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ELECTRICITY INDUSTRY ACT 2004

ELECTRICITY INDUSTRY (METERING) AMENDMENT CODE 2021

ELECTRICITY INDUSTRY ACT 2004**ELECTRICITY INDUSTRY (METERING) AMENDMENT CODE 2021**

I, Bill Johnston MLA, Minister for Energy for the State of Western Australia, hereby amend the *Electricity Industry (Metering) Code 2012* established under clause 39(2a) of the *Electricity Industry Act 2004*.

Dated at Perth this 9 August, 2021.

BILL JOHNSTON, MLA, Minister for Energy.

Made by the Minister

Part 1**1. Citation**

These amendments may be cited as the *Electricity Industry (Metering) Amendment Code 2021*.

2. Commencement

This code comes into operation as follows—

- (a) Part 1—on the day on which this code is published in the Gazette; and
- (b) Part 2—on a day specified by the Minister in a notice published in the Gazette.

3. Code amended

This code amends the *Electricity Industry (Metering) Code 2012*.

4. Clause 1.2(1)(f) amended

Clause 1.2(1)(f) is amended by deleting the words “the *IMO*” and inserting the following words instead—

“*AEMO*”

5. Clause 1.3 amended

Clause 1.3 is amended—

- (a) by inserting the following definitions, in alphabetical order—

“**5MS meter**” means a five-minute settlement meter, being a *metering installation* for a *connection point* on the *SWIN* that is associated with a *contestable customer* or a *generator*.”; and

“**30-minute interval energy data**” means a measurement (including an *estimated* or *substituted* measurement) of *electricity* production and/or consumption at a *metering point* that is accumulated for each *30-minute metering interval* or, if applicable under clause 3.16(3), each sub-multiple of a *30-minute metering interval*.”; and

“**30-minute interval meter**” means a *meter* that measures *30-minute interval energy data* and records it in a *data logger*, and excludes a *five-minute interval meter* or a *meter* with *30-minute interval energy data* storage capability that is deemed to be an *accumulation meter* under clause 3.2(2).”; and

“**30-minute metering interval**” means a 30-minute period ending on the hour (WST) or on the half hour and, where identified by a time, means the 30-minute period ending at that time.”; and

“**2021 amendments date**” means the date the *2021 Metering Code amendments* were published in the *Government Gazette*.{Note: The Electricity Industry (Metering) Amendment Code 2021 was published in the Government Gazette on 19 August 2021.}”; and

“**2021 Metering Code amendments**” means the amendments made to this *Code* by the *Electricity Industry (Metering) Amendment Code 2021*.”; and

“**electricity generation and retail corporation**” means the body corporate established under clause 4(1)(a) of the *Electricity Corporations Act 2005*.”; and

“**five-minute interval energy data**” means a measurement (including an *estimated* or *substituted* measurement) of *electricity* production and/or consumption at a *metering point* that is accumulated for each *five-minute metering interval* or, if applicable under clause 3.16(3), each sub-multiple of a *five-minute metering interval*.”; and

“**five-minute interval meter**” means a *meter* that measures *five-minute interval energy data* and records it in a *data logger*, and excludes a *meter* with *five-minute interval energy data* storage capability that is deemed to be an *accumulation meter* under clause 3.2(2).”; and

“**five-minute metering interval**” means one of the twelve five-minute periods within an hour with the first five-minute period commencing on the start of the hour (WST) and, where identified by a time, means the five-minute period ending at that time.”; and

“*AEMO*”

“**five-minute settlement commencement**” means a date and time published by the Minister in the *Government Gazette*.

”; and

“**manually read interval metering installation**” means a *metering installation* that has an *interval meter* but does not have a *communications link*.

”; and

“**metering interval**” means a 30-minute metering interval or five-minute metering interval (as applicable).

”; and

“**non-contestable customer**” means a *customer* who is not a *contestable customer*.

”; and

“**SWIN**” means the *network* described in Part 9 of the Act.

”; and

“**unmetered connection point**” means a *connection point* associated with one or more of the following loads—

- (a) street, traffic, park, community, or security lighting; or
 - (b) ticket issuing machines, parking meters, or community watering systems; or
 - (c) telephone service requirements; or
- {Example: Telephone service requirements may include telephone boxes, fibre optic cable routers and devices that connect pay television services.}
- (d) *loads* consuming less than the starting electric current of a *meter*; or
 - (e) other *loads* of a similar nature.

”; and

“**weekly settlement commencement**” means a date and time published by the Minister in the *Government Gazette*.

”; and

(b) by deleting the following definitions—

“electricity retail corporation”; and

“**IMO**”; and

“trading interval”; and

(c) by deleting the definition of “**accumulated energy data**” and inserting the following definition instead—

“

“**accumulated energy data**” is to be expressed as a measure of *energy* over time, and means a measurement (including an *estimated* or *substituted* measurement) of *electricity* production and/or consumption at a *metering point*, which is accumulated for a period longer than a *30-minute metering interval*.

”; and

(d) by deleting the note after the definition of “**contestable customer**” and inserting the following note instead—

“

{Note: At the 2021 amendments date, the definition in the Customer Transfer Code was—

“**contestable**’ in relation to a *customer*, means a *customer* to whom the supply of *electricity* is not restricted under clause 54 of the *Electricity Corporations Act 2005* or under another enactment dealing with the progressive introduction of *customer contestability*.’

The progressive introduction of customer contestability is now dealt with in the *Electricity Corporations (Prescribed Customers) Order 2007* made under the *Electricity Corporations Act 2005*.}

”; and

(e) by deleting the definition of “**interval energy data**” and inserting the following definition instead—

“

“**interval energy data**” means 30-minute *interval energy data* or, for a 5MS *meter* on and from *five-minute settlement commencement*, *five-minute energy interval data*.

”; and

(f) by deleting the definition of “**interval meter**” and inserting the following definition instead—

“

“**interval meter**” means a 30-minute *interval meter* or *five-minute interval meter*.

”; and

(g) in the definition of “**meter**”, by deleting the word “or” and inserting the word “and” instead; and

(h) by deleting the definition of “**metering point**” and inserting the following definition instead—

“**metering point**” means—

- (a) for a *connection point* other than an *unmetered connection point*—a point at which a *revenue meter* measures *electricity production* and *consumption* for the *connection point*; and
- (b) for an *unmetered connection point*—the *connection point*.

{Note: A *metering point* for a *revenue metering installation* is to be located as close as possible to the *connection point*: clause 3.5(4).}

”; and

(i) by deleting the definition of “**rule participant**” and inserting the following definition instead—

“**rule participant**” means any person registered as a ‘rule participant’ in accordance with Chapter 2 of the *market rules* and *AEMO*.

”; and

(j) by deleting the definition of “**Type**” and inserting the following definition instead—

“

“**Type**”, in relation to a *metering installation*, has the meaning given in clause 3.9(1).

6.Clause 1.6 amended

Clause 1.6 is amended by deleting the words “the *IMO*” wherever they appear and inserting the word “*AEMO*” instead.

7.Clause 3.2 amended

Clause 3.2 is amended by—

(a) in clause 3.2(2), deleting the word “A” and inserting the following words instead—

“

Subject to clause 3.2(2A) and clause 3.2(2B), a

”; and

(b) after clause 3.2(2), inserting clauses 3.2(2A) and 3.2(2B) as follows—

“

(2A) A *network operator* for the *SWIN* may only declare a *meter* to be an *accumulation meter* under clause 3.2(2) if the *meter* is in a *metering installation* for a *connection point* associated with a *non-contestable consumer*.

(2B) If a *meter* declared to be an *accumulation meter* pursuant to clause 3.2(2) is in a *metering installation* for a *connection point* that becomes associated with a *contestable customer*—

(a) the declaration of that *meter* as an *accumulation meter* will be deemed to have ceased at the time the relevant *connection point* became associated with a *contestable customer*; and

(b) the relevant *network operator* must promptly—

(i) remove the *meter* from any declared accumulation meter list; and

(ii) record the *meter* as an *interval meter* in the *registry*.

”.

8. Clause 3.3C amended

Clause 3.3C is amended by deleting paragraphs (a) and (b) and inserting the following instead—

“

(a) the net *electricity production* transferred into the *network*; and

(b) the net *electricity consumption* transferred out of the *network*.

”.

9. Clause 3.5 amended

Clause 3.5 is amended by—

(a) in paragraph (1), deleting the words “a *Type 7*” and inserting the following instead—

“

an unmetered

”; and

(b) in paragraph (2)(c), inserting after “if required by Table 3” the following—

“

or Table 3A

”; and

- (c) in paragraph (2)(c), inserting after “in Appendix 1” the following—
 “
 (as applicable)
 ”.

10. Clause 3.9 amended

Clause 3.9 is amended by—

- (a) deleting paragraph (1) and inserting the following instead—
 “
 (1) The “**Type**” for—
 (a) a *metering installation* for a *metering point* on the *SWIN* is shown in the first column in Table 3 in Appendix 1, on the row in which the relevant *metering point’s* annual throughput is shown in the second column (subject to any conditions shown in the second column); or
 (b) a *metering installation* for a *metering point* on a *network* other than the *SWIN* is shown in the first column in Table 3A in Appendix 1, on the row in which the relevant *metering point’s* annual throughput is shown in the second column.
 ”; and
- (b) deleting paragraph (2) and inserting the following instead—
 “
 [Not used]
 ”; and
- (c) deleting paragraph (3) and the note and inserting the following instead—
 “
 (3) Subject to clauses 3.9(4), 3.9(5) and 3.9(7), each *metering installation* must meet at least the requirements for that *Type of metering installation* specified in—
 (a) for *metering installations* on the *SWIN*, Table 3 in Appendix 1; or
 (b) for *metering installations* on a *network* other than the *SWIN*, Table 3A in Appendix 1.
 {Note: Without limiting clause 3.9(3), a *network operator* must ensure that the incidence and magnitude of burden changes on any secondary winding supplying its *metering installation* do not cause the accuracy of the *metering installation* to fail to meet the requirements of Table 3 or Table 3A in Appendix 1 (as applicable) for that *Type of metering installation*.}
 ”; and
- (d) in paragraph (3A), deleting the words “connection point” and inserting the following instead—
 “
 metering point
 ”; and
- (e) in paragraph (4)—
 (i) after the words “specified in Table 3”, inserting the following—
 “
 or Table 3A
 ”; and
 (ii) after the words “in Appendix 1”, inserting the following—
 “
 (as applicable)
 ”; and
- (f) in paragraph (5), after the words “specified in Table 3”, inserting the following—
 “
 or Table 3A, as applicable
 ”; and
- (g) in paragraph (10), after the words “in Table 3”, inserting the following—
 “
 or Table 3A
 ”.

11. Clause 3.13 amended

Clause 3.13 is amended by—

- (a) in Table 1, inserting the word “throughput” between the words “Energy” and “(GWh pa)” in Row 1, Column 2; and
 (b) in paragraph (3)(b), deleting the words “trading intervals” and inserting the following instead—

- “
metering intervals
”; and
- (c) in paragraph (4)(c)—
(i) after the words “Table 3”, inserting the following—
“
or Table 3A
”; and
- (ii) after the words “Appendix 1”, inserting the following—
“
(as applicable)
”.

12. Clause 3.14 amended

Clause 3.14 is amended by—

- (a) in paragraph (3)—
(i) after the words “Table 3” (in both places they occur), inserting the following—
“
or Table 3A
”; and
- (ii) after the words “Appendix 1” (in both places they occur), inserting the following—
“
(as applicable)
”; and
- (b) in paragraph (4)—
(i) after the words “Table 3”, inserting the following—
“
or Table 3A
”; and
- (ii) after the words “Appendix 1”, inserting the following—
“
(as applicable)
”.

13. Clause 3.15 amended

Clause 3.15 is amended by deleting the words “network described in Part 9 of the Act” and inserting the following word instead—
“
SWIN
”.

14. Clause 3.16 amended

Clause 3.16 is deleted and the following clause is inserted instead—
“

3.16 Wholesale market metering installation requirements

- (1) The network operator must ensure that a *Type 1 metering installation* to *Type 5 metering installation* on the network—
(a) has electronic data recording facilities to measure and record *interval energy data* (including, on and from *five-minute settlement commencement*, *five-minute interval energy data* for *5MS meters*); and
(b) is capable of separately measuring and recording flows in each direction if bi-directional *electricity* flows occur; and
(c) includes facilities on site for storing the *interval energy data* for a period of at least 35 days from and including the day that *data* is first recorded (provided that this paragraph (c) does not apply to a *meter* that is declared to be an *accumulation meter* under clause 3.2(2)).
- (1A) Notwithstanding clause 3.16(1)(a), any *metering installation* on the *network* that—
(a) has an *interval meter*; and
(b) is not a *5MS meter*,
must have hardware that is capable of measuring and storing *five-minute interval energy data*, but is not required to have that capability enabled provided that the *metering installation* is capable of measuring and recording *30-minute interval energy data*.

{Note: a metering installation associated with a non-contestable customer will not be a 5MS meter.}

{Note: a reference to having capability “enabled” is a reference to having appropriate software and firmware installed and configured.}

(2) Subject to clause 3.16(2A), the network operator must ensure that a Type 1 metering installation to Type 4 metering installation on the network includes a communications link.

(2A) For a connection point associated with a—

(a) *contestable customer*, the network operator may install a *metering installation* without a *communications link* if a *communications link* supported by the network operator—

(i) is not available, or could not reasonably be made available, at the *metering installation*; or

(ii) is unable to support, or is not reasonably able to support, the necessary reliability requirements under clause 3.11(1)(b)(i); or

(b) *non-contestable customer*, the network operator may install a *metering installation* without a *communications link*—

(i) if a *communications link* supported by the *network operator*—

(A) is not available, or could not reasonably be made available, at the *metering installation*; or

(B) is unable to support, or is not reasonably able to support, the necessary reliability requirements under clause 3.11(1)(b)(i); or

(ii) by agreement with the *user* for the relevant *connection point*.

(3) If a device is used as a *data logger*, the *energy data* for a *metering point* on the *network* must be collated in—

(a) for a *5MS meter* on or after *five-minute settlement commencement, five-minute metering interval* or sub-multiples of a *five-minute metering interval*; or

(b) otherwise, *30-minute metering intervals* or sub-multiples of a *30-minute metering interval*,

within the metering installation.

(3A) If, under clause 3.16(3), *energy data* for a *metering point* on the *network* is collated in sub-multiples of a *five-minute metering interval* or *30-minute metering interval* (as applicable), then unless the *Code participant* agrees otherwise, the *network operator* must aggregate the *energy data* into *five-minute metering intervals* (if clause 3.16(3)(a) applies) or *30-minute metering intervals* (if clause 3.16(3)(b) applies) before providing it to a *Code participant*.

(3B) The *network operator* must not install a *Type 5 metering installation* or *Type 6 metering installation* on or after 1 January 2022.

{Note: The effect of clause 3.16(3B) is that the *network operator* may no longer install *Type 5 metering installations* or *Type 6 metering installations* after 1 January 2022. However, subject to clause 3.18A, it is not required to replace existing *Type 5* or *Type 6 metering installations*.}

(3C) Notwithstanding clause 3.16(3B), the *network operator* must continue to comply with all provisions of this *Code* applicable to *Type 5 metering installations* and *Type 6 metering installations* in respect of *Type 5 metering installations* and *Type 6 metering installations* installed prior to 1 January 2022.

{Note: Clause 3.16(3C) clarifies that the *network operator* must continue to comply with relevant provisions of this *Code* for *Type 5 metering installations* and *Type 6 metering installations* that were installed prior to 1 January 2022 or that were installed pursuant to the exception in clause 3.16(3C).}

”.

15. Clause 3.17 amended

The note to clause 3.17 is amended by deleting the words “In accordance with clause 3.14(1), this *Code* does not compel the installation of an *interval meter*. However, the” and inserting the following instead—

“The

”.

16. Heading to clause 3.18 amended

The heading to clause 3.18 is amended by deleting the words “Electricity Retail Corporation” and inserting the following instead—

“

Electricity Generation and Retail Corporation

”.

17. Clause 3.18 amended

Clause 3.18 is amended by deleting the words “*electricity retail corporation*” in each place they occur and inserting the following instead—

“

electricity generation and retail corporation

”.

18. Clause 3.18A inserted

Clause 3.18A and the following heading are inserted after clause 3.18—

“

3.18A Interval meter requirements applicable to contestable customers

Subject to clause 3.14, the *network operator* must ensure that, by *five-minute settlement commencement*, each *5MS meter* complies with clause 3.16.

{Note: where a *connection point* associated with a *contestable customer* or *generator* has more than one *metering installation*, each *metering installation* at that *connection point* will be a *5MS meter* and will be required to comply with clauses 3.16 from *five-minute settlement commencement*.}

”.

19. Clause 3.21 amended

Clause 3.21 is amended by—

- (a) after the words “as shown in Table 3”, inserting the following—

“

or Table 3A

”; and

- (b) after the words “in Appendix 1”, inserting the following—

“

(as applicable)

”.

20. Clause 4.1 amended

Clause 4.1 is amended by—

- (a) in paragraph (1)(b)(i), deleting the word “or”

”; and

- (b) deleting paragraph (1)(b)(ii) and inserting the following instead—

“

(ii) if the *metering point* has an *interval meter* that is not a *5MS meter*—*30-minute interval energy data*; or

”; and

- (c) after paragraph (1)(b)(ii), inserting paragraph (1)(b)(iii) as follows—

“

(iii) if the *metering point* has a *5MS meter*—*five-minute interval energy data*.

”; and

- (d) after paragraph (1), inserting paragraph (1A) as follows—

“

(1A) Despite clause 4.1(1)(b)(iii), prior to *five-minute settlement commencement*, the *metering database* is only required to contain *30-minute interval energy data* in respect of a *metering point* that has a *5MS meter*.

”.

21. Clause 4.3 amended

Clause 4.3 is amended by—

- (a) in Table 2 at item 19, column 2 after the words “in Table 3”, inserting the following—

“

or Table 3A

”; and

- (b) in Table 2 at item 19, column 2 after the words “Appendix 1”, inserting the following—

“

(as applicable)

”.

22. Clause 5.3 amended

Clause 5.3 is amended by—

- (a) in paragraph (1), after the words “or such other time as is specified in”, inserting the following—

“

the

”; and

- (b) after clause 5.3(1), inserting clauses 5.3(2) and (3) as follows—

“

(2) *Energy data* obtained and transferred under clause 5.3(1) must include—

- (a) for a *metering point* at which bi-directional *electricity* flows occur, a separate measurement of each of the *electricity* production and the *electricity* consumption at that *metering point*; and
 - (b) on and from *five-minute settlement commencement*, *five-minute interval energy data* in respect of *5MS meters*.
 - (3) Notwithstanding the provisions of a *service level agreement*, on and from *weekly settlement commencement*, consecutive *dates for a scheduled meter reading* for a *metering point* on the *SWIN* must be no more than 1 week apart, except where the *metering installation* for the *metering point* has an *accumulation meter*.
- ”.

23. Clause 5.6 amended

Clause 5.6 is amended by—

- (a) in paragraph (1), deleting the reference to “5.3(a)” and inserting “5.3(1)(a)” instead; and
 - (b) in paragraph (3), deleting the reference to “5.3(a)” and inserting “5.3(1)(a)” instead; and
 - (c) after paragraph (4), inserting paragraph (5) as follows—
“
 (5) *Energy data* provided under clauses 5.6(1) and 5.6(3) must include—
 - (a) for a *metering point* at which bi-directional *electricity* flows occur, a separate measurement of each of the *electricity* production and the *electricity* consumption at that *metering point*; and
 - (b) on and from *five-minute settlement commencement*, *five-minute interval energy data* in respect of *5MS meters*.
- ”.

24. Clause 5.15 amended

Clause 5.15 is amended by deleting the words “the *IMO*” and inserting the following instead—
“

AEMO

”.

25. Clause 5.21 amended

Clause 5.21(5)(b) is amended by deleting the words “the *IMO*” and inserting the following instead—
“

AEMO

”.

26. Clause 5.22 amended

Clause 5.22 is amended by—

- (a) in paragraph (3), after the words “within the time required under this *Code*,” inserting the following—
“
 or if clause 5.22(7) applies,
”; and
- (b) in paragraph (3), after the words “in Appendix 3 of this *Code*”, inserting the following—
“
 (or, in the case of a *substitution* under clause 5.22(7), a method contained in the *methodology procedure*)
”; and
- (c) in paragraph (5)(c), after the words “Table 3”, inserting the following—
“
 or Table 3A
”; and
- (d) in paragraph (5)(c), after the words “Appendix 1”, inserting the following—
“
 (as applicable)
”; and
- (e) in paragraph (5)(d), deleting the words “a *Type 7*” and inserting the following instead—
“
 an *unmetered*
”; and

- (f) in paragraph (5)(e), deleting the words “*a Type 7*” and inserting the following instead—
“
an unmetered
”; and
- (g) after paragraph (6), inserting paragraph (7) as follows—
“
- (7) Notwithstanding clause 5.3(3) or the occurrence of *weekly settlement commencement*, the *network operator*—
(a) is not required to read the *meter* for a *manually read interval metering installation* on a weekly basis; and
(b) may instead, on and from *weekly settlement commencement*, substitute or estimate weekly *energy data* for a *manually read interval metering installation* in accordance with a method contained in the *metrology procedure* where the *network operator* has not read the *meter* for the relevant *manually read interval metering installation* for the relevant week.
”.

27. Note in clause 5.23(3)(a) amended

The note after clause 5.23(3)(a) is amended by deleting the words “*the IMO*” and inserting the following instead—
“

AEMO

”.

28. Clause 5.29 amended

Clause 5.29(d) is amended by deleting the words “*the IMO*” and inserting the following instead—
“

AEMO

”.

29. Clause 5.37 amended

Clause 5.37(3)(b) is amended by deleting the words “*customers which are not contestable customers*” and inserting the following instead—
“

non-contestable customers

”.

30. Clause 6.22 inserted

Clause 6.22 and the following heading is inserted after clause 6.21—
“

6.22 Transitional—revision of metrology procedure prior to weekly settlement commencement

- (1) Without limiting clause 6.20, the *electricity networks corporation* must, by 1 October 2021, submit to the *Authority* for its approval a revised *metrology procedure* that—
(a) contains a method for estimating weekly *energy data* for manually read interval metering installations; and
(b) reflects any other changes made to this Code by the *2021 Metering Code amendments*.
- (2) The method for estimating weekly *energy data* for manually read interval metering installations referred to in clause 6.22(1)(a) must be consistent with the *National Measurements Act* and this Code.
- (3) Clauses 6.8, 6.11, 6.13(1), 6.14, 6.16, 6.17 and 6.18 apply to a revised *metrology procedure* submitted under clause 6.22(1) and the *Authority*’s consideration of that revised *metrology procedure*, with appropriate modifications including—
(a) replacing a reference to “*document*” with “*revised metrology procedure*”;
(b) replacing clause 6.8(e) with “specify a date from which the *metrology procedure* takes effect, which must be no later than *weekly settlement commencement*”;
(c) replacing “clause 6.2” in clause 6.11(4) with “clause 6.22”; and
(d) replacing “clauses 6.5 to 6.9” in clause 6.14 with “clauses 6.5, 6.8, 6.22(1)(a) and 6.22(2)”.

”.

31. Clause 7.6 amended

Clause 7.6(3) is amended by deleting the words “*the IMO*” and inserting the following instead—
“

AEMO

”.

32. Appendix 1 amended

Appendix 1 is amended by—

- (a) deleting Table 3 and its heading and inserting the following instead—
“

Table 3 Overall Accuracy Requirements of Metering Installation Components in the SWIN

Type	Annual throughput at metering point	Maximum allowable overall error ($\pm\%$) at full load ¹⁹⁶		Minimum acceptable class or standard of components ¹⁹⁷	Clock Error (seconds per month)	Minimum Meter Types	See also the following clauses	Measurement for reactive energy required
		Active	Reactive					
1	1000 GWh and above	0.5	1.0	0.2 CT/VT/Meter Wh 0.5 Meter varh	± 5	Interval meter	3.16 and 5.25	Yes
2	100 GWh to but not including 1000GWh	1.0	2.0	0.5 CT/VT/Meter Wh 1.0 Meter varh	± 7	Interval meter	3.16 and 5.25	Yes
3	750 MWh to but not including 100 GWh	1.5	3.0	0.5 CT/VT 1.0 Meter Wh 2.0 Meter varh	± 10	Interval meter	3.16 and 5.25	Yes
4	Less than 750 MWh or, where installed prior to 1 January 2022, 300 MWh to but not including 750MWh	1.5	NA	Either 0.5 CT and 1.0 Meter Wh; or whole electric current connected General Purpose Meter Wh with a data logger	± 20	Interval meter	3.9(6), 3.16(2A), 3.16(3B) and 5.25	No
5	50 MWh to but not including 300 MWh where installed prior to 1 January 2022	1.5	NA	Either 0.5 CT and 1.0 Meter Wh; or whole electric current connected General Purpose Meter Wh with a data logger	± 20	Interval meter	3.9(6), 3.16(3B) and 5.25	No
6	Less than 50 MWh where installed prior to 1 January 2022	1.5	NA	Whole electric current connected General Purpose Meter Wh	NA	Accumulation meter	3.9(5), 3.9(6), 3.16(3B) and 5.25	No
7	<i>Metering point associated with an unmetered connection point</i>		NA	No Meter. Techniques for determination of estimated energy data to be included in a metrology procedure.	NA		5.25	No

{Note: This table only applies to *metering installations* on the SWIN.}

{Note: Under clause 3.16(3B), a *network operator* in the SWIN may not install Type 5 *metering installations* or Type 6 *metering installations* after 1 January 2022, but (subject to clause 3.18A) is not required to replace existing Type 5 or Type 6 *metering installations*.}

”; and

- (b) deleting the footnotes to Table 3 and inserting the following instead—

¹⁹⁶ Refer to Table 4 to Table 7 for intermediate loads. A reference in this Code to this Table 3 includes as required also a reference to Table 4 to Table 7.

¹⁹⁷ In Table 3, in the column entitled “*Minimum acceptable class or standard of components*”, a reference to “0.2”, “0.5”, “1.0” or “General Purpose” means that the component or meter must meet the requirements of AS 1284.13 for, respectively, what are referenced in AS 1284.13 as Class 0.2, Class 0.5, Class 1 and General purpose meters.

”; and

(c) after Table 3, inserting Table 3A as follows—

Table 3A Overall Accuracy Requirements of Metering Installation Components in networks other than the SWIN

Type	Annual throughput at metering point	Maximum allowable overall error ($\pm\%$) at full load ¹⁹⁸		Minimum acceptable class or standard of components ¹⁹⁹	Clock Error (seconds per month)	Minimum Meter Types	See also the following clauses	Measurement for reactive energy required
		Active	Reactive					
1	1000 GWh and above	0.5	1.0	0.2 CT/VT/Meter Wh 0.5 Meter varh	± 5	Interval meter	5.25	Yes
2	100 GWh to but not including 1000GWh	1.0	2.0	0.5 CT/VT/Meter Wh 1.0 Meter varh	± 7	Interval meter	5.25	Yes
3	750 MWh to but not including 100 GWh	1.5	3.0	0.5 CT/VT 1.0 Meter Wh 2.0 Meter varh	± 10	Interval meter	5.25	Yes
4	300 MWh to but not including 750MWh	1.5	NA	Either 0.5 CT and 1.0 Meter Wh; or whole electric current connected General Purpose Meter Wh with a data logger	± 20	Interval meter	3.9(6) and 5.25	No
5	50 MWh to but not including 300 MWh	1.5	NA	Either 0.5 CT and 1.0 Meter Wh; or whole electric current connected General Purpose Meter Wh with a data logger	± 20	Interval meter	3.9(6) and 5.25	No
6	Less than 50 MWh	1.5	NA	Whole electric current connected General Purpose Meter Wh	NA	Accumulation meter	3.9(5), 3.9(6), and 5.25	No
7	Metering point associated with an unmetered connection point		NA	No Meter. Techniques for determination of estimated energy data to be included in a metrology procedure.	NA		5.25	No

{Note: This table applies to metering installation on networks other than the SWIN.}

"; and

(d) inserting new footnotes (and renumbering all remaining footnotes)—

¹⁹⁸ Refer to Table 4 to Table 7 for intermediate loads. A reference in this Code to this Table 3A includes as required also a reference to Table 4 to Table 7.

¹⁹⁹ In Table 3A, in the column entitled "Minimum acceptable class or standard of components", a reference to "0.2", "0.5", "1.0" or "General Purpose" means that the component or meter must meet the requirements of AS 1284.13 for, respectively, what are referenced in AS 1284.13 as Class 0.2, Class 0.5, Class 1 and General purpose meters.

33. Heading to clause A2.4 amended

The heading to clause A2.4 is amended by deleting the words "Type 7" and inserting the following instead—

"

unmetered

".

34. Clause A2.4 amended

Clause A2.4 is amended by—

(a) in paragraph (1), deleting the words "Type 7" and inserting the following instead—

"

unmetered

”; and

- (b) in paragraph (2), deleting the words “*a Type 7*” and inserting the following instead—

“

an unmetered

”; and

- (c) in paragraph (2)(a), deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

35. Heading to clause A2.9 amended

The heading to clause A2.9 is amended by deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

36. Clause A2.9 amended

Clause A2.9(1) is amended by deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

37. Heading to clause A3.6 amended

The heading to clause A3.6 is amended by deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

38. Clause A3.6 amended

Clause A3.6(1) is amended by deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

39. Heading to clause A3.7 amended

The heading to clause A3.7 is amended by deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

40. Clause A3.7 amended

Clause A3.7(1) is amended by deleting the words “*Type 7*” and inserting the following instead—

“

unmetered

”.

Part 2

41. Clause 1.3 amended

Clause 1.3 is amended—

- (a) by deleting the definition “**market customer**”; and

- (b) by deleting the definition of “**market generator**” and inserting the following definition instead—

“

“**market generator**” means a person who owns, controls or operates an ‘energy producing system’ (as that term is defined in the *market rules*) and is registered as a *market participant* in relation to that energy producing system under section 2.28 of the *market rules*.

”; and

- (c) by deleting the definition of “**market participant**” and inserting the following definition instead—

“

“**market participant**” means a *rule participant* that is registered in the ‘market participant’ class in accordance with section 2.28 of the *market rules*.