

EREC G81 Working Group

MINUTES

Meeting – Wednesday 26th February 2025, 10:30 – 14:30

In person in the ENA Office and MS Teams Meeting

ATTENDEES	INITIAL	COMPANY
Nataliia Myrhorodska	NM	ENA
Jeevan Dhaliwal	JD	ENA
Alan Creighton	AC	NPg
Seth Treasure	ST	NGED
Peter Twomey	PT	ENW
Saad Khan	SK	GTC
Leon Ford	LF	UKPN
Jelena Ponocko	JP	SPEN
David Harris	DH	SSE
Elina Bezusko	EB	SSE
Richard Parke	RP	TCL
Les Vaughan	LV	TCL

APOLOGIES

Varvara Alimisi	VA	SSEN
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MEETING NOTES AND ACTIONS

LEAD

Agenda item 1. Welcome and acceptance of agenda	NM
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Members were welcomed to the meeting, and the agenda was agreed.		
Actions	None	
Agenda item 2. Confirm minutes of the previous meeting on 26th of November		NM/JD
Previous actions were completed and closed.		
Action	None	ALL
Agenda item 3. Agree Scope of the EREC G81		ALL
<p>The aim of the meeting was to agree the Scope of the EREC G81 document.</p> <p>The WG discussed the diagram illustrated the previous context of the EREC G81 which was presented by RP. TCL introducing the concept of establishing “Engineering Cues” as part of this document.</p> <p>The following options for moving forward with the EREC G81 reviewing process were discussed in detail:</p> <ul style="list-style-type: none"> • Removing defined requirements from the document and incorporating them into DNO specific annexes or design policies. • Including sufficient ‘head lines’ topics and subject areas should be included in the revised document. • Structuring the EREC G81 as a compilation of “Engineering Cues” related to the design, specification and installation/commissioning of a new electrical distribution network under the CiC process. <p>The pros and cons for all options were identified.</p> <p>The challenge is that DNOs might not have necessary policies available or these policies may not be up to date. Also, identifying these DNO policies can be difficult.</p> <p>After a detailed discussion, the WG agreed to revert to the original seven parts and revise them again, identifying anomalies and necessary updates.</p> <p>A few recommendations for the required changes have been provided, including:</p> <ul style="list-style-type: none"> - The term “Host DNO” is not relevant, as this document relates to the relationships between the Licence NO and ICP. - References to EREC G94 should be given in the document alongside with reference to EREC G87. - The final document should outline the bespoke high level arrangements to follow. - ST noted that document should be updated to reflect current network requirements but it also should consider the network design for the next 10 years. <p>ST and AC, in conjunction with TCL, have kindly agreed to conduct an initial review of Parts 1-3 and after review the Parts 4-7. The intention is to develop a clear concept of what should or should not be included in the final document.</p> <p>Hence, the following next steps were identified:</p> <ul style="list-style-type: none"> - Review Parts 1,2,3 and present them to the group for comments (withing the next 2-3 month) - Review Parts 4,5,6,7 and present them to the group for comments (withing the following 3 month) 		

Action 3.1	Review Parts 1,2,3 and present them to the group for comments (withing the next 2-3 month) 25.04.2025	ST/AC/TCL
Action 3.2	Provide comments on the revised Parts 1,2,3 of the G81 09.05.2025	ALL
Agenda item 4. Next steps		ALL
See agenda item 3		
Action 6.1		TCL
Agenda item 5. AOB		CM
<p>a. EREC P5 Issue 6 (2017) - the end-of-life for WinDEBUT on 31 January 2026</p> <p>The WG believes that Engineering Recommendation P5 Issue 6 2017 “Design methods for LV underground networks for new housing developments” needs to be revised.</p> <p>The suggestion was to understand whether the core functionality of the new tool (replacing WinDEBUT) remains the same or has changed. If it is basically the same, only the program’s name may need to be updated. To understand the differences between WinDEBUT and the new software (VisNet) it was suggested to contact EAT technology.</p> <p>Members noted that the EREC P5 is based on the P-Q approach and does not necessarily need to reference to a specific design software, as the methodology remains unchanged.</p> <p>The WG agreed to remove the software name from the document and instead refer to it generically as the statistic P-Q approach.</p> <p>b. LV Network Design and Domestic Capacity withing the Engineering for the Future</p> <p>The WG believes that this issues is not related to the EREC G81 document, as G81 focuses on ADMDs and covers new assets, while LV Network Design and Domestic Capacity address the impact of the new loads on existing assets. Additionally, LV Network Design and Domestic Capacity is not withing the scope of EREC P5.</p> <p><i>The WG suggest that the following key points for further discussion may help in developing and achieving the goals for how LV design will address the rapidly approaching challenges from LCT:</i></p> <p>1. <u>LV Network Design</u></p> <p>- <u>General.</u></p> <p>The WG suggested that this query might be addressed in a data driven document.</p> <p>Also, the WG recommend to forward this issue to the LCT working group focusing on LV. This could be part of an innovation project, with conclusions that may be captured in the document.</p> <p>Discussion on LV Network Design should consider factors like climate change, decarbonization and LCT.</p> <p>It is essential to agree on an efficient, future looking way for building networks for new housing developments, with the common approach between DNOs and IDNOs.</p>		

- Forecast.

To achieve the objectives of LV Network Design, a reasonable forecasting approach should be applied consistently to all parties, whether IDNO or DNO, to ensure compliance with their license obligations.

AC suggested taking a probabilistic approach to understand what individual householders will do with networks over the next 10-15 years in terms of energy usage and equipment additions. This would help create probabilistic models to predict how the network will evolve over the next 10 years.

The WG believes that sufficient network capacity is achieved when an IDNO's design requirements align with upstream design requirements, though this is not an easy issue to resolve.

The intention is to understand the purpose of designing the LV network in the future, namely:

- To facilitate the connection of LCTs in 5-10 years and to determine what type of resilience will be required.
- To consider the longevity of flexibility of demand-side response.

The key questions to be addressed are:

- How do we assess the impact on the distribution network?
- How should load be taken into consideration?
- What is the impact of the connection over the next 10 years?
- What types of energy technologies are expected to be connected in the future?
- Should a national ADMD value be published?
- What type of data has been accessed and used by the customer.

2. Domestic Capacity

- Tariff.

We need to understand the impact of smart tariffs and how they change the diversity factor. Smart tariffs may be able to decrease the load during network's peaks to alleviate the need for network reinforcement to accommodate new domestic capacity.

What diversity exists between tariffs and the existing point of consumption.

The WG suggested to consult on this with Paul Abreu as he may have the visibility of it.

- Security.

To consider the National Infrastructure Commission Report: Recommendation on Security and Supply Standard. This report highlights the need for validation security supply standards.

P2 working group might be the right place to evaluate what demand we are expecting in the future.

- LV monitoring should be factored into this process.

Action	None	
Agenda item 7. Next meeting		NM
The next meeting will be held online during the w/c 12 of May. NM will circulate a poll to determine the date for the next meeting.		
Action 7.1	To organize the next meeting.	NM

ACTIONS LIST

3.1	Review Parts 1,2,3 and present them to the group for comments (withing the next 2-3 month) 25.04.2025	ST/AC/TCL
3.2	Provide comments on the revised Parts 1,2,3 of the G81 09.05.2025	ALL
7.1	To organize the next meeting.	NM