



National Electricity Amendment (Real-time data for consumers) Rule 2025 No.12

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 (Real-time data for consumers) Rule 2025 No.12

1 Title of Rule

This Rule is the *National Electricity Amendment (Real-time data for consumers) Rule 2025 No.12*.

2 Commencement

Schedule 1 of this rule commences operation on 26 November 2026.

Schedule 2 of this rule commences operation on 30 November 2028.

Schedule 3 of this rule commences operation on 18 December 2025.

3 Amendment to the National Electricity Rules

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

4 Amendment to the National Electricity Rules

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

5 Savings and Transitional Amendment to the National Electricity Rules

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

Schedule 1 Amendment to the National Electricity Rules

(Clause 3)

[1] Clause 7.3.2 Role of metering coordinator

After clause 7.3.2(n), insert:

Information or assistance requested by the energy ombudsman

- (o) Where a *retailer* receives a request for information or assistance from an *energy ombudsman* relating to a *small customer* complaint or dispute under section 85 of the *NERL*, the *retailer* may request information or assistance from the *Metering Coordinator* appointed in respect of the *connection point* of that *small customer* if the information or assistance from the *Metering Coordinator* is reasonably necessary for the *retailer* to respond to the *energy ombudsman's* request.
- (p) A *Metering Coordinator* that receives a request under paragraph (o) must promptly:
 - (1) provide any relevant information that is in its custody or control;
 - (2) respond to any reasonable request for assistance; and
 - (3) where information or assistance needs to be provided by the *Metering Data Provider* or *Metering Provider*, request that the information or assistance be provided.
- (q) A *Metering Data Provider* or *Metering Provider* that receives a request from a *Metering Coordinator* under subparagraph (p)(3) must promptly:
 - (1) provide any relevant information that is in its custody or control; and
 - (2) respond to any reasonable request for assistance.

Schedule 2 Amendment to the National Electricity Rules

(Clause 4)

[1] Clause 7.1.1 Contents

After clause 7.1.1(b1), insert:

- (b2) the qualifications and registration requirements applying to *Real-time Data Authorised Recipients*;

[2] Clause 7.1.1 Contents

In clause 7.1.1(g), after "and *metering data*" insert ", *real-time data*".

[3] Clause 7.3.1 Responsibility of the Metering Coordinator

In clause 7.3.1(a)(3), after "and *metering data*" insert ", *real-time data*".

[4] Clause 7.3.2 Role of the Metering Coordinator

After clause 7.3.2(q), insert:

Real-time data

- (r) The *Metering Coordinator* appointed in respect of a *connection point* must facilitate access to *real-time data* for *small customers* and *Real-time Data Authorised Recipients* in accordance with the *Rules* and the *real-time data procedures*.

[5] Rule 7.4 Qualification and Registration of Metering Providers, Metering Data Providers, Embedded Network Managers and NMI Service Providers

In the title of rule 7.4, omit "and NMI Service Providers" and substitute ", NMI Service Providers and Real-time Data Authorised Recipients".

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

In the title of clause 7.4.4, omit "and NMI Service Providers" and substitute ", NMI Service Providers and Real-time Data Authorised Recipients".

[7] Clause 7.4.4 Qualification and Registration of Metering Providers, Metering Data Providers, Embedded Network Managers, NMI Service Providers and Real-time Data Authorised Recipients

In clause 7.4.4(a1), after "deregistration of *Embedded Network Manager*" insert "and *Real-time Data Authorised Recipient*".

[8] Clause 7.4.4 Qualification and Registration of Metering Providers, Metering Data Providers, Embedded Network Managers, NMI Service Providers and Real-time Data Authorised Recipients

In clause 7.4.4(a2), omit "*Embedded Network Manager* or *NMI Service Provider*" and substitute "*Embedded Network Manager, NMI Service Provider* or *Real-time Data Authorised Recipient*".

[9] Clause 7.4.4 Qualification and Registration of Metering Providers, Metering Data Providers, Embedded Network Managers, NMI Service Providers and Real-time Data Authorised Recipients

In clause 7.4.4(a)(2), omit "*Embedded Network Manager* or *NMI Service Provider*" and substitute "*Embedded Network Manager, NMI Service Provider* or *Real-time Data Authorised Recipient*".

[10] Clause 7.4.4 Qualification and Registration of Metering Providers, Metering Data Providers, Embedded Network Managers, NMI Service Providers and Real-time Data Authorised Recipients

In clause 7.4.4(b), omit "*Embedded Network Manager* or *NMI Service Provider*" and substitute "*Embedded Network Manager, NMI Service Provider, Real-time Data Authorised Recipient*".

[11] New Clause 7.4.5 Qualifications and registration of Real-time Data Authorised Recipients

After clause 7.4.4, insert:

7.4.5 Qualifications and registration of Real-time Data Authorised Recipients

- (a) This clause applies where a person requires accreditation and registration by *AEMO* to be a *Real-time Data Authorised Recipient* under subrule 59D(2)(c) of the *NERR*.
- (b) *AEMO* must *publish* guidelines for applications for accreditation and registration as a *Real-time Data Authorised Recipient* under this clause 7.4.5.
- (c) Any person may apply to *AEMO* for accreditation and registration as a *Real-time Data Authorised Recipient* in accordance with any guidelines *published* under paragraph (b).
- (d) *AEMO* must not register a person to be a *Real-time Data Authorised Recipient* unless *AEMO* is satisfied that the person:
 - (1) is a fit and proper person to handle *real-time data* in accordance with the *Rules*; and
 - (2) will take steps to adequately protect *real-time data* from misuse, interference, loss, unauthorised access, modification or disclosure.
- (e) A *Real-time Data Authorised Recipient* must comply with the provisions of the *Rules* and procedures authorised under the *Rules* that are expressed to apply to *Real-time Data Authorised Recipients*.

[12] Clause 7.15.1 Confidentiality

In clause 7.15.1(a), after "*basic power quality data*," insert "*real-time data*,"

[13] Clause 7.15.1 Confidentiality

In clause 7.15.1(b), after "*metering data*" insert "*real-time data*"

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

Omit clause 7.15.4 and substitute:

7.15.4 Additional security controls for small customer metering installations

- (a) This clause does not apply in relation to access to *real-time data* from a *small customer metering installation*.

Note

In relation to access to *real-time data*, refer to clause 7.15.7.

- (b) In respect of a *small customer metering installation*:

- (1) the *Metering Coordinator* must ensure that access to *energy data* held in the *metering installation* is only given to a person and for a purpose that is permitted under the *Rules*;
- (2) the *Metering Coordinator* must ensure that access to services provided by the *metering installation* and *metering data* from the *metering installation* is only given to:
 - (i) in respect of a service listed in the *minimum services specification* in column 1 of table S7.5.1.1 and of *metering data* in connection with that service, an *access party* listed in column 3 of table S7.5.1.1;
 - (ii) a person and for a purpose that is permitted under the *Rules*; or
 - (iii) except as otherwise specified in subparagraph (i) or (ii):
 - (A) the *Local Network Service Provider*, but only to the extent that, in the *Metering Coordinator's* reasonable opinion, such access is reasonably required by the *Local Network Service Provider* to enable it to meet its obligations to provide a safe, reliable and secure *network*; or
 - (B) a person and for a purpose to which the *small customer* has given prior consent;
- (3) the *Metering Coordinator* must ensure that the services provided by the *metering installation* are protected from local access and remote access by suitable password and security controls in accordance with paragraph (e);
- (4) the *Metering Provider* must keep records of passwords secure; and
- (5) the *Metering Provider* must ensure that:
 - (i) it forwards a copy of a password allowing local access and a copy of a password allowing remote access to the *metering installation*, services provided by the *metering installation* and *energy data* held in the *metering installation*, to the *Metering Coordinator*, *Metering Data Provider*, *Embedded Network Manager* in relation to *child connection points* and *AEMO*; and
 - (ii) except as provided above, no other person receives or has access to a copy of a password allowing local access or remote access to the *metering installation*, services provided by the *metering installation* or *energy data* held in the *metering installation*.

Note

This clause is classified as a tier 2 civil penalty provision under the National Electricity (South Australia) Regulations. (See clause 6(1) and Schedule 1 of the National Electricity (South Australia) Regulations.)

[15] New Clause 7.15.7 Metering Coordinator obligation to facilitate access to real-time data

After clause 7.15.6, insert:

7.15.7 Metering Coordinator obligation to facilitate access to real-time data

- (a) This clause applies only in respect of a *small customer metering installation*.
- (b) The *Metering Coordinator* appointed in respect of a *connection point* must facilitate access to *real-time data* for a *small customer* or *Real-time Data Authorised Recipient* if requested by the relevant *retailer* following a request received by the *retailer* in accordance with rule 59E of the *NERR*.
- (c) Where a *retailer* has received a request for *real-time data* access under rule 59E of the *NERR*:
 - (1) the *retailer* and *Metering Coordinator* must provide each other with the information necessary to facilitate *real-time data* access; and
 - (2) the *Metering Coordinator* must ensure that the *retailer* is aware of whether the *metering installation* meets the *minimum services specification* in item (g) of table S7.5.1.1.
- (d) The *Metering Coordinator* must facilitate access to *real-time data* under paragraph (b) in accordance with the *real-time data procedures* and the following requirements:
 - (1) *real-time data* must be facilitated by, at a minimum, a one-way or unidirectional signal; and
 - (2) at least four parties must be able to access *real-time data* at the same time.
- (e) Where a request has been received from a *retailer* in accordance with rule 59E of the *NERR*, the *Metering Coordinator* must:
 - (1) ensure access is facilitated in accordance with the request and notify the *retailer* when the request is completed;
 - (2) notify the *retailer* if any of the circumstances permitting an extension of time under subrule 59E(6) of the *NERR* apply to the *small customer metering installation*; and

- (3) notify the *retailer* if *real-time data* access cannot be facilitated due to any circumstances specified in subrule 59E(7) of the *NERR*.
- (f) Subject to paragraphs (g) and (h), where access to *real-time data* has been enabled at a *small customer metering installation*, the *Metering Coordinator* must facilitate ongoing access to *real-time data* for the *small customer* and any *Real-time Data Authorised Recipient* when requested by the *retailer*.
- (g) The *Metering Coordinator* must revoke access to *real-time data* when revocation of access is requested by the *retailer*.
- (h) Where *real-time data* is being provided and the *Metering Coordinator* for the *connection point* changes, the *retailer* must ensure the incoming *Metering Coordinator* continues to facilitate access to *real-time data* for the *small customer* or *Real-time Data Authorised Recipient*.

Charging for facilitating access to real-time data

- (i) The amount that a *Metering Coordinator* may charge a *retailer* for facilitating access to *real-time data* must not exceed a reasonable estimate of the costs incurred, or likely to be incurred, by the *Metering Coordinator* to facilitate access to *real-time data*.

Security controls for real-time data

- (j) The *Metering Coordinator* must ensure that access to *real-time data* is only given to a person and for a purpose that is permitted under the *Rules*.
- (k) The *Metering Coordinator* must ensure that *real-time data* is protected from unauthorised local and remote access by suitable security controls.

[16] New Clause 7.16.6E Procedures regarding real-time data

After clause 7.16.6D, insert:

7.16.6E Procedures regarding real-time data

- (a) *AEMO* must establish, maintain and *publish* the *real-time data procedures* in accordance with clause 7.16.1. The *real-time data procedures* must include:
 - (1) procedures for ensuring that *real-time data* can be accessed securely by devices outside of the *metering installation*;
 - (2) minimum requirements for measuring root mean square (RMS) voltage, current and phase angle, including minimum resolution and sampling frequency;

- (3) open standards-based communications protocols that can be used to provide *real-time data* to *small customers* and to *Real-time Data Authorised Recipients*;
 - (4) circumstances in which the timeframe for facilitating access specified in subrule 59E(5) of the *NERR* may be extended under subrule 59E(6)(d) of the *NERR*; and
 - (5) any circumstances in which a *retailer* will not be required to facilitate access to *real-time data*, including where it is not feasible to make *real-time data* available at the premises due to circumstances beyond the control of the *Metering Coordinator*.
- (b) The *real-time data procedures* may include:
- (1) minimum security controls for access to *real-time data*;
 - (2) a standard format for provision of *real-time data*.
 - (3) any circumstances in which facilitating access to *real-time data* may be challenging and any processes or requirements that should apply in those circumstances;
 - (4) a communications mechanism that can be used to provide *real-time data* to *small customers* and to *Real-time Data Authorised Recipients*; and
 - (5) any other requirements that *AEMO* considers are reasonably necessary to facilitate access to *real-time data* in a way that supports security and interoperability.

[17] Clause S7.5.1 Minimum services specification

In clause S7.5.1(a) omit " paragraph (d)" and substitute "paragraphs (d) and (e)".

[18] Clause S7.5.1 Minimum services specification

In clause S7.5.1(c) omit "and" at the end of the paragraph.

[19] Clause S7.5.1 Minimum services specification

In clause S7.5.1(d) omit "." at the end of the paragraph and substitute "; and".

[20] Clause S7.5.1 Minimum services specification

After clause S7.5.1(d) insert:

- (e) in relation to a *small customer metering installation*, is capable of providing the service listed in item (g) in table S7.5.1.1 in accordance with *real-time data procedures* made under clause 7.16.6E.

[21] Clause S7.5.1 Minimum services specification - services and access parties

In clause S7.5.1, in Table S7.5.1.1, after row (f), insert a new row (g):

1. Service	2. Description	3. Access Party
(g) <i>real-time data</i> access service	The wireless communication of <i>real-time data</i> .	<i>Real-time Data Authorised Recipients</i>

[22] Clause 8.2.1 Application and guiding principles

In clause 8.2.1(a1), after "*Embedded Network Managers*," insert "*Real-time Data Authorised Recipients*".

[23] Clause 8.6.1A Application

In clause 8.6.1A, after "*Third Party B2B Participants*" insert ", *Real-time Data Authorised Recipients*".

[24] Chapter 10 Glossary

In chapter 10, insert the following new definitions in alphabetical order:

real-time data

Measurements of voltage (in volts), current (in amperes) and phase angle made available by one or more measurement elements in a *small customer metering installation* at a resolution of no less than once per second in accordance with the requirements of the *real-time data procedures*.

Real-time Data Authorised Recipient

Has the meaning given to 'real-time data authorised recipient' in the *NERR*.

real-time data procedures

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

Schedule 3 Savings and Transitional Amendment to the National Electricity Rules

(Clause 5)

[1] Chapter 11 Savings and Transitional Amendment to the National Electricity Rules

In Part ZZZZZJ, after Rule 11.188, insert:

11.189 Rules consequential on making the National Electricity Retail Amendment (Real-time data for consumers) Rule 2025 No.12

11.189.1 Definitions

In this rule 11.189:

Amending Rule means the *National Electricity Amendment (Real-time data for consumers) Rule 2025 No.12*.

commencement date means 30 November 2028.

new clause 7.4.5 means clause 7.4.5 of the *Rules* as in force on and from the commencement date.

new clause 7.4.5(b) means clause 7.4.5(b) of the *Rules* as in force on and from the commencement date.

Real-time Data Authorised Recipient has the same meaning as in Schedule 2 of the Amending Rule.

real-time data procedures has the same meaning as in Schedule 2 of the Amending Rule.

11.189.2 AEMO procedures

- (a) No later than 30 November 2026, *AEMO* must *publish* the initial real-time data procedures in accordance with the *Rules consultation procedures*.
- (b) No later than 1 May 2027, *AEMO* must *publish* the guidelines required under new clause 7.4.5(b).
- (c) No later than 1 May 2027, *AEMO* must review and, where *AEMO* considers it necessary or desirable, amend and *publish* the procedures required by clause 7.4.4(a1) to account for the Amending Rule.

11.189.3 Accreditation of Real-time Data Authorised Recipients prior to the commencement date

- (a) Any person may apply to *AEMO* for accreditation and registration as a Real-time Data Authorised Recipient in accordance with new clause 7.4.5 from 2 May 2027.

- (b) *AEMO* must consider an application under paragraph (a) and may accredit and register the person to be a Real-time Data Authorised Recipient in accordance with new clause 7.4.5.
- (c) An accreditation and registration granted under paragraph (b) will take effect as an accreditation and registration under new clause 7.4.5 on and from the commencement date.

[END OF RULE AS MADE]
