

## ENA Electricity Networks and Futures Group

### DER TECHNICAL FORUM

#### MINUTES

Thursday 15 December 2022

In person and MS Teams Meeting

#### ATTENDEES

Name	Initials	Company
Christopher McCann	CMC	ENA
Mike Kay	MK	ENA
Sarah Carter	SC	Ricardo
Christopher Artist	CA	Northern Powergrid
Peter Twomey	PT	Electricity North West
Alistair Shearer	AS	GTC
Ian Nicoll	IN	Qmulus Ltd
Lukasz Bochinski	LB	UKPN
Andy Hood	AH	NGED
Tim Ellingham	TE	RWE
Miles Buckley	MB	SPEN
Ian Wassman	IW	AMPS / AceOn Group

Dick Allen	<b>DA</b>	<b>BHA</b>
Craig Agass	<b>CA</b>	<b>ENA</b>
Marcus Marshall	<b>MM</b>	<b>ENA</b>
David Hill	<b>DH</b>	<b>NIE Networks</b>
Jason Kirrage	<b>JK</b>	<b>Solar Edge</b>
Tony Robinson	<b>TR</b>	<b>TVR Instruments</b>

#### **APOLOGIES**

<b>Name</b>	<b>Initials</b>	<b>Company</b>
Richard Harrison	<b>RH</b>	<b>Clarke Energy</b>
Anuj Chhetri	<b>AC</b>	<b>NPG</b>

## MEETING NOTES AND ACTIONS

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

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

<b>3 New issues since the last forum</b>		<b>MK</b>
<p>None.</p>		
<b>Actions</b>	None	

<b>4 Unresolved issues</b>		<b>MK</b>
<p>Older issues are covered in the Annex slides 26-33:          Issue #112 – RC material.          Issues #113 and #114 BESS installations.          Issues #117 and 121 to be discussed at an AMPS meeting in January.          Issue #122 short term parallel.          Issue #125. New text for G99 is given in slide 10 to accommodate one-off micro generators. This modification will be made in the next version of G99.          Issue #126. A discussion was held covering Modification Applications and NGENSO need for data about other generators connecting in the vicinity. MB observed that NGENSO referrals can often add considerable time to the overall timeline of applications. There was a suggestion that NGENSO be invited to this meeting, or the BESS Stakeholder meeting, if appropriate, to aid discussion on streamlining. MK to progress the issue with DNOs.</p>		

Issue #127. The timing of when P28/2 generator trip studies are performed will be progressed with the BESS work.		
<b>Actions</b>	Issue #126 - Progress Mod App delays <b>Next Meeting</b>	MK
	Issue #127 - include in BESS work <b>Next Meeting</b>	MK

<b>4 Update on G100 and Fast track</b>		<b>MK</b>
<p>Please see slide 14. In response to a question from JK it was confirmed that the expectation from the ENA is that G100 type test assessments should take 4-6 weeks, similar to generation assessments.</p> <p>JK raised the issue of reapplying for all his existing inverters which are already G98/G99 compliant and have G100 capabilities built in. Having made no material change to the inverters, and with the G100 functionality being the same in each, it did not seem appropriate to change their status to “under review” in the type test database for a period of time, nor to treat them all individually. MK noted that as far as G100 functionality was concerned until assessed their status was uncertain. CMC to discuss with JK and the assessors.</p>		
<b>Actions</b>	Discuss ways of handling retrospective G100 compliance status in bulk in the type test register <b>28/02/2023</b>	CMC/JK

<b>5 GC0117 - alignment of Large, Medium and Small across GB</b>		<b>MK</b>
Please refer to slide 16 for and update. The cost benefit analysis to encompass the effect on all parties is underway and expected to take 2-3 months.		
<b>Actions</b>	None	

6 Distributed ReStart: GC0156 Electricity System Restoration Standard		MK
<p>It was noted that the WG consultation and the DCode drafting in respect of the electricity system restoration standard are currently live. Details in slide 18, noting the response dates are 29/12 for the Grid Code changes and 13 January 2023 for the DCode modification.</p>		
<b>Actions</b>	<p>Stakeholders interested in providing system restoration services to review/respond</p> <p><b>13/01/2023</b></p>	ALL

7 EU developments		MK
<p>Slides 19 -24 contain a summary of developments. It was noted that as EN50549 part 10 is continuing to be developed any review and inclusion into G99 to remove some of the G99 detailed tests would be premature.</p> <p>AH raised the issue of different droop interpretation in GB and Europe in respect of family grouping. MK thought that whilst all countries in each European synchronous area may be required to standardise on droop in future, the fact that GB (and Ireland) is a different synchronous area LFSM-O (and the other FSM functions) would still be necessary difference in any future pan-European certification scheme.</p>		
<b>Actions</b>	None	

8 AOB		
None.		
<b>Actions</b>	None	

9 Next meeting		
The meeting agreed to a next meeting in Mid-March 2023.		
<b>Actions</b>	<p>Arrange next meeting</p> <p><b>06/01/2023</b></p>	CMC