Dynamic Customer Standards FAQ

23 December 2021

Part of Energy Queensland

We have developed new dynamic customer standards in to enable dynamic customer connections in Queensland

1. What do I need to know about dynamic connections for Queensland?

Dynamic connections for Distributed Energy Resources (DER) are the future of connections in Australia. In Queensland we have been busy developing dynamic connection offerings to support our early adopter realise the benefits of dynamic connections, whilst providing us with the opportunity to improve and refine our processes and technical systems capability.

A dynamic connection solution for Queensland:

- Allows customers to access new and emerging new energy market opportunities such as, energy trading or virtual power plants.
- Will support greater hosting capacity for customer connected DER on low voltage (LV) Distribution networks.
- Provides a uniform approach to interoperability and alignment with the National direction to use SEP2 with CSIP-AUS[1].
- Paves the way for increased connection of battery storage and electric vehicles.
- Will allow us to offer applications quicker and at lower costs in the near future.

2. What do you mean by DER?

Distributed Energy Resources (DER) include a wide range of technologies, from solar PV, batteries, diesel generators and electric vehicles, to home energy management solutions, hot water systems, air-conditioners and electricity metering devices. At this stage we are introducing dynamic connection solutions for solar PV, battery storage and rotating machines.

3. When do the standards come into effect?

The dynamic connection standards are effective from 18 December 2021.

We are not yet offering connections under these standards. The finalised standards are available so that industry can start to design and prepare compliant solutions and offerings.

[1] SEP2 is IEEE 2030.5 Standard for Smart Energy Profile Application Protocol and CSIP-AUS is the Common Smart Inverter Profile – Australia.

The standards have been designed to align with our more traditional fixed limit Embedded Generating system (EG) connection standards.

Generally, you can install a connection in compliance with the new dynamic customer standards and still be compliant with our existing fixed limit standards. If you are wanting to install greater capacities than allowed in our fixed limit connection standards however, this will need to wait until we are offering negotiated contracts under the new standards.

4. When will you be offering connections under the new standard?

Not yet, but soon.

Based on our initial feedback on consultation we recently undertook on our new dynamic connection solutions, we are wanting to extend consultation on the connection solution until the end of January as a minimum. In this time we will seeking to do further industry engagement on the new standards and proposed connections and provide the opportunity for our industry stakeholders to hear more about what to expect when you apply, install and operate under these new arrangements.

At this stage, we expect to be accepting connection applications for dynamic connections in early 2022.

5. How do I register my interest for an industry webinar on dynamic connections?

If you would like to register your interest to get an invite to our industry webinar to hear more about dynamic connections, how to apply, and install compliant dynamic connections, please click here and register your details.

6. Where can I get more information on dynamic customer standards?

We have been consulting on the introduction of dynamic customer standards for Queensland since December 2020. You can see our latest consultation paper on our talking energy website: https://www.talkingenergy.com.au/dynamicconnections.

We have closed feedback on this consultation paper, but still welcome any feedback you have on our current and proposed options for dynamic connections. Feedback can be sent to standardsfeedback@energyq.com.au.

7. Where do I find these new standards?

Our new dynamic customer standards can be found on our Energex and Ergon Energy websites.

The new standards are:

- STNW3510 Dynamic Standard for Small IES Connections
- STNW3511 Dynamic Standard for LV EG Connections

We will also be releasing a new standard for Isolated Networks early in 2022. The standard STNW3512 Standard for LV EG Connections to Isolated Networks will cover both fixed and dynamic solutions for DER, to address technical constraints seen in these small microgrid networks.

8. Are you introducing dynamic connection using SEP2 for electric vehicles?

We are continuing consultation with the electric vehicle industry with an aim to have dynamic connection options available for electric vehicle customers before the end of 2022.

Any further questions?

Contact us at the below email addresses should you have any questions.

Energex: energexgeneration@energyq.com.au

Ergon Energy: ergongeneration@energyq.com.au