network Managers*", insert " or *NMI Service Providers*".

[20] Chapter 10 Glossary

In the definition of "*SAPS energy*", omit "*a connection point*" and substitute "*a market connection point*".

[21] Chapter 10 Glossary

In the definition of "*SAPS Participant*", in paragraph (b), omit "*connection point*" and substitute "*market connection point*".

[22] Chapter 10 Glossary

Insert a new definition of "*secondary settlement point*" in alphabetical order as follows:

secondary settlement point

A metering point within the premises of an end user that has been established as a *secondary settlement point* in accordance with clause 7.2.6.

[23] Chapter 10 Glossary

Insert a new definition of "*single user network*" in alphabetical order as follows:

single user network

A network (excluding a *network* owned, operated or controlled by a *Network Service Provider*) that satisfies all the following criteria:

- (a) the *network* is within the limits of a site that a *Registered Participant* does not own, control or operate;
- (b) any *connection assets* associated with the *network* provide a *connection service* only within the limits of that site and only to one or more of the following:

- (1) a person that owns, controls or operates the site (the **site owner**);
- (2) a *Registered Participant* or *Metering Provider*;
- (3) a person that supplies services to the site owner to manage the use or production of electricity at the site; or
- (4) the owner of *plant* installed at the site that the site owner:
 - (i) operates or controls; or
 - (ii) allows a person mentioned in subparagraph (2) or (3) to operate or control; or
- (5) a person using plug-in equipment to supply services at the site.

[24] Chapter 10 Glossary

In the definition of "*small customer metering installation*", after "the *connection point*" add "or *secondary settlement point*".

[25] Chapter 10 Glossary

In the definition of "*Small Resource Aggregator*", after "a *small resource connection point*" insert "or *small resource secondary settlement point*".

[26] Chapter 10 Glossary

Insert a new definition of "*small resource secondary settlement point*" in alphabetical order as follows:

small resource secondary settlement point

A *secondary settlement point* for one or more *small generating units* or *small bidirectional units* (or any combination), where the only *supply* to the *secondary settlement point* is:

- (a) for use by a *small bidirectional unit* in respect of which the flow of electrical *energy* is determined at the *secondary settlement point*; or
- (b) *auxiliary load* of a *small generating unit* or *small bidirectional unit* in respect of which the flow of electrical *energy* is determined at the *secondary settlement point*.

[27] Chapter 10 Glossary

In the definition of "*spot price*", omit "or a *connection point*".

[28] Chapter 10 Glossary

In the definition of "*SRA customer*", after "the *small resource connection point*" insert "or *small resource secondary settlement point*".

Schedule 6 Savings and Transitional Amendment to the National Electricity Rules

(Clause 8)

[1] New rule 11.173 Unlocking CER benefits through flexible trading

In chapter 11 Part ZZZZZI, after rule 11.172, insert:

11.173 Rules consequential on the making of the National Electricity Amendment (Unlocking CER benefits through flexible trading) Rule 2024

11.173.1 Definitions

In this rule 11.173:

Amending Rule means the *National Electricity Amendment (Unlocking CER benefits through flexible trading) Rule 2024*.

effective date means 1 November 2026, being the date of commencement of Schedules 3-5 of the Amending Rule.

new Chapter 7 means Chapter 7 as will be in force on and from the effective date.

single user network has the meaning given in Chapter 10 as will be in force on and from the effective date.

11.173.2 Instruments made by AEMO

- (a) By 30 September 2025, *AEMO* must review and, where *AEMO* considers it necessary or desirable, amend and *publish* procedures, guidelines and other documents made by *AEMO* under the *Rules* to take into account the Amending Rule, including:
 - (1) the *Market Settlement and Transfer Solution Procedures*;
 - (2) the *metrology procedure*; and
 - (3) the *service level procedures*.
- (b) By 30 September 2025, *AEMO* must establish and publish:
 - (1) the *NMI Service Provider service level procedures* to be made under clause 7.16.6C(a) of new Chapter 7;
 - (2) the qualification process for *Embedded Network Managers* and *NMI Service Providers* to be made under clause 7.4.2C of new Chapter 7; and
 - (3) the *minimum services specification* for type 8 and 9 *metering installations* under clause S7.5.2(a) of new Chapter 7.

- (c) In amending or making the documents referred to in paragraph (a) or (b), *AEMO* must follow the process for making or amending those documents specified in the *Rules*, or if no process is specified, the *Rules consultation procedures*.
- (d) Amendments made in accordance with paragraph (a) and documents made in accordance with paragraph (b):
 - (1) that relate to type 9 *metering installations* must take effect on and from 31 May 2026; and
 - (2) other than those referred to in subparagraph (1), must take effect on and from the effective date,or any earlier time specified by *AEMO*.

11.173.3 Instruments made by the AER

- (a) By the effective date, the *AER* must review and, where the *AER* considers it necessary or desirable, amend and *publish* procedures, guidelines and other documents made by the *AER* under the *Rules* to take into account the Amending Rule, including the guideline made by the *AER* under clause 2.5.1(d).
- (b) In amending the documents referred to in paragraph (a), the *AER* must follow the process for amending those documents specified in the *Rules*, or if no process is specified, the *Rules consultation procedures*.
- (c) Amendments made in accordance with paragraph (a) must take effect on and from the effective date or any earlier time specified by the *AER*.

11.173.4 Saving of parent-child connection point arrangements in single user networks

To avoid doubt, a single user network that, immediately before the effective date, has *child connection points* may, on and from the effective date, continue to have *child connection points* and associated *NMIs*.

[END OF RULE AS MADE]
