MINUTES – DER REGISTER DELIVERY TEAM 1 MEETING

MEETING:	DER Register – Delivery Team 1 (Data Model) Meeting
DATE:	Tuesday, 7 May 2019
TIME:	2.00 – 4.00pm (AEDT)
LOCATION:	Webex (dial in)

ATTENDEES:

NAME	COMPANY / DEPARTMENT
Demi Chau	AEMO
Gurindar Singh	AEMO
Kausik Samanta	AEMO
Luke Barlow	AEMO
Roy Kaplan	AEMO (Chair)
Tom Butler	AEMO
Kevin Smith	AusGrid
Robert Simpson	AusGrid
Salman Gillani	AusGrid
Daniel Perry	AusNet Services
Justin Betlehem	AusNet Services
Lisa Forden	Ausnet Services
Annie MacDonald	Endeavour Energy
Anthony Kavaliauskas	Endeavour Energy
Shona Kelly	Energex
Dean Comber	Energy Queensland
Peter Kilby	Energy Queensland
Jaz Singh	Formbay
Kevin Combe	Jemena
Thanh Bui	Jemena
John Dalgliesh	Solar Scope
TasNetworks	
Wilmund Foong	?

(note: best efforts were made to compile a complete attendee list, however some dial in attendees may have been omitted)

1. Agenda

1. Terms of Reference
2. Update on Project
3. Summary of stakeholder engagement
4. Summary of stakeholder feedback
    - Data model structure
    - Data fields
    - Definition
    - Other issues
5. Next steps

2. Action Items

ITEM	ITEM	RESPONSIBLE	DUE
1	AEMO to finalise DER Information Guidelines for publication on May 31	AEMO	31 May

3. Notes

3.1 Welcomes and Introduction

- Noted that AEMO has received submissions to the draft guidelines and report. Objective of this meeting is to work through key issues and discuss to ensure AEMO has clear understanding.
- Acknowledged terms of reference.
- No additional agenda items raised.
- Submission available on AEMOs website.

3.2 Status update (slides 3–4)

- AEMO provided a brief background on the DER Register project, noted that participant feedback is being reviewed now for the drfting of the final report and Guideline.

3.3 Stakeholder engagement (slide 6)

- AEMO provided a summary of stakeholder engagement to date.

3.4 Stakeholder feedback – structure (slides 9-11)

- Discussion on general data model structure
  - NSPs support change from 4 to 3 levels in data structure
  - NSP support for use of pre-population and auto-population of fields
  - Query was raised in relation to difficulty in mapping AC Connection to device, and propose merging levels, especially for combined units. AEMO explained that the proposed structure is needed for broader use, eg VPP integration, and that combined units can be captured in a 1:1 record.
  - Examples of non-inverter connections include CoGen
  - NSPs would like Guideline to clarify what fields should be mandatory, and contain provisions in relation to who can edit fields, ie NSP and/or Installer
  - AEMO confirmed that in the case of a NMI with DER is abolished without update of the installation status in the DER Register, this status change will flow through to the Register and reflect that the DER is inactive
  - NSPs agreed on the need for addition of an NSP approved total inverter/ generation capacity limit or export capacity limit to Level 1 for sites that do not have central protection requirements.

3.5 Stakeholder feedback – Data fields (slides 13-14)

- Discussion on following new data fields were proposed for collection
  - Flag to indicate battery as V2G-capable EVs - NSPs support this proposal
  - NSPs support need for connection point approved export limit
  - Depth of discharge, battery capacity field
  - Identification of solar PV and battery energy storage systems are designed with the ability to island themselves from the grid during grid outages – NSPs see this as limited usefulness
  - Suggest aligning DER Register status codes with NMI standing data status codes
  - Suggest that trip values to be expressed as percentage – support for keeping this as a voltage

- Disconnection time for under and over frequency events – some NSPs feel to hard to capture – AEMO to consider
- Rename “Export Limit” as “Nominal generation capacity”, or “Rated generation capacity”, or simply “Nominal capacity” – NSPs want to retain existing terminology
- NSPs would like to retain the “Voltage vector shift” as it is used in practice.

3.7 Stakeholder feedback – other issues (slides 16-17)

- Definition of minimum size of small generating unit for capture
  - General agreement to remove the lower limit allowing a single collection process for all DER, i.e. minimum value is 0 kW
- Existing small generator information
  - AEMO confirmed that there is no expectation that existing DER data sets will comply with the Guideline,and will be working with NSPs to ensure that this obligation can be discharged. AEMO will be establishing a delivery team to facilitate this, and will be working with all NSPs to find a solution.
- DSP Information
  - AEMO confirmed that at this point there is little value in bringing the DER register and DSP information together, due to differences in data fields and timing of submissions. AEMO is planning ot continue to work to bring the two datasets together, and will hpe to conduct a review after Register implementation.
- Embedded networks – the current AEMC rule change of EN consumer provisions is expected to facilitate capture of DER installed in Embedded Networks
- Jemena queried the use case where DER at a site where there are multiple NMIs, with some DER connected to more that one NMI. AEMO conformed that with the proposed model a nominal NMI must be chosen to capture this DER.

4. Next Steps (slides 19)

- No further meeting is schedule at this time.

The meeting closed at 4:00pm.