

**NATIONAL ELECTRICITY RULES (Rules)  
Notice under clause 4.11.1(d)  
Remote monitoring equipment**

1. This notice is given to **The Trustee for the NSW Electricity Networks Operations Trust trading as Transgrid ABN 70 250 995 390 (Transgrid)**, a Network Service Provider, under clause 4.11.1(d) of the Rules, in order to allow *AEMO* to discharge its *market and power system security* functions.
  
2. *AEMO* requires Transgrid to:
  - 2.1. upgrade, modify or replace *remote monitoring equipment*, being the existing phasor measurement units at [REDACTED] so that they comply, if they do not currently comply, with the specifications set out in Attachment 1, to remotely monitor the performance of Transgrid's *transmission system* at those locations
  
  - 2.2. install *remote monitoring equipment*, being phasor measurement units complying with the specifications set out in Attachment 1, to replace the existing Qualitrol HSMs and remotely monitor the performance of TransGrid's *transmission system* at the following locations (more specifically described in Attachment 1):

Location
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

- 2.3. install *remote monitoring equipment*, being phasor measurement units complying with the specifications set out in Attachment 1, to remotely monitor the performance of TransGrid's *transmission system* at the following locations (more specifically described in Attachment 1):

Location
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

2.4. install *remote monitoring equipment*, being phasor measurement units complying with the specifications set out in Attachment 1, to remotely monitor the performance of TransGrid’s *transmission system* at the following locations (more specifically described in Attachment 1):

Location
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

3. Under clause 4.11.1(e) of the Rules, Transgrid is required to comply with this notice within 120 *business days* or such further period that *AEMO* requires.

In relation to:

- 3.1. paragraphs 2.1 and 2.2, *AEMO* requires compliance with this notice by 31 December 2023.
- 3.2. paragraph 2.3, *AEMO* requires compliance with this notice by 31 December 2024.
- 3.3. paragraph 2.4, *AEMO* requires compliance with this notice by 31 December 2025.

4. Compliance with this notice is a “regulatory obligation or requirement” for the purposes of the National Electricity (New South Wales) Law and failure to comply is a Tier 3 civil penalty under the National Electricity (New South Wales) Regulations.

5. *AEMO* requests that Transgrid promptly notify *AEMO*:

- (a) if it becomes aware that a phasor measurement unit referred to in paragraph 2.1 cannot be upgraded, modified or replaced within the period allowed under paragraph 3, with reasons for the delay and an estimated completion date.

- (b) if it becomes aware that a phasor measurement unit referred to in paragraph 2.2 or 2.3 cannot be installed within the period allowed under paragraph 3, with reasons for the delay and an estimated installation date;
  - (c) of the commissioning of a phasor measurement unit upgraded, modified, replaced or installed under this request; and
  - (d) if Transgrid becomes aware that a phasor measurement unit upgraded, modified, replaced or installed under this request will be or is undergoing maintenance or will be or is otherwise out of service for any reason.
6. Existing high-speed monitoring (HSM) devices that are not to be replaced by a PMU must be retained (this requirement does not apply during the construction period of the works).
7. In this notice, unless the contrary intention appears, a word or expression *in this style* has the meaning given in the Rules.

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For and on behalf of Australian Energy Market Operator Limited

Dated: