



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

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

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

1 Title of Rule

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

2 Commencement

Schedule 1 of this rule commences operation on 1 July 2026, immediately after Schedule 2 of the National Electricity Amendment (Accelerating smart meter deployment) Rule 2024 No.20.

Schedule 2 of this rule commences operation on 1 January 2028.

Schedule 3 of this rule commences operation on 11 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* for that *small customer's connection point*, if this 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 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.

Note

AEMC proposes to recommend that this paragraph is classified as a tier 3 civil penalty provision under the National Electricity (South Australia) Regulations. (See clause 6(1) and Schedule 1 of the National Electricity (South Australia) Regulations.)

Schedule 2 Amendment to the National Electricity Rules

(Clause 4)

[1] Clause 7.1.1 Contents

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

[2] Clause 7.3.1 Responsibility of the Metering Coordinator

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

[3] Clause 7.3.2 Role of the Metering Coordinator

After clause 7.3.2(q), insert:

Real-time data

- (r) The *Metering Coordinator* for a *connection point* must facilitate access to *real-time data* for *small customers* and *real-time data authorised recipients* in accordance with the *Rules*, the *real-time data procedures* and clause 7.15.7.

[4] 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*".

[5] New Clause 7.4.5 Accreditation of real-time data authorised recipients

After clause 7.4.4, insert:

7.4.5 Accreditation of real-time data authorised recipients

- (a) This clause applies where a person requires accreditation from *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 under this clause 7.4.5.
- (c) Any person may apply to *AEMO* for accreditation as a *real-time data authorised recipient* in accordance with any guidelines *published* under paragraph (b).
- (d) *AEMO* must not accredit 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*.

[6] Clause 7.15.1 Confidentiality

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

[7] Clause 7.15.1 Confidentiality

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

[8] New Clause 7.15.7 Access to and security controls for real-time data

After clause 7.15.6, insert:

7.15.7 Access to and security controls for real-time data

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* for a *connection point* must facilitate access to *real-time data* for a *small customer* or *real-time data authorised recipient* if requested by the *retailer* for that *connection point* following a request made in accordance with rule 59E of the *NERR*.
- (c) The *Metering Coordinator* must facilitate access to *real-time data* under paragraph (b) in accordance with the *real-time data procedures* and the following minimum standards:
 - (1) *real-time data* must be facilitated by, at a minimum, a one-way or unidirectional signal; and
 - (2) where *real-time data* is being communicated wirelessly, at least four parties must be able to access *real-time data* at the same time.
- (d) Where the *Metering Coordinator* has received a request from a *retailer* in accordance with rule 59E of the *NERR*, the *Metering Coordinator* must:

- (1) notify the *retailer* whether the *small customer metering installation* meets the *minimum services specification* in item (g) of table S7.5.1.1;
 - (2) facilitate access in accordance with the request and notify the *retailer* when the request is completed;
 - (3) 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
 - (4) notify the *retailer* if *real-time data* access cannot be facilitated due to any circumstances specified in subrule 59E(7) of the *NERR*.
- (e) Subject to paragraph (f), 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* free of charge when requested by the *retailer*.

Charging for facilitating access to real-time data

- (f) The *Metering Coordinator* may only charge the *retailer* for facilitating access to *real-time data*:
- (1) once for a *connection point*; and
 - (2) where the *small customer metering installation* was installed prior to 1 January 2028 and does not meet the *minimum services specification* in item (g) of table S7.5.1.1

Note

The AEMC proposes to recommend that this paragraph 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.)

- (g) The amount that a *Metering Coordinator* charges under paragraph (f) 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*.
- (h) Where *real-time data* is being provided and the *Metering Coordinator* for the *connection point* changes:
- (1) the outgoing *Metering Coordinator* must transfer control of any existing *real-time data* stream, including any security controls, to the new *Metering Coordinator* for that *connection point*; and
 - (2) the new *Metering Coordinator* must facilitate ongoing access to *real-time data* free of charge.

Security controls for real-time data

- (i) 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*.
- (j) The *Metering Coordinator* must ensure that *real-time data* is protected from unauthorised local and remote access by suitable security controls.

[9] 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 end consumers 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*;
 - (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*; and
 - (6) the minimum timeframe for *real-time data* to be received by an external device, which must be:
 - (i) latency of no more than 5 seconds; or
 - (ii) in circumstances where *AEMO* considers that a longer latency would be justified, the maximum latency specified in the *real-time data procedures*.
- (b) The *real-time data procedures* may include:
 - (1) minimum security controls for access to *real-time data*; and
 - (2) a standard format for provision of *real-time data*.

[10] Clause S7.5.1 Minimum services specification

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

[11] Clause S7.5.1 Minimum services specification

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

[12] Clause S7.5.1 Minimum services specification

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

[13] Clause S7.5.1 Minimum services specification

After clause S7.5.1(d) insert:

- (e) in relation to a type 4 or type 4A *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.

[14] 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 and wired communication of <i>real-time data</i> .	<i>Real-time data authorised recipients</i>

[15] Clause 8.6.1A Application

In clause 8.6.1A, after "*Third Party B2B Participants*" insert ", *real-time data authorised recipients*".

[16] 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 type 4 or type 4A *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 it 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, insert:

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

11.xxx.1 Definitions

In this rule 11.xxx:

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

commencement date means 1 January 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 1 of the Amending Rule.

real-time data procedures has the same meaning as in Schedule 1 of the Amending Rule.

11.xxx.2 AEMO procedures

- (a) No later than 1 July 2026, *AEMO* must *publish* the initial real-time data procedures in accordance with the *Rules consultation procedures*.
- (b) No later than 1 November 2026, *AEMO* must *publish* the guidelines required under new clause 7.4.5(b).

11.xxx.3 Accreditation of real-time data authorised recipients prior to the commencement date

- (a) Any person may apply to *AEMO* for accreditation as a real-time data authorised recipient in accordance with new clause 7.4.5 from 1 November 2026.
- (b) *AEMO* must consider an application under paragraph (a) and may accredit the person to be a real-time data authorised recipient in accordance with new clause 7.4.5.

- (c) An accreditation granted under paragraph (b) will take effect as an accreditation under new clause 7.4.5 on and from the commencement date.