



# Distributed Energy Resource (DER) Register

# DER Fact Sheet

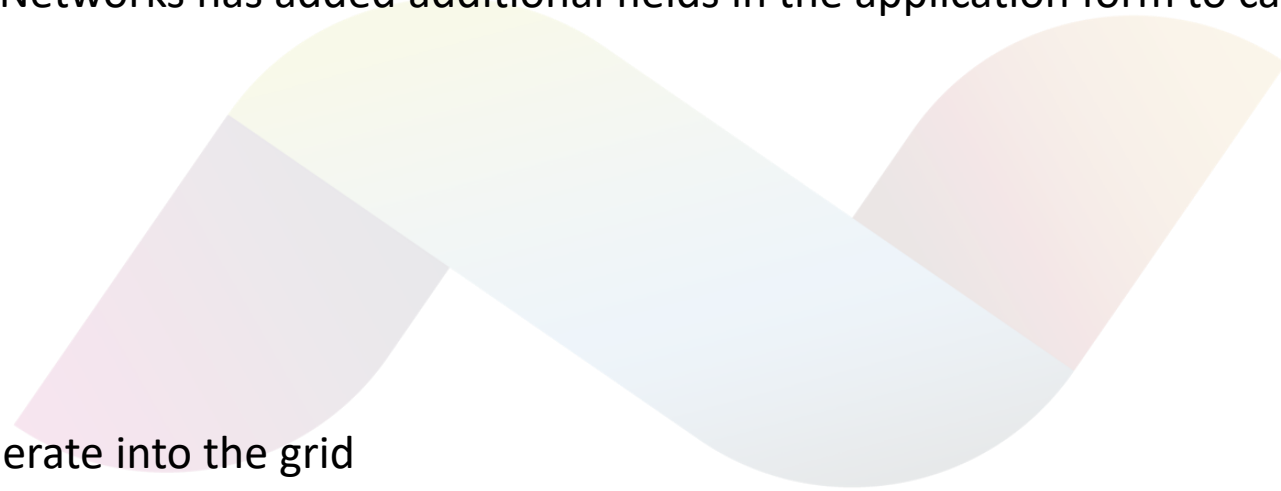
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The Australian Energy Market Operator (AEMO) has introduced a new requirement to provide technical details of generators (from 0kW to 30MW) connecting to TasNetworks Distribution Network. These details are to be recorded in a new national database called the AEMO DER (Distributed Energy Resources) register, from the 1st of December 2019.

To meet this requirement TasNetworks has added additional fields in the application form to capture the DER required data.

## What are DER devices?

- Rooftop solar units
- Wind generating units
- Battery storage
- Solar farms
- Electric vehicles that generate into the grid
- Hydro schemes
- Fossil fuel generation such as gas or diesel
- Geothermal
- Renewable/Biomass/Waste



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## Summary of additional DER information required:

The application form will be structured to capture DER information at 3 levels:

1. Installation (e.g. premise) level;
2. AC Connection (inverter) level; and
3. Device (generator) level

**INSTALLATION:** information will request Central Protection and Control settings, where applicable. The defaults will be populated from the AS4777.2:2015 standard to aid the application process.

**AC CONNECTION:** information required will include:

- Manufacturer, series and model numbers;
- Serial number of the inverters or AC equipment (which can also be provided after commissioning);
- Options to specify the configuration of inverter response modes and configuration settings for the modes:  
e.g. Voltage response modes; Power response modes etc.
- The defaults will be populated for the configurations of the chosen mode from the AS4777.2:2015 standard to aid the application process.

**DEVICE:** Information will involve details such as device type (solar, wind, hydro etc.), number of modules (devices), manufacturer, model numbers, battery information and nominal capacity of the devices to be installed.

The applications for solar, where there is an existing electricity supply will also ask for NMI number to be provided as mandatory information to allow us to provide you details of the existing installations. The Applicant can then either modify, add or decommission the components of the existing installation.



If you require assistance submitting your DER application or providing DER  
As-built information please contact:

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