



## **National Electricity Amendment (Connecting embedded generators under chapter 5A) Rule 2014 No. 8**

Under the National Electricity Law to the extent applied by:

- (a) the National Electricity (South Australia) Act 1996 of South Australia;
- (b) the Electricity (National Scheme) Act 1997 of the Australian Capital Territory;
- (c) the Electricity - National Scheme (Queensland) Act 1997 of Queensland;
- (d) the Electricity - National Scheme (Tasmania) Act 1999 of Tasmania;
- (e) the National Electricity (New South Wales) Act 1997 of New South Wales;
- (f) the National Electricity (Victoria) Act 2005 of Victoria; and
- (g) the Australian Energy Market Act 2004 of the Commonwealth,

the Australian Energy Market Commission makes the following Rule under the National Electricity Law.

John Pierce  
Chairman  
Australian Energy Market Commission

## **National Electricity Amendment (Connecting embedded generators under chapter 5A) Rule 2014 No. 8**

### **1 Title of Rule**

This Rule is the *National Electricity Amendment (Connecting embedded generators under chapter 5A) Rule 2014 No.8*.

### **2 Commencement**

This Rule commences operation on 1 March 2015.

### **3 Amendment of the National Electricity Rules**

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

### **4 Amendment of the National Electricity Rules**

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

## Schedule 1            Amendment to the National Electricity Rules

(Clause 3)

### [1] Clause 5.3.1A    Application of rule to connection of embedded generating units

Omit clause 5.3.1A and substitute:

#### 5.3.1A    Application of rule to connection of embedded generating units

- (a) For the purposes of this clause 5.3.1A;
  - non-registered embedded generator** has the same meaning as in clause 5A.A.1.
- (b) If a *Connection Applicant* wishes to *connect* an *embedded generating unit*, then:
  - (1) unless otherwise provided, rule 5.3A applies to the proposed connection and clauses 5.3.2, 5.3.3, 5.3.4 and 5.3.5 do not apply to the proposed *connection*; and
  - (2) for the avoidance of doubt, the application of the balance of Chapter 5, Part A to the *Connection Applicant* is otherwise unaffected by this clause 5.3.1A.
- (c) A reference to a *Connection Applicant* in paragraph (b) is to a:
  - (1) person who intends to be an *Embedded Generator*;
  - (2) person who is required to apply to *AEMO* for an exemption from the requirement to register as a *Generator* in respect of an *embedded generating unit*; or
  - (3) non-registered embedded generator who has made an election under clause 5A.A.2(c),

and who makes a *connection* enquiry under clause 5.3A.5 or an *application to connect* under clause 5.3A.9 in relation to any *generating systems*, or any *network elements* used in the provision of a *network service*, as the case may be.

### [2] Clause 5.3A.1    Application of rule 5.3A

Omit clause 5.3A.1 and substitute:

#### 5.3A.1    Application of rule 5.3A

- (a) For the purposes of this rule 5.3A:

**non-registered embedded generator** has the same meaning as in clause 5A.A.1

- (b) Where a *Connection Applicant* wishes to connect an *embedded generating unit*, this rule 5.3A applies.
- (c) For the purposes of this rule 5.3A and Schedules 5.4A and 5.4B:
  - (1) a reference to a *Connection Applicant* is to a:
    - (i) person who intends to be an *Embedded Generator*;
    - (ii) person who is required to apply to *AEMO* for an exemption from the requirement to register as a *Generator* in respect of an *embedded generating unit*; or
    - (iii) non-registered embedded generator who has made an election under clause 5A.A.2(c),

and who makes a *connection enquiry* under clause 5.3A.5 or an *application to connect* under clause 5.3A.9 in relation to any *generating systems*, or any *network elements* used in the provision of a *network service*, as the case may be.

- (2) the *Distribution Network Service Provider* is the *Distribution Network Service Provider* required under clause 5.3A.5 to process and respond to a *connection enquiry* or required under clause 5.3A.10 to prepare an offer to *connect* for the establishment or modification of a *connection* to the *distribution network* owned, controlled or operated by that *Distribution Network Service Provider* or for the provision of a *network service*.

### **[3] Clause 5.4.5 Register of completed embedded generation projects**

In clause 5.4.5(a), omit paragraph (3) and substitute 'and are connected to the *Distributor Network Service Provider's network*'.

### **[4] Clause 5.4.5 Register of completed embedded generation projects**

In paragraph 5.4.5(d)(2) omit 'the review date' and substitute 'the DAPR date'.

### **[5] Clause 5A.A.1 Definitions**

Omit the definition of 'standard' and substitute:

**standard connection service**

means a *connection service* (other than a *basic connection service*) for a particular class (or sub-class) of *connection applicant* and for which a *model standing offer* has been approved by the *AER*.

## [6] Clause 5A.A.1 Definitions

Insert the following definition:

### **confidential information**

means, in relation to a *Registered Participant*, *AEMO* or a *connection applicant*, information which is or has been provided to that *Registered Participant*, *AEMO* or *connection applicant* under or in connection with the *Rules* and which is stated under the *Rules*, or by *AEMO*, the *AER* or the *AEMC*, to be *confidential information* or is otherwise confidential or commercially sensitive. It also includes any information which is derived from such information.

## [7] Clause 5.A.A.2 Application of this Chapter

Omit clause 5.A.A.2 and substitute:

### **5A.A.2 Application of this Chapter**

- (a) This Chapter does not apply to, or in relation to, a *connection applicant* that is a *Registered Participant* or an *Intending Participant* unless the *Registered Participant* or *Intending Participant* is acting as the agent of a *retail customer*.
- (b) Where a non-registered embedded generator wishing to *connect* an *embedded generating unit* to a *Distribution Network Service Provider's network*:
  - (1) falls within a particular class (or subclass) of *connection applicant* for which that *Distribution Network Service Provider* provides a *standard connection service*, this Chapter will apply;
  - (2) does not fall within a particular class (or subclass) of *connection applicant* for which that *Distribution Network Service Provider* provides a *standard connection service*, paragraph (c) will apply.
- (c) A non-registered embedded generator that meets the requirements in paragraph (b)(2) may elect to seek *connection* of the relevant *embedded generating unit* under rule 5.3A instead of this Chapter.
- (d) Any election made by a non-registered embedded generator under paragraph (c) must be:

- (1) made before an *enquiry* is made or if no *enquiry* is made, before a *connection application* is lodged with the relevant *Distribution Network Service Provider*;
  - (2) in writing; and
  - (3) delivered to the relevant *Distribution Network Service Provider* at the same time as lodging an *enquiry* under clause 5.3A.5.
- (e) For the avoidance of doubt, clause 5A.C.1(a)(2) is still applicable when a non-registered embedded generator meets the requirements in paragraph (b)(1).

## **[8] Clause 5A.D.1 Publication of information**

Omit clause 5A.D.1 and substitute:

### **5A.D.1 Publication of information**

- (a) A *Distribution Network Service Provider* must publish on its website the following:
- (1) an application form for a *new connection* or a *connection alteration*; and
  - (2) a description of how an application for a *new connection* or a *connection alteration* is to be made (including a statement of the information required for the application); and
  - (3) a description of the *Distribution Network Service Provider's basic connection services* and *standard connection services* and the classes (or subclasses) of *retail customer* to which they apply. If the *Distribution Network Service Provider* does not provide *standard connection services* for all or some non-registered embedded generators, a clear statement to this effect must also be included in the description; and
  - (4) an explanation of the *connection applicant's* right to negotiate with the *Distribution Network Service Provider* for a negotiated *connection contract* and a description of the negotiation process; and
  - (5) the requirements for an expedited *connection*; and
  - (6) the basis for calculation of *connection charges*; and
  - (7) information set out in clause 5.3A.3(b)(1)(vii), (2)-(7) as such information relates to the *connection of embedded generating units* by a non-registered embedded generator.

- (b) To the extent a *Distribution Network Service Provider* has provided the information required under paragraph (a)(7) by including that information in its information pack *published* under clause 5.3A.3(a)(3), it will be taken to have complied with paragraph (a)(7).

## **[9] New clause 5A.D.1A Register of completed embedded generation projects**

After clause 5A.D.1, insert:

### **5A.D.1A Register of completed embedded generation projects**

- (a) For the purposes of this clause 5A.D.1A:

**completed non-registered embedded generation projects** means all *embedded generating units*, operated or controlled by a non-registered embedded generator that are *connected* to the *Distribution Network Service Provider's network*.

**DAPR date** has the same meaning as in clause 5.13.2.

- (b) In relation to completed non-registered embedded generation projects, a *Distribution Network Service Provider* must establish and *publish*, on its website, a register of the *plant*, including but not limited to:
- (1) technology of *generating unit* (e.g. *synchronous generating unit*, induction generator, photovoltaic array, etc) and its make and model;
  - (2) maximum power *generation* capacity of all *embedded generating units* comprised in the relevant *generating system*;
  - (3) contribution to fault levels;
  - (4) the size and rating of the relevant *transformer*;
  - (5) a single line diagram of the *connection* arrangement;
  - (6) *protection systems* and communication systems;
  - (7) *voltage* control, *power factor* control and/or *reactive power capability* (where relevant); and
  - (8) details specific to the location of a *facility connected* to the *network* that are relevant to any of the details in subparagraphs (1)-(7).
- (c) The *Distribution Network Service Provider* must not *publish confidential information* as part of, or in connection with, the register, unless disclosure of the information is authorised:

- (1) by the party to whom the duty of confidentiality is owed; or
- (2) under:
  - (i) the *National Electricity Law* or the *Rules*; or
  - (ii) any other law.
- (d) The *Distribution Network Service Provider* must:
  - (1) by the DAPR date each year, include in the register the details contained in paragraph (b) for all completed non-registered embedded generation projects since the date the register referred to in paragraph (b) is established; and
  - (2) in the fifth year after the establishment of the register, and in each year thereafter, update the register by the DAPR date with details of all completed non-registered embedded generation projects in the 5 year period preceding the DAPR date.
- (e) To the extent a *Distribution Network Service Provider* includes the information required under paragraphs (b) and (d) in its register established under clause 5.4.5, it will be taken to have complied with paragraphs (b) and (d).

### **[10] Clause 5A.D.3 Application Process**

In clause 5A.D.3(f)(1), before "advise the *connection applicant*" insert "subject to any statements made on its website under clause 5A.D.1(a)(3),".

## **Schedule 2            Amendment to the National Electricity Rules**

(Clause 4)

### **[1] Chapter 10            Substituted definitions**

In chapter 10, substitute the following definitions:

#### ***Generator***

A person who engages in the activity of owning, controlling or operating a *generating system* that is *connected* to, or who otherwise *supplies* electricity to, a *transmission* or *distribution system* and who is registered by *AEMO* as a *Generator* under Chapter 2.

For the purposes of Chapter 5, the term includes a person who is required or intends to register in that capacity or is a non-registered embedded generator (as defined in clause 5A.A.1) who has made an election under clause 5A.A.2(c).

### **[2] Chapter 10            Amended definitions**

In chapter 10, after the definition of *Confidential Information* insert:

#### **Note:**

In the context of Chapter 5A, the above definition has been displaced by a definition specifically applicable to that Chapter. See clause 5A.A.1.

### **[3] Chapter 10            Amended definitions**

In chapter 10, after the definition of *retail customer*, omit the note and insert:

#### **Note:**

In the context of Chapter 5A, the above definition has been supplemented by a definition specifically applicable to that Chapter. See clause 5A.A.1.

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[END OF RULE AS MADE]

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