

NOTES

ENA Electricity Networks and Futures Group DER TECHNICAL FORUM

14 APRIL 2021

Attendees by teleconference:

Name	Initial	Company
Chris McCann	CMC	ENA
Andy Hood	AH	WPD
Anuj Chhettri	AC	Northern Powergrid
Mike Kay	MK	ENA
Miles Buckley	MB	SPEN
Gillian Williamson	GW	ENWL
Hui Heng	HH	SSE
David Hill	DH	NIE Networks
Tim Ellingham	TE	RWE
Sarah Carter	SC	Ricardo
Dick Allen	DA	BHA
Ian Wassman	IW	Comap Controls
Ian Nicoll	IN	Qmulus Ltd
Joe Warren	JW	Power Vault
Mark Ansell	MA	Power Vault
Graham Bone	GB	Infinis
Shinde Vijay	SV	Siemens
Alistair Shearer	AS	BU UK
Luis Mayor	LM	PSE2 Consulting
Jason Kirrage	JK	Solar Edge

Apologies:

Name	Initial	Company
Lukasz Bochinski	LB	UKPN
Chris Marsland	CM	Euro Site Power
Richard Harriosn	RH	Clarke Energy
Stephen Sommerville	SS	SP Energy

ACTIONS LIST

No.	Detail	Leader	Date	Complete
1	Publish previous minutes	CMC	23/04	✓
2	Respond to CMC and MK with interest in respect of modelling special interest session	ALL	17/05	✓
5.1	Review the Power Vault slides; update at the next meeting	DNOs	07/06	✓
6.1	Updated Issue Log with consensus response on issue 111.	MK	23/04	✓
6.2	Table question, if necessary, in respect of existing generator compliance in the case of Private Wire arrangements	IN	01/06	✓
7.1	Issue #101 Review load rejection and simulation information provided by LM and progress	MK	07/06	✓
7.2	Issue # 109 Review answer wrt batteries and ramp rate with question owner with a view to closing the issue	MK	07/06	✓
8	Provide an update in respect of BEIS initiative with digitalisation of asset registration	CMC	07/06	✓
9	Arrange next meeting	CMC	16/04	✓

NOTES

Item	Focus	Leader	Date
1.	Previous minutes and TOR The previous minutes were approved. Approved minutes and slides for the meeting to be published on the DCode Website.	CMC	23/04/21
1.1	Reference should be made to the DER Technical Forum Record of Issues log and the slide pack used during the meeting “210414 ENA DER Tech Forum 210414” and the slide pack from Power Vault.		
2.	Matters arising		
	MK reminded the group that there it had been thought worthwhile to hold a special interest session in respect of modelling and simulation issues. There has been no response to the call from the last meeting. If anyone is interested in this please drop CMC and MK a note, ideally with issues you would like to discuss.	ALL	07/05/21
3.	Storage Modification		

	MK gave an update as per slide 5, expected to go to Ofgem 5/5/21		
4.	Minor technical modifications		
4.1	<p>MK summarised the issues that have been received on the minor technical modification consultation.</p> <p>ENA will bring the request to implement random tripping above 50.4 Hz as an alternative to droop to implement LFSM-O to the attention of NGESO. <i>Post meeting note, this was sent to NGESO on 23/03/21.</i></p> <p>The cyber security text is being revised to align it with the new draft G100 text.</p> <p>The revised documents will be submitted to Ofgem once the Storage modification is completed.</p>		
5.	Power Vault presentation		
	<p>JW and MA shared their experiences in respect of the connection of domestic scale storage and tabled some requests / questions:</p> <ul style="list-style-type: none"> • How can industry and the DNOs work together to efficiently collectively achieve the connection of storage which is beneficial to the network in terms of reducing the import and export of power? • Can consideration be given to aligning the size of a battery with the size of the solar panels when using a G100 device, thus extending the reach of the micro-generation and storage procedure? • Can the 3.68 kW fit and inform limit be increased, eg to 7.36kW (32A)? • Can different names be used for the processes – often just referred to as G99 (as the inclusion of both the product standard and the process within G99 sometimes leads to confusion)? • <p>It was noted that the UKPN connection online portal works well and results in less ambiguity in respect of scheme and data understanding.</p> <p>The meeting noted that there were several reasons including power quality and thermal limits for the 3.68 kW threshold, but the threshold level was actively being considered and experiences from the connection of 7 kW EV chargers was helping.</p> <p>The DNOs agreed to review the Power Vault slides for discussion at the next meeting.</p>	DNOs	07/06/21
6.	New Tech Forum Issues		
6.1	New connection arrangements and generator compliance		
	<p>IN posed a question in respect of the necessary compliance for an existing G59 generator where the Connection Point was being retrospectively modified.</p>		

	<p>The meeting agreed that as this is just a change to the Connection Point and there is no investment in the PGM there is no need for the PGM to comply with G99. MK will update the Issue Log with this conclusion. It was noted that there might need to be consideration of specific technical impacts such as fault level.</p> <p>The meeting went onto discuss several possible private wire arrangements and it was agreed that IN will table a further question if required.</p>	MK	23/04/21
		IN	01/06/21
7.	Review of previous Tech Forum Queries		
7.1	Issue #101. Load rejection simulation. MK to review information provided by LM and progress.	MK	07/06/21
7.2	Issue #109. Battery installation and ramp rates. Should be agreed between the DNO and the connectee. MK will review with question owner.	MK	07/06/21
8.	G100 MK summarised the latest G100 position as per slide 17.		
9.	Type Test register (TTR) No significant update.		
8.	AOB JK questioned how DNOs police the installation of storage at it is suspected devices are being connected without correct procedure being followed. The meeting noted this is a challenge. It was noted that BEIS are looking at capturing information in respect of LCTs and the LCT WG is looking at digitalisation around asset registration. CMC will summarise BEIS's initiative at the next meeting.	CMC	07/06/21
10.	Next meeting: Proposed in June. CMC to arrange.	CMC	16/04/21