



DER Register

Stakeholder Engagement Working Group
July 2019, Meeting 1

Agenda

No.	Time	Topic	Key Discussion points	Responsible
1	2.00 – 2.15	Welcome and Introductions	<ul style="list-style-type: none">• Agenda• Working Group objectives	AEMO
2	2.15 – 2.30	Status	<ul style="list-style-type: none">• Project update status / overview	AEMO
3	2.30 – 3:00	Summary of planned engagement	<ul style="list-style-type: none">• High level plan for discussion	AEMO
4	3:00 – 3:30	Insights	<ul style="list-style-type: none">• Attendee views and previous experiences	All
5	3.30 – 3.40	Further Engagement	<ul style="list-style-type: none">• Overview of key stakeholders	AEMO / All
6	3.40 – 3.50	Other business		AEMO / All
7	3.50 – 4.00	Next steps		AEMO
8	Meeting Close			AEMO

Objective

- To support AEMO's engagement and communication activities to successfully implement and operate the DER Register
- Specific objectives:
 - Share expertise and knowledge sharing on stakeholder engagement activities, including discussing issues that need to be overcome and opportunities to support implementation.
 - Share communications material through communications channels to ensure a smooth implementation of the register
 - Facilitate timely feedback, including prioritisation of issues, that can contribute to a shared understanding and approach to resolve key challenges.
 - Allow better information sharing between AEMO and stakeholders.
- Duration: July 2019 – February 2020

Project status

Recent and ongoing project activities

May 31: Major publications released



Information Guidelines published to provide specific direction on what data AEMO requires



Final Report published to summarise consultation, decisions and to provide an overview of the information collection framework AEMO is progressing

June/July: AEMO focus



Technology focus:

- Interface design and prototyping
- Data models
- API development
- Data integration
- Technical specifications
- Prototyping



Implementation planning focus:

- Reset project to ready for implementation
- Confirm key stakeholders
- Define engagement activities
- Define communications and channels

Reset working groups:



IT Implementation



Data Integration



Stakeholder Engagement

DER Register purpose and shared benefits

- Australian consumers lead the world in DER
- Managing very high DER is an industry-wide issue, requiring collaboration
- Reducing costs by enabling efficient system-wide forecasting, planning and operations
- Nationally consistent frameworks for information support development of nationally consistent DER integration practices and standards
- Foundational for the development of market and operational constructs that can release further consumer value from their investments in DER
- The change to information collection is small as the system draws from existing collection processes, but the benefits for consumers will be large in the long-term

Summary of planned engagement

(The following is for discussion and stakeholder input)

Overview

Stage	Month:	July	August	Sept	Oct	Nov	Dec	Jan-Mar
1 WG Meetings		<div style="background-color: #FFD700; padding: 5px; margin-bottom: 5px;">Stakeholder Engagement WG</div> <div style="background-color: #FFD700; padding: 5px; margin-bottom: 5px;">IT Implementation WG</div> <div style="background-color: #FFD700; padding: 5px;">Data Integration WG</div>						
2 Raise Awareness		<div style="background-color: #ADD8E6; padding: 10px; border-radius: 10px;"> Focus: <ul style="list-style-type: none"> - NSP requirements - Application requirements - Peak body / government briefings </div>						
3 Develop knowledge			<div style="background-color: #ADD8E6; padding: 10px; border-radius: 10px;"> Focus: <ul style="list-style-type: none"> - Support NSP material - Public communications - Briefing DER installers </div>					
4 System preparation		<div style="background-color: #4682B4; padding: 10px; border-radius: 10px;"> Focus: <ul style="list-style-type: none"> - Prototyping - Prepare and upload existing data - Develop and release technical user guides </div>						
5 System available					<div style="background-color: #008080; padding: 10px; border-radius: 10px;"> Focus: <ul style="list-style-type: none"> - Pre-production and industry testing and release - Public communications and briefings for peak bodies </div>			
6 Reinforce							<div style="background-color: #004D4D; padding: 10px; border-radius: 10px;"> Focus: <ul style="list-style-type: none"> - Public communications - Monitor use and issues - Identify / action enhancements </div>	

1 – Preparation

Objective: To establish the consultation mechanisms required to implement the DER Register

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Focus on informational activities:

- Establish forward plan for stakeholder meetings
- Identify stakeholders not already engaged
- Refresh project web page and publish forward plan

Working group:	IT implementation	Data integration	Stakeholder engagement
July	22 July (No. 1)	24 July (No. 1)	9 July (No. 1)
August	13 August (No. 2)	20 August (No. 2)	-
September	11 September (No. 3)	25 September (No. 3)	3 September (No. 2)
October	9 October (No. 4)	23 October (No. 4)	8 October (No. 3)
November	6 November (No. 5)	-	5 November (No. 4)
December	1 December - system online		
	5 December (No. 6)		10 December (No. 5)
January	-	-	-
February	11 February (No. 7)	-	18 February (No. 6)

2 - Raising Awareness

Objective: To engage key stakeholders to raise awareness of the DER Register and create the desire in stakeholders to participate and support its implementation

Focus on technical requirements:

- Technical specification: Draft by July 17, Final in Week of 5 August
- Commence engagement with application developers to ensure understanding of needs
- Survey NSPs to ensure AEMO understanding of needs and implementation plans

Focus on informational activities:

- Develop communications material to raise awareness and inform of the need and benefits of the DER Register
- Promote messages to raise awareness to installers via communications channels (e.g. peak bodies, installer representatives and industry media).
- Develop briefing materials for broader audience
- Briefings with peak bodies' working groups and government (etc)

Key messages broadly shaped to raise awareness and understanding of the need for the DER Register

3 – Developing Knowledge

Objective: To provide key stakeholders with the information and knowledge they will need to ensure they can engage with the DER Register and support its implementation

Focus on technical requirements:

- Define and make available the material that will support NSP and application developer interfaces with AEMO's systems, based on survey conducted in Stage 2.

Focus on informational activities including:

- Develop communications material to inform stakeholders of what it is we are asking them to do and how they will be doing it.
- Promote communications to DER installers via communications channels (e.g. peak bodies, installer representatives and industry media).
- Briefings targeted at DER installers (via CEC and SEC)
- Compile feedback from briefings to understand knowledge and ability gaps that will need to be filled to support implementation

Key messages aimed at raising knowledge and ensuring stakeholders understand how they will be able to support the DER Register

4 – System preparation

Objective: To prepare AEMO's systems to successfully interface with NSP and application systems with correct data available from system implementation, and to ensure stakeholders have visibility of how they can engage with these systems following implementation

Focus on technical requirements:

- Consider and prepare historic DER data for the DER Register by working with NSPs
- Prepare technical guides for DER Register users, with an initial draft available in good time
- Upload existing data ahead of implementation

5 – System available

Objective: To prepare DER Register systems for implementation and to ensure that stakeholders have all required knowledge and ability to support operation from implementation and beyond

Focus on technical requirements:

- Working with AEMO teams and NSPs to test the pre-production web interface and API-based solutions
- Following testing and confirmation, releasing the production version of the web-interface and API-based solutions

Focus on informational activities including:

- Develop communications materials to support launch and post-launch use of the DER Register systems and release these broadly including in industry media and through peak bodies
- Draw from user guides to ensure NSPs have correct communications material and information to support the provision of information in their connection processes following implementation
- Brief and remind all stakeholders at available forums through peak bodies

Key messages aimed at preparing for launch and reinforcing operation following, including more specific examples of what is needed and by when

6 – Post-launch engagement and review

Objective: Reinforce the use and operation of the DER Register and understand and resolve gaps in the ability of stakeholders to support the provision of information for the DER Register

Focus on technical requirements:

- Monitor use, performance/compliance, and reporting to identify gaps and issues
- Identify and action enhancements to the DER register

Focus on informational activities:

- Communications material aligned with user guides and NSP information collection processes to ensure all users and account holders are fully informed and the provision of information is reinforced
- Engage stakeholders (including NSPs, application developers and installers) to understand any issues with the use of the systems

Key messages aimed at reinforcing operation with information on how to use the system and why its needed

Insights

Stakeholder views welcome

Successful connection process changes

- What has worked well?
- What has not worked well?

Engagement with DER installers

- Avenues / channels that have worked in the past?
- Key messages that have resonated?

Is there any specific material that NSPs or peak bodies would benefit from having access to?

What planned working groups / forums / events can AEMO access?

Further engagement

Stakeholders

Are there stakeholders or stakeholder groups AEMO has not considered yet, or that should be included in this discussion?

Networks

- Network Service Providers
- Energy Networks Australia

Government and market bodies

- Australian Energy Regulator
- Australian Energy Market Commission
- Australian Energy Council
- Government agencies

DER installers

- Clean Energy Council
- Smart Energy Council
- Master Electricians
- National Electrical and Communications Association
- Application providers

Consumer groups

- Energy Consumers Australia
- Public Interest Advocacy Centre

Background

Rule Change

Distributed Energy Resources (DER) Register (the Register) is to improve power system operation and security through greater visibility of where DER are connected in the NEM

- Rule made on 13 September 2018, placing obligations on AEMO and NSPs for delivery by 1 December 2019

AEMO obligations

- Establish, maintain and update a DER Register
- Develop, maintain and publish DER Register Information Guidelines
- Share disaggregated data with NSPs
- DER Register Report on website
- Consider DER information in load forecasts
- Share information with emergency services

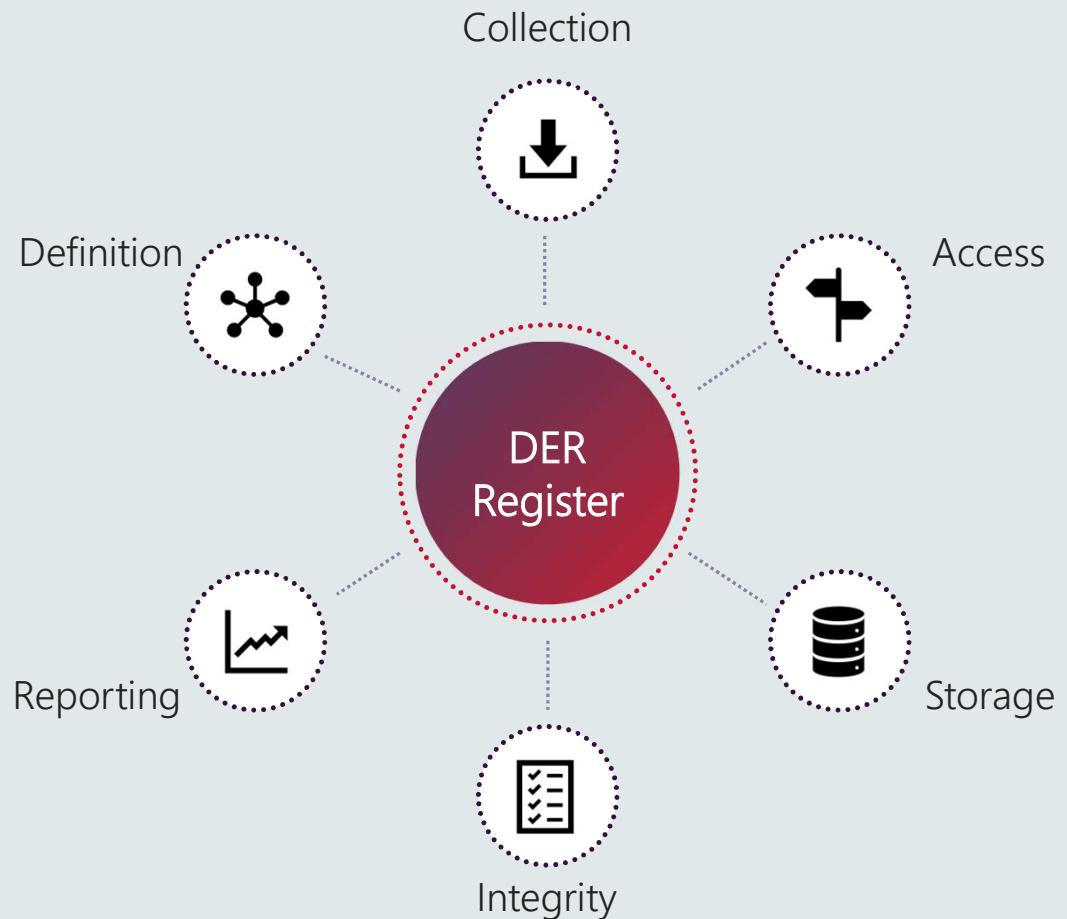
NSP obligations

- Adhere to AEMO's DER Register Information Guidelines
- Collect and submit 'small generator information' as it relates to 'connection points'
- Update connection frameworks to support provision of information from connection applicants
- Provide AEMO with their known information about existing DER in their network

DER Guidelines Consultation

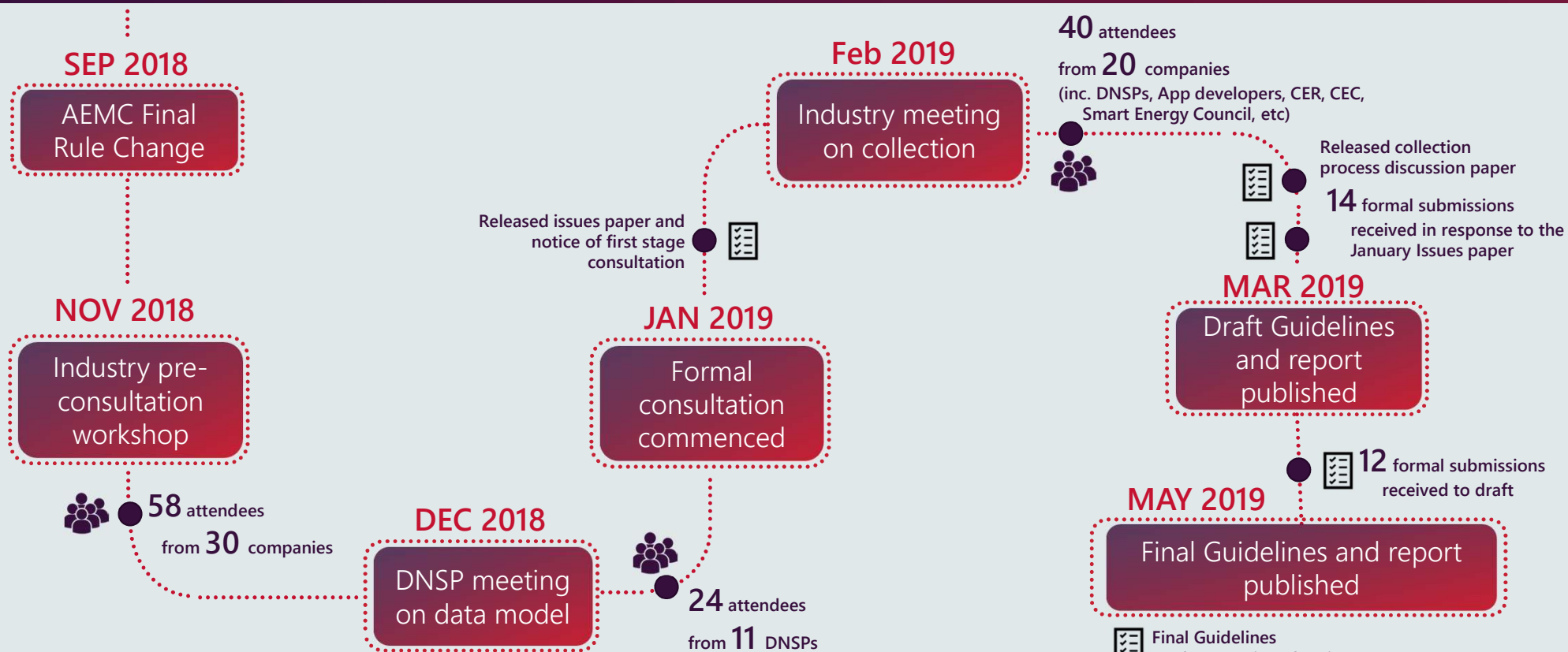
NER 3.7E specifies the minimum requirements for the DER Register.

To achieve efficient outcomes, as intended by the Rules, we also need to look at all existing users and processes, and avoid duplication as much as possible.



NER 3.7E focuses on these **key areas** for inclusion in the DER Register Guidelines

Previous engagement



Keeping in touch

Contact

Next meeting: September 3



Guidelines and Collection Framework consultation page
<https://www.aemo.com.au/Stakeholder-Consultation/Consultations/NEM-Distributed-Energy-Resources-Information-Guidelines-Consultation>



Implementation Project page (via DER Program page)
<https://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/DER-program>



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