

ENA Electricity Networks and Futures Group

DER TECHNICAL FORUM

MINUTES

Tuesday 31 October 2023

MS Teams Meeting

ATTENDEES

Name	Initials	Company
Dick Allen	DA	BHA
Richard Harrison	RH	Clarke Energy
Peter Twomey	PT	Electricity North West
Mike Kay	MK	ENA
Christopher McCann	CMc	ENA
Chris Marsland	CM	EuroSite Power
Ian Wassman	IW	Exergy Power Systems
Alistair Shearer	AS	GTC
Aaron Thompson	AT	Innova
Andy Hood	AH	NGED
Rose Wabuti	RW	Northern Powergrid
Matthew Porter	MP	PSE2 Consulting
Ian Nicoll	IN	Qmulus Ltd
Sarisha Ojageer	SO	Ricardo
Tim Ellingham	TE	RWE
Jason Kirrage	JK	Solar Edge
Milana Plecas	MP	SPEN
Lukasz Bochinski	LB	UKPN

APOLOGIES

Name	Initials	Company
Olivia Carpenter-Lomax	OCL	Ricardo
Tony Robinson	TR	TVRI Instruments

MEETING NOTES AND ACTIONS

1	Welcome, Introductions and Acceptance of Agenda	MK
Accompanying meeting slides should be referred to for detail.		
Actions	None.	

2	Actions from previous meeting	MK
MK shared the link to NGENSO guidance documents. NI G99 update schedule – David Hill has queued some GB edits to be included into the NI version early next year.		
Actions	None for this meeting.	

3	Redesign of DER TF Issues List	MK
New approach to provide clarity on the issues, edits over time, the dates these are made and which consultation this formed part of. Will be maintaining two documents. The new summary will have closed items. The open issues will be in the existing issues log. The existing issues log can be found at: 220920_Technical_Forum_Issues_2.55_1.pdf (dcode.org.uk) <u>If anyone has comments based on the format shown in the slides, please let CMc and/or MK know.</u>		
Actions	Provide any comments 01/12/2023	ALL

4	Update on BESS issues	MK
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<p>An overview of progress made by the BESS working group was given – refer to slide 9.</p> <p>The DNOs intend to arrange a meeting with stakeholders before the end of the year or early in the new year to close this off.</p> <p>CMC noted that as a result of feedback received on the interpretation of EREC P28, an engineering report, EREP 28, is being developed. This will provide guidance on the interpretation of P28.</p>	
Actions	None for this meeting.

5	New issues since the last forum – IONs for Type C	MK
<p>Please refer to slide 11. This issue was raised by AT. DNOs appear to have different approaches in the application of G99 to Type C PPMs and this has possible implications on the process for signing Connection Agreements. Two apparent existing approaches were outlined. There was general support for the approach adopted by DNO A (as per slide 11) and it was noted that the process needs to be consistent between DNOs.</p> <p>MK suggested that draft clarifying text could be included in section 17. He will make some suggestions to DNO colleagues, and if this is accepted, the change can be included in the future minor technical modifications which are planned to be consulted on in early 2024.</p> <p>There was a discussion on whether ION requirements should be mandatory for Type C PPMs. However, it was decided that some stakeholders may not support this and there could be some unintended consequences of such a change. It was noted that it had been previously agreed that ION requirements would not be mandatory for Type C PPMs.</p>		
Actions	<p>MK to draft wording with DNOs for Type C to introduce some flexibility regarding export capabilities.</p> <p>10/11/2023</p>	MK

6	Customer Islanding	MK
<p>An update on the progress of the work group was provided (refer to slides 14 – 27). This work is ongoing.</p> <p>An overview of the proposed structural changes to be made to G99 was shown in slide 15. JK raised the question of whether changes need to be made to G98 as well and how this affects the recording of devices in the Type Test Register. The previous collective agreement was not to modify G98 but rather point generators that want to operate in island mode to G99. It was decided to discuss these matters further offline if necessary.</p> <p>Slides 16 to 19 depict the required changes to the earthing diagrams in section 8. It was proposed to revise these diagrams to match the style of the diagrams in slides 21 and 22, and other industry documents. There was a discussion on the need to differentiate earthing arrangements between unearthed inverters and star-</p>		

connected generators which require an earth before synchronisation. MK suggested that the diagrams be edited and re-circulated for comments.		
Actions	Further discussion on amendments to G98 and recording of devices in the TTR (if JK wishes, at or before the next WG meeting) 08/11/2023	JK/MK
	Any comments on the slides from the Forum would be welcome before close of play next Monday (6/11/2023). 06/11/2023	MK
	Revise earthing diagrams and re-circulate for comment. 31/12/2023	All

7	Update on existing issues	MK
DNOs are still reviewing the SAF. Refer to slide 29 and the appendix for older issues.		
Actions	None for this meeting.	

8	GC0117 - alignment of Large, Medium and Small across GB	MK
Please refer to slide 31 for an update. MK noted that the likely outcome is the threshold for “Large” power stations will be reduced to 10MW. NGENSO is eager for this to be concluded. The implication of this is that any future new generation installation exceeding 10MW will be considered “Large” and will need to comply directly with the Grid Code. AH questioned whether this change would have implications on protection, in particular RoCoF protection. MK confirmed that the limits of RoCoF protection were set in MW terms by NGENSO policy (although not in a formal document) and no with reference to large, medium and small, and therefore there should be no effect on the use of RoCoF protection.		
Actions	None for this meeting.	

9	EU developments	MK
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Slides 33 – 39 contain a summary of developments in relation to the revision of the Requirements for Generators.

It was noted that ACER is proposing that V2G will be split into three classes and that Equipment Certificates will probably become mandatory for EVs and heat pumps. These requirements may provide both challenges and opportunities for GB in the future.

It was also noted that in Europe, all PPMs will be mandated to be grid forming which again may affect the market for generation in GB.

Lastly, MK noted that the proposed LFSM-U response is different from the Grid Code. This will need to be incorporated into EREC G99 once it has been included in the Grid Code. A decision on which approach to follow will need to be taken when this becomes relevant – although as the characteristic is probably simply defined in software, it is probably appropriate for EREC G99 to follow the Grid Code.

MK suggested that there will probably be no more relevant developments until the revised RfG becomes law probably in 2025 – there will then be a 3 year implementation period.

Actions	None for this meeting.	
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10 AOB

LB raised two queries. The first related to battery storage and how to treat behind-the-meter existing supplies when changes are to be made. The second related to the C.6 requirements of G99. LB requested feedback from the DNOs on what their experience has been in fulfilling this requirement. MK suggested that these queries be circulated amongst the DNO colleagues.

MP raised various issues related to G5/5. MK noted that the DER TF focus is on EREC G99 and suggested that MP submit the queries in writing and the ENA will see if there is an opportunity to address them.

PT noted that the guidance on EREC G5/5, ie ETR 122 – see item 4 above, is currently going through the ENA internal consultation process. CMc said that the ENA is planning to go out to consultation on this guidance note in the new year.

Actions	LB to circulate queries amongst DNO colleagues. 10/11/2023	LB
	MP to submit queries in writing to the forum to determine the correct forum in which to raise this. 31/12/2023	MP

11 Next meeting

The meeting agreed to a future meeting in four months (end of February).

Actions	Arrange next meeting. End Feb 24	CMc
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