

## ENA Electricity Networks and Futures Group

### DER TECHNICAL FORUM

#### MINUTES

Wednesday 29 March 2023

MS Teams Meeting

#### ATTENDEES

Name	Initials	Company
Mike Kay	MK	ENA
Sarah Carter	SC	Ricardo
Peter Twomey	PT	Electricity North West
Alistair Shearer	AS	GTC
Ian Nicoll	IN	Qmulus Ltd
Lukasz Bochinski	LB	UKPN
Andy Hood	AH	WPD
Tim Ellingham	TE	RWE
Dick Allen	DA	BHA
Jason Kirrage	JK	Solar Edge
Anju Chhetri	AC	Northern Powergrid
Richard Harrison	RH	Clarke Energy
Rose Wabuti	RW	Northern Powergrid
Milana Plecas	MP	SPEN
Stephen Sommerville	SS	Auroa Power Consulting

#### APOLOGIES

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Name	Initials	Company
Christopher McCann	CMC	ENA

**MEETING NOTES AND ACTIONS**

1	Welcome, Introductions and Acceptance of Agenda	MK
<p>Previous minutes were accepted.            Accompanying meeting slides should be referred to for detail.</p>		
<b>Actions</b>	None.	

2	Update on BESS issues	MK
<p>An overview of progress made by BESS working group was given –refer to slide 5.</p>		
<b>Actions</b>	None for this meeting	

3	New issues since the last forum	MK
<p>Issue about retrospective compliance examples for G99 A.6 to be included in list of future modifications .MK suggested that the autumn of this year is likely for next version of G99, but noted this is subject to other initiatives under the ENA’s auspices.</p>		
<b>Actions</b>	Include #111 in list of future modifications. <b>30/03/23</b>	SC

4	Update on existing issues	MK
<p>Older issues are covered in the Annex slides 31 - 37:            Issue #112 – RC material.            Issues #113 and #114 BESS installations.            Issues #117 and 121 to be followed up with AMPS.</p>		

<p>Issue #122 short term parallel</p> <p>Issue #126. It is intended to make Part 4 of the SAF mandatory at submission of the connection application, noting that whilst this data may have to be initially assumed it can be updated as the project progresses, but that data will be available for the mod app process.</p> <p>MK noted that a recent discussion with DNOs and the TO identified that whilst group submissions to the TO are efficient it was important that applications do not wait unduly for a collective submission by the DNO for more than 1 month, or no more than 3 months as a fall back position.</p> <p>Issue #127. The timing of the P28/2 generator trip studies by the DNOs should align with the processes that have been agreed for the BESS application which shows the studies being undertaken early in the process. If it is found that this is not the case the meeting agreed this should be taken up with the DNO forum representative.</p>		
<b>Actions</b>	Issue #126 – Update SAF to make Part 4 mandatory as part of the initial submission. <b>29/04/23</b>	SC

<b>5</b>	<b>DG Guides</b>	<b>SC</b>
<p>The proposed modifications to the DG Guides are detailed on slides 13 &amp; 14. Please let SC have any thoughts about content / presentation. It was noted that production of the guides is a licence obligation for the DNOs but that stakeholders on the DER technical forum are sufficiently familiar with the process of connecting DG that they do not use the guides.</p>		
<b>Actions</b>	ALL to comment on proposed changes to DG Guides and propose suggestions for improvement <b>03/05/23</b>	ALL

<b>6</b>	<b>Update on G100</b>	<b>MK</b>
<p>Slide 16 contains a status update in respect of G100. The revised version is expected mid April and should provide clarity in respect of the connection rule about the size of the inverter, the size of the fuse and the connection limit and the voltage level to which it is applicable. The meeting agreed that where DNOs do not appear to be applying G100 correctly this should be taken up with the DNO representative to the Forum.</p> <p>There is a G100 briefing session to stakeholders on 13 April and if anyone would like to attend please contact CMC or MK.</p>		
<b>Actions</b>	Contact ENA if a place required for the 13/04 briefing <b>10/04/23</b>	ALL

7 Prototypes		MK
The meeting agreed with Slide 18 where the current thinking and conclusion that no specific accommodation is needed in G98 or G99 for prototypes is summarised.		
<b>Actions</b>	None	

8 GC0117 - alignment of Large, Medium and Small across GB		MK
Please refer to slide 20 for update. The cost benefit analysis to encompass the effect on all parties is ongoing.		
<b>Actions</b>	None	

6 Distributed ReStart: GC0156 Electricity System Restoration Standard		MK
Please see slide 22 for update, in respect of the Grid Code and Distribution Code text which have been updated following the recent consultation.		
<b>Actions</b>	None	

7 EU developments		MK
<p>Slides 24 – 28 contain a summary of developments.</p> <p>It was noted that the RfG is commencing review in Europe and that it is likely that the Type D voltage criteria will be removed.</p> <p>Equipment certification for small (2.4 kW) and possibly larger V2G connection equipment is being considered, as well as alignment of the frequency settings to allow for the mobility of vehicles across Europe.</p> <p>The expert group considering product families will be followed as it is expected this output could be useful for GB.</p>		
<b>Actions</b>	None	

8 AOB		

SS raised the question as to whether the DNOs were consistently using the new G5 Stage 3 harmonic assessments, or if they were still using G5/4. This will be checked by the DNO representatives.

SS noted that the Grid Code Studies for storage were ambiguous (between import and export) and onerous, but had not yet been adopted by the DNOs. MK noted that this issue would be reviewed for embedded storage following approval of the Grid Code modification GC0148. This will prompt the full inclusion of storage requirements into G98 and G99, and at which point this issue can be reviews as part of aligning with the Grid Code requirements.

DA noted that some connections involving transmission upgrade could take a significant amount of time and the queue management and milestone process was not suitable in these cases. It was noted that this is a very active discussion area within the Open Networks Project and elsewhere.

<b>Actions</b>	DNOs – check compliance with G5/5 (especially Stage 3 assessments). <b>29/04/23</b>	DNOs
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<b>9</b>	<b>Next meeting</b>	
The meeting agreed to a future meeting in three months (end June 3).		
<b>Actions</b>	Arrange next meeting. <b>10/04/23</b>	CMC