



Distribution reliability and  
performance reporting

# Electricity networks reporting manual

June 2021

Energy >>

## Tribunal Members

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## Amendment record

| Issue                                                     | Date issued           | Amendments made                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENRM first issue up to version 4                          | June 2016 to May 2017 | See previous issues for related amendments.                                                                                                                                                                                                                                                                  |
| ENRM – Distribution reliability and performance reporting | October 2017          | Separate Reporting Manuals published for reporting requirements.<br>Inserting Chapter 1 – The purpose and status of this reporting manual.<br>Various amendments to text to improve clarity.<br>Remove Appendix A – licence conditions for individual operators and Appendix B – individual non-compliances. |
| ENRM – Distribution reliability and performance reporting | April 2018            | Inserting sign-off requirements on reports. Minor edits and formatting improvements.                                                                                                                                                                                                                         |
| ENRM – Distribution reliability and performance reporting | July 2019             | Addition of obligations for new licence conditions 5A and 7.3A.<br>Amendment to condition 7.6(c)                                                                                                                                                                                                             |
| ENRM – Distribution reliability and performance reporting | June 2021             | Addition of request for quarterly information disclosure about distributed energy resources.<br>Update of IPART's Report Template.                                                                                                                                                                           |

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# 1 The purpose and status of this Reporting Manual

IPART has issued this Reporting Manual and other Reporting Manuals. IPART will review and amend these Reporting Manuals from time to time.

Licence conditions for the licensed electricity network operators require that the licence holder complies with any Reporting Manuals issued by the IPART. Although no regulatory requirement to comply with a Reporting Manual exists for non-licensed electricity network operators, IPART expects that all electricity network operators will comply with the Reporting Manuals where applicable to their specific reporting obligations. Each Reporting Manual may not apply to all electricity network operators, and this is specified where relevant.

The reporting requirements specified in these Reporting Manuals do not replace any requirements identified in licence conditions, legislation, statutory instruments or codes that apply to electricity network operators. Compliance with Reporting Manuals is required in addition to, not in substitution for, compliance with other applicable obligations.

The information gathered through the reporting requirements outlined in this document will allow IPART to:

- Determine whether electricity network operators are consistently and effectively meeting statutory obligations,
- Identify immediate risks and long term trends
- Identify trends that signify emerging issues across the industry with a view to developing safety measures or supporting industry safety initiatives where appropriate.

A review of the reporting requirements will be conducted periodically to accommodate any changes to statutory requirements and licence conditions.

IPART has also issued Audit Guidelines to guide the electricity network operators on how to maintain compliance with their obligations.

## 2 Quarterly reporting requirements for reliability and performance standards

Ausgrid, Endeavour Energy and Essential Energy (licence holders) must report quarterly against the ministerially-imposed reliability and performance licence conditions which cover:

- Network overall reliability standards
- Individual feeder standards
- Individual customer standards
- Customer service standards.

Quarterly reliability and performance reports are due to IPART within one month of the end of each quarter. The licence holders must submit the following quarterly reports to IPART within a month of March, June, September and December as noted under conditions 5A.2 and 5A.

### 2.1 Content

Table 2.1 lists the reliability and performance licence conditions that set the content of the quarterly reports. This have been categorised per licence holder.

Table 2.1 Reporting requirements against reliability and performance licence conditions

| Licence Holder   | Licence                                                                                                                                                                 | Conditions |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Ausgrid          | <i>Schedule of Ministerially imposed licence conditions for the operator of a Transacted Distribution System found in the Ausgrid Licence</i>                           | 7.1 to 7.4 |
| Essential Energy | <i>Schedule of Ministerially imposed reliability and performance licence conditions for the Operator of a Distribution System found in the Essential Energy Licence</i> | 7.1 to 7.4 |
| Endeavour Energy | <i>Schedule of Ministerially imposed licence conditions for the operator of a Transacted Distribution System found in the Endeavour Energy Licence</i>                  | 7.1 to 7.4 |

### 2.2 How to lodge a quarterly standards report

The quarterly reports are due to IPART within one month of the end of each quarter.

The licence holder must lodge the reports by email to [energy@ipart.nsw.gov.au](mailto:energy@ipart.nsw.gov.au). It should provide contact details (phone, email) of the primary contact as well as an alternative contact for those times when the primary contact is unavailable.

The CEO or equivalent (e.g. Managing Director if there is no CEO), must sign off each report. We expect the sign-off to be in the form of a cover letter appended to the report. Where the CEO (or equivalent) has delegated this responsibility, IPART may request evidence of the delegation.

## 2.3 Information on reliability and performance audits

The licence holder's performance against the reliability and performance standards must be independently audited after the end of each financial year, with the audit report due to IPART by 30 September.<sup>1</sup> Further information on reliability and performance audits can be found in IPART's *Electricity Networks Audit Guidelines*.

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<sup>1</sup> *Operator of Distribution systems Licence, Ausgrid, Endeavour Energy and Essential Energy Licences* conditions 7.6 and 7.12.

## 3 Request for quarterly information disclosure

In IPART's 2021 Final Report on the Review of Electricity Distribution Reliability Standards, we recommended that the Minister impose new information disclosure licence conditions on the licence holders, effective 1 July 2024. We also recommended that the licence holders commence publishing certain information about distributed energy resources on a voluntary basis from 1 July 2021, until such time that the licence is updated to include the new information disclosure conditions.

IPART therefore requests that the licence holders use their best endeavours to provide to IPART the information specified in clause 3.1 from 1 July 2021.

### 3.1 Distributed Energy Resources

(a) In this clause 3.1:

**DER** means distributed energy resources comprising small generating units and generating systems located on the customer's side of the metering installation that export electricity into the licence holder's distribution network. For the purpose of this reporting manual, it excludes electric vehicles and their charging infrastructure.

**Generating system** means a system comprising one or more generating units with a total rating less than 30MW.

**Generating unit** has the same meaning given to that term in the *National Electricity Rules*.

**Generator** has the same meaning given to that term in the *National Electricity Rules*.

**Partial static limit** means the imposition of non-zero limits on the capability of the Generator to export to the grid.

**Small generating unit** means a generating unit:

- (a) with a nameplate rating that is less than 30MW; and
- (b) which is owned, controlled or operated by a person that AEMO has exempted from the requirement to register as a Generator in respect of that generating unit.

**Thermal capacity limit** means the maximum electrical current that, under ambient conditions, can be carried by the distribution feeder, without exceeding the thermal limits of the feeder.

**Total static limit** means the imposition of blanket limits on the capability of the Generator to export to the grid.

- (b) The licence holder is requested to publish the following information on its website for the reporting periods specified and by the dates specified in paragraph (c):
  - (i) the number of DER connected to the licence holder's distribution network;
  - (ii) the volume of electricity exported into the licence holder's distribution network from DER;
  - (iii) the top ten areas by postcode in the licence holder's distribution district that have the highest levels of DER penetration by reference to volume of electricity exported and number of units and/or systems;
  - (iv) the number of complaints from DER customers by reference to postcode relating to constraints impacting the export of electricity from DER;
  - (v) the number of complaints from customers without DER affected by voltage issues or exceedance of thermal capacity limits due to DER;
  - (vi) the number of customers that are subject to static limits on the distribution network due to DER;
  - (vii) the number of DER customers that are actively being curtailed from exporting any electricity via a total static limit; and
  - (viii) the number of DER customers that are actively being curtailed from exporting some electricity via a partial static limit; and
  - (ix) the level of operating and capital expenditure by the licence holder that is primarily for the purpose of addressing network constraints on DER exports (including reasons for expenditure options).
- (c) Each year, the licence holder is requested to publish the information in paragraph (b) on:
  - (i) 31 August, for the quarter ending on 30 June of the preceding financial year;
  - (ii) 30 November, for the quarter ending on 30 September of that financial year;
  - (iii) 28 February, for the quarter ending on 31 December of that financial year; and
  - (iv) 31 May, for the quarter ending on 31 March of that financial year.
- (d) By the same date that it submits a report under paragraph (c), the licence holder is requested to provide written notification to IPART that each report has been published on its website with sufficient detail to enable IPART to verify the written notification.

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