Distributed Energy Resource (DER) Register

Completing the Application Form

The slides provide the details for completing the application form (wherever there is a change from the current form).

This includes adding of:

1. The DER (Distributed Energy Resource) details;

2. The AC Connection Configurations (Inverters);

3. The Device Configurations (E.g: Solar panels)

The instructions are also provided for Decommissioning or Editing of any existing Inverters or Devices as part of an Upgrade application.
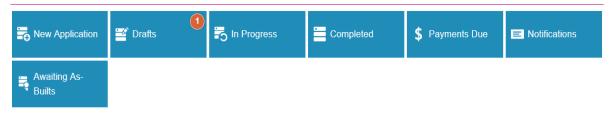
1. Upon logging into our connection portal you can select 'New Applications' to lodge a new application for embedded generation e.g.: Solar, Wind, Hydro etc.
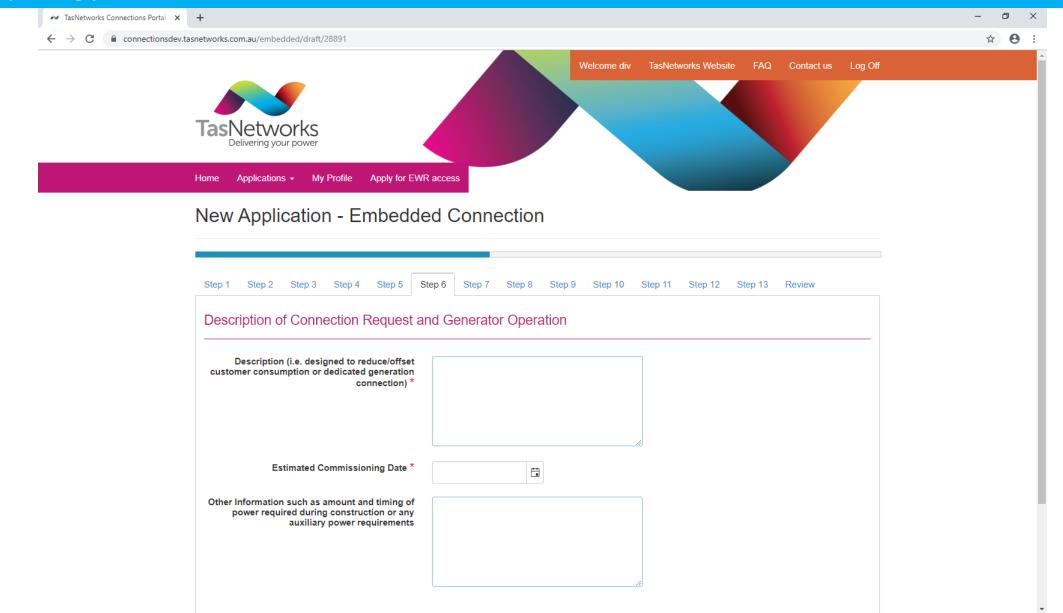
2. Upon reaching the Step 5 of the application form you must fill in the National Metering Identifier (NMI) if you are applying for an upgrade of existing installation. E.g.: Adding an inverter or adding solar panels etc.

3. On step 6 of the application, please provide the estimated commissioning date for the installation. This date is important as we will be requesting you for 'as-built' information based on this date.

4. On Step 8 of the application you can complete the details of the Distributed Energy resource (DER) that will be installed.

5. If you confirm that Central Protection and Control will be enabled for the installation then please fill the protection and control information. The data has been pre-populated from the standards but you can change this if needed.

Installation Details

Number of phases available *	1
Number of phases with DER installed *	1
Central protection and control *	● Yes ○ No
Islandable Installation *	○ Yes ● No

Protection and Control

Under-frequency protection (Hz) *	47.00
Under-frequency protection delay (Hz) *	2.000
Over-frequency protection (Hz) *	52.00
Undervoltage protection (V<) *	180.000
Undervoltage protection delay (V<) *	2.000
Overvoltage protection 1 (V>) *	260.000
Overvoltage protection 1 delay (V>) *	2.000

6. You can click on the + Add AC Connection Configuration button to add AC Equipment details (Inverter). You do not need to add each inverter as a separate AC Connection if they are from the same manufacturer, model number, series and have same rated capacity. You just need to mention the number of inverters in the field "Number of AC Connections with this configuration."

7. You must select the Inverter Manufacturer, Series and Model numbers from a list of CEC approved manufacturers. To make the process easy the drop down list of approved manufacturers provided by CEC has been populated.

Inverter Manufacturer *

Select manufacturer... ▼

⚠ Inverter Manufacturer is required.

Select manufacturer...
(ABB) Power-One Italy S.p.A
ABB
ABB Oy Power Conversion
Ablerex Electronics Co Ltd
Afore New Energy Technology Shanghai Co Ltd
AGL

Inverter Series *

Inverter Model Number *

Inverter Serial Numbers

Inverter device capacity (in KW) *

What standard(s) apply to the inverter? (Examples include AS4777.2:2015, IEC 62109-1 and -IEC 62019-2.) *

AS4777.2: 2015

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Vnom-max (sustained operation overvoltage limit) eg- 255V *

255.000

Fstop (over-frequency) eg- 52.00 Hz *

52.00

None

Fstop-CH (under-frequency) eg- 48.00 Hz *

Voltage Response Modes

Inverter - DRED interaction *
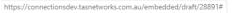
Power Response Modes

Which main set of response modes are to be enabled? *

▾

✓ Update   ⊘ Cancel

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9. Click on the arrow next to you AC Connection (inverter) record to add devices (solar panels)

10. You can click on the + Add Device Configuration button to add Device (solar panel, battery etc.) details.

11. Add the number of panels, manufacturer (from the CEC approved list) , model number and the rated capacity of the panel within the device details and update to save. You do not need to add each solar module as a separate device if they are from the same manufacturer, model number and have same rated capacity. You just need to mention the number of modules in the field "Number of devices with this configuration"

12. If you are making an application for an Upgrade, since you have provided the NMI we will pre-populate the application with all the AC Connections and the devices on the site that we have information about.
- You can choose to Edit the existing inverter details or Decommission the inverter using "Edit" and "Delete" buttons next to the AC connection (inverter) record.
- You can choose to Edit the existing Device (solar panel) details or Decommission the panels using "Edit" and "Delete" buttons next to the Device record.

+ Add AC Connection Configuration

Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status		
⊿ 50001	✎	1	Inverter	ABB	PVS800-57-0500kW-A	Draft	✎ Edit	Delete

+ Add Device Configuration

Id	DER Id	No. of Devices ↓	Type	Manufacturer	Model	Status		
50000	✎	1	Solar PV	All PV Australia Pty Ltd	AP6M60-250	Draft	✎ Edit	Delete

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13. You can add as many AC Connection Configurations and Devices as you need for your installation.
14. You can complete the other steps within the application form as per normal and "Submit" the application.
15. Your application will be processed and TasNetworks will continue to provide you with the confirmation of approval as per normal.

Providing As-builts Information

The slides provide the details for completing the as-builts information (e.g.: inverter serial numbers) once the installation is commissioned.

1. You can now see an additional tile on your portal page called "Awaiting As-builts. This has been added as we need further information from you once the installation is commissioned. The number of applications on the tile will increment based on the number applications we have approved and are now awaiting further information.

2. You can select an application that is awaiting as-builts and click on DER button to provide the as-builts DER (distributed energy resource) information.

3. Please confirm the actual commissioning date of the installation. This date is important to us as our compliance obligations to AEMO start from this date.

Installation Details

Status	Awaiting As-Builts
National Meter Identifier (NMI)	[ ]
Approved capacity (kVA)	567.000
Number of phases available	1
Number of phases with DER installed	1
Central protection and control *	No
Islandable Installation *	No
Export limitation (kVA)	89.000
Actual Commissioning Date *	17/01/2020 📅 Apply

Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status	

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3. Please open the AC Connection (Inverter) record/s and enter the serial numbers for all the inverters with that configuration. i.e.: if you have 3 inverters with same configuration then you need to provide 3 serial numbers.

4. Once you have provided the actual commissioning date and the serial numbers for all the inverters, please click the Save and Verify button to confirm the as-builts details. The application will no longer be listed under the Awaiting As-builts tile. If you need to change any other information as part of the as-builts, please contact TasNetworks. **Your application is now completed.**

DER Connection Agreement: CS19-9609

DER Installation

Installation Details

Status	Awaiting As-Builts
National Meter Identifier (NMI)	
Approved capacity (kVA)	567.000
Number of phases available	1
Number of phases with DER installed	1
Central protection and control *	No
Islandable Installation *	No
Export limitation (kVA)	89.000
Actual Commissioning Date *	17/01/2020 [Apply]

	Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status	
▸	50001		1	Inverter	Blueline Solar	MI4000	Submitted	✏ Open

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[Save & Exit] [Cancel]   [Save & Verify]

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

Customer Connections Team 03 6324 7583

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