



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.

- https://connectionstst.tasnetworks.com.au/

Security Colony Documents - ... TasNetworks Connections P... ConnectionsPortal Team Sprin... New tab

Welcome Installer TasNetworks Website FAQ Contact us Log Off

TasNetworks
Delivering your power

Home Applications My Profile Apply for EWR access

Connections Portal

i 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. ... read more


Applications

New Application	Drafts 1	In Progress	Completed	Payments Due	Notifications
Awaiting As-Builts					

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.

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891



HomeApplicationsMy ProfileApply for EWR access

New Application - Embedded Connection

Step 1Step 2Step 3Step 4Step 5Step 6Step 7Step 8Step 9Step 10Step 11Step 12Step 13Review

Connection Details

Connection Type *

The Connection Type field is required.

National Meter Identifier (NMI)

Please provide the National Metering Identifier (It can be found on the customer's electricity bills). This will allow us to provide you information on existing DER on the site.

Please refer to the Requirements for Connecting Micro Embedded Generating Systems to the TasNetworks Distribution Network, which is available on the TasNetworks website at <https://www.tasnetworks.com.au/embedded-generation>

Previous

Cancel


Save & Exit

Save & Continue

Customer charter / Disclaimer / Security & privacy / Supply reliability guarantee / Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

v2.5.23



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.

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891

Welcome div TasNetworks Website FAQ Contact us Log Off

TasNetworks
Delivering your power

Home Applications ▾ My Profile Apply for EWR access

New Application - Embedded Connection

Step 1 Step 2 Step 3 Step 4 Step 5 **Step 6** Step 7 Step 8 Step 9 Step 10 Step 11 Step 12 Step 13 Review

Description of Connection Request and Generator Operation

Description (i.e. designed to reduce/offset customer consumption or dedicated generation connection) *

Estimated Commissioning Date *


Other Information such as amount and timing of power required during construction or any auxiliary power requirements

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

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891

Welcome divTasNetworks WebsiteFAQContact usLog Off

TasNetworks
Delivering your power

HomeApplicationsMy ProfileApply for EWR access

New Application - Embedded Connection

Step 1Step 2Step 3Step 4Step 5Step 6Step 7Step 8Step 9Step 10Step 11Step 12Step 13Review

Installation Details

Number of phases available *1

Number of phases with DER installed *1

Central protection and control *☐ Yes ☒ No

Islandable Installation *☐ Yes ☒ No

+ Add AC Connection Configuration

	Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status	
			0					

10 items per pageNo items to display

PreviousSave & ExitCancelSave & Continue

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.”

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891

TasNetworks
Delivering your power

[Home](#) [Applications](#) [My Profile](#) [Apply for EWR access](#)

New Application - Embedded Connection

Step 1Step 2Step 3Step 4Step 5Step 6Step 7Step 8Step 9Step 10Step 11Step 12Step 13Review

Installation Details

Number of phases available *

1

Number of phases with DER installed *

1

Central protection and control *

Yes

No

Islandable Installation *

Yes

No

+ Add AC Connection Configuration

Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status
0		10				

10 items per page

No items to display

Previous

Save & Exit

Cancel

Save & Continue

Customer charter / Disclaimer / Security & privacy / Supply reliability guarantee / Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

v2.5.23

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 *

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.) *

Select manufacturer... ▼

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 Manufacturer is required.

8. You must select the response mode that will be enabled on the inverter. Depending upon the response mode configuration you will see different set of fields requesting you further configuration details. For all of these configuration details, data has been pre-populated from the Australian standard wherever available.

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

Fstop (over-frequency) eg- 52.00 Hz *

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

Inverter - DRED interaction *

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

None

Voltage Response Modes

Power Response Modes

✓ Update

⊘ Cancel

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

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891

HomeApplicationsMy ProfileApply for EWR access

New Application - Embedded Connection

Step 1Step 2Step 3Step 4Step 5Step 6Step 7Step 8Step 9Step 10Step 11Step 12Step 13Review

Installation Details

Number of phases available *1

Number of phases with DER installed *1

Central protection and control *☐ Yes ☒ No

Islandable Installation *☐ Yes ☒ No

+ Add AC Connection Configuration

	Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status	
	50001		1	Inverter	ABB	PVS800-57-0500kW-A	Draft	<div>EditDelete</div>

1

10 items per page

1 - 1 of 1 items

Previous

Save & ExitCancel

Save & Continue

Customer charter / Disclaimer / Security & privacy / Supply reliability guarantee / Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

v2.5.23

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

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891

Step 1Step 2Step 3Step 4Step 5Step 6Step 7Step 8Step 9Step 10Step 11Step 12Step 13Review

Installation Details

Number of phases available *

1

Number of phases with DER installed *

1

Central protection and control *

Yes

No

Islandable Installation *

Yes

No

+ Add AC Connection Configuration

Id	DER Id	No. of AC Connections	Type	Manufacturer	Model	Status		
<input checked="" type="checkbox"/>	50001		1	Inverter	ABB	PVS800-57-0500kW-A	Draft	<div>EditDelete</div>

+ Add Device Configuration

Id	DER Id	No. of Devices ↓	Type	Manufacturer	Model	Status	
◀◀0▶▶10 items per pageNo items to display							
◀◀1▶▶10 items per page1 - 1 of 1 items							

Previous


Save & ExitCancel

Save & Continue

Customer charter / Disclaimer / Security & privacy / Supply reliability guarantee / Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

v2.5.23

TasNetworks
Powering your power

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”

TasNetworks Connections Portal

connectionsdev.tasnetworks.com.au/embedded/draft/28891

Installation Details

Number of phases available * 1

Add a DER Device Configuration to AC Connection Configuration (Id #50001)

Status Draft

Move to a different AC Connection Configuration 50001 - Inverter - PVS800-57-0500kW-A

Number of devices with this configuration * 1

Device Type * Solar PV

Device sub-type * Microcrystalline

Device Manufacturer * Select manufacturer type...

Device Model Number * Select manufacturer type...

Nominal rated capacity *

✓ Update Cancel

1 10 items per page 1 - 1 of 1 items

Previous Save & Exit Cancel Save & Continue

Customer charter / Disclaimer / Security & privacy / Supply reliability guarantee / Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

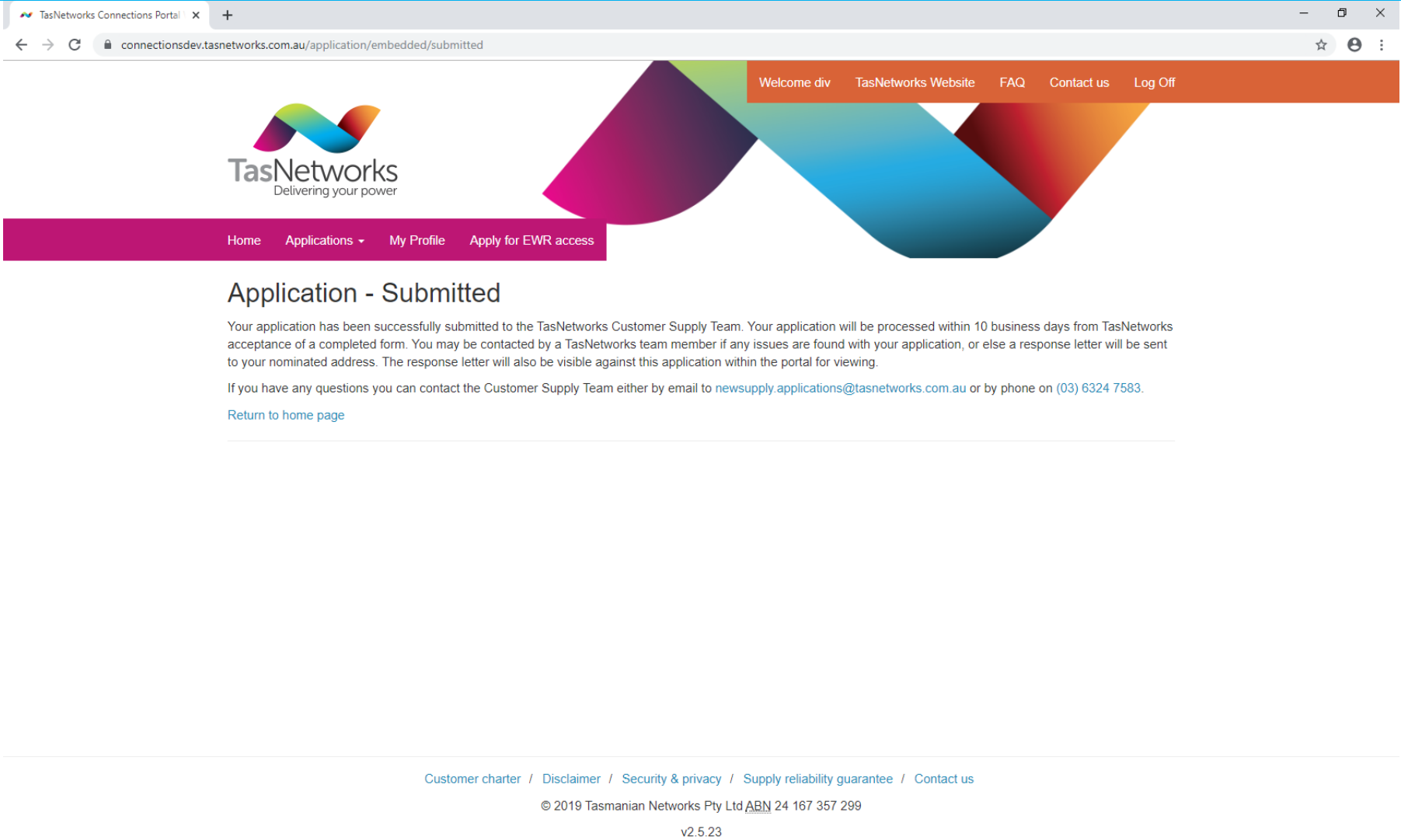
v2.5.23

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	<div>EditDelete</div>

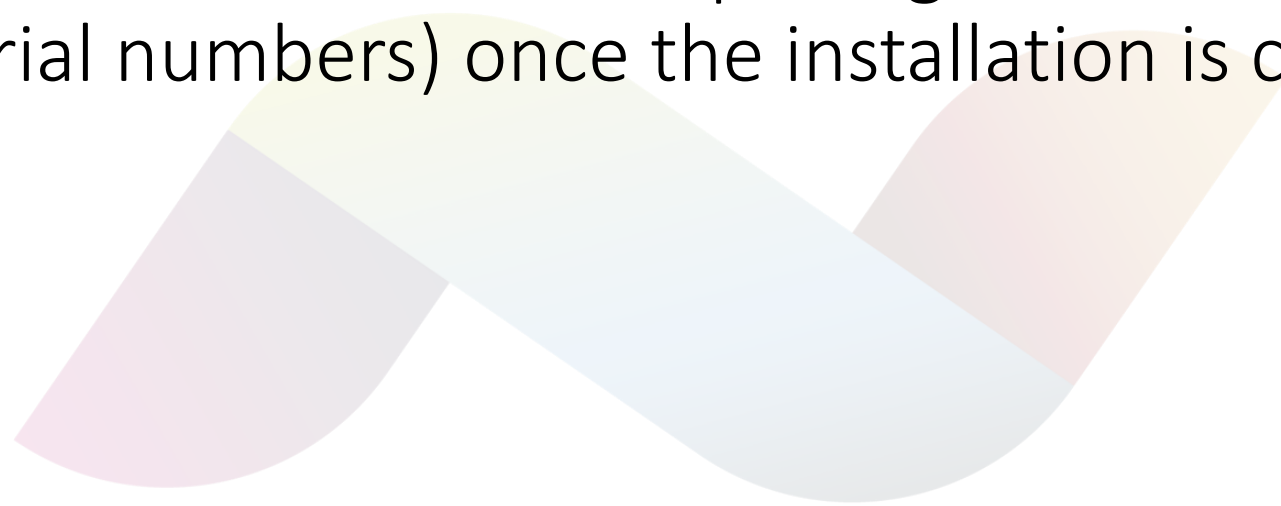
+ Add Device Configuration							
Id	DER Id	No. of Devices ↓	Type	Manufacturer	Model	Status	
50000		1	Solar PV	All PV Australia Pty Ltd	AP6M60-250	Draft	<div>EditDelete</div>
<div><div>◀◀1▶▶</div><div>10 ▼ items per page</div><div>1 - 1 of 1 items</div><div>↻</div></div>							

- 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.

←

↻

https://connectionstst.tasnetworks.com.au/

Search...


🏠

☆

⚙️

😊

Security Colony Documents - ...ConnectionsPortal Team Sprin...TasNetworks Connections P...x



TasNetworks
Delivering your power

Welcome Customer

TasNetworks Website

FAQ

Contact us

Log Off

Home

Applications ▾

My Profile

Apply for EWR access

Connections Portal

🔔 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. ... read more ▾

Applications

📄 New Application

📄 Drafts

3

🔄 In Progress

✅ Completed

💰 Payments Due

📧 Notifications

📄 Awaiting As-Builts

2

Customer charter

Disclaimer

Security & privacy


Supply reliability guarantee

Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

v2.5.6

https://connectionstst.tasnetworks.com.au/der/dermyawaitingasbuilts



TasNetworks
Delivering your power



The following applications have been submitted and are currently 'Awaiting As-Builts'.
Click on an application below to view its details.

[Customer charter](#) / [Disclaimer](#) / [Security & privacy](#) / [Supply reliability guarantee](#) / [Contact us](#)

v2.5.23

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-Built

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	
	58884		1	Single Phase	Bluebird Solar	SM1000	Completed	<div><div></div></div>

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.

https://connectionstst.tasnetworks.com.au/der/installation/28891

Standards - All Documents TasNetworks Connections P...

Home Applications My Profile Apply for EWR access

AC Connection Configuration (Id #50001)

Status	Submitted
Number of AC Connections with this configuration	1
AC equipment type	Inverter
Rate of Change of Frequency (Hz/s)	1.34
Voltage Vector Shift (Deg)	5.9
Inter-trip scheme	Scheme
Neutral voltage displacement (V)	
Inverter Serial Numbers *	<input type="text"/>
Commissioning Date	17/1/2020
Inverter Manufacturer	Blueline Solar
Inverter Series	Solar Edge
Inverter Model Number	MI4000
Inverter device capacity (in KW)	45
What standard(s) apply to the inverter? (Examples include AS4777.2:2015, IEC 62109-1 and -IEC 62019-2.)	AS4777.2: 2015
Vnom-max (sustained operation overvoltage limit) eg- 255V	255
Fstop (over-frequency) eg- 52.00 Hz	52
Fstop-CH (under-frequency) eg- 48.00 Hz	48
Inverter - DRED interaction	Yes
Aggregator / Trading Entity	Entity

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.**

https://connectionststasnetworks.com.au/der/derinstallation/28891

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	<div>Open</div>

1

10 items per page

1 - 1 of 1 items

Save & Exit

Cancel

Save & Verify

Customer charter / Disclaimer / Security & privacy / Supply reliability guarantee / Contact us

© 2019 Tasmanian Networks Pty Ltd ABN 24 167 357 299

v2.5.23



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

Customer Connections Team 03 6324 7583
newsupply.applications@tasnetworks.com.au