

## NOTES

### ENA Electricity Networks and Futures Group DER TECHNICAL FORUM

11 DECEMBER 2019, 1030 START

#### Attendees in Person:

Name	Initial	Company
Mark Dunk	MD	ENA
Andy Hood	AH	WPD
Hui Heng	HH	SSEN
Anuj Chhetri	AC	Northern Powergrid
Mike Kay	MK	ENA
Luis Mayor	LM	PSE2 Consulting
Sue Pilcher	SP	SPEN
Gillian Williamson	GW	Electricity North West
Tim Moore	TMr	UKPN
Chris Marsland	CM	EuroSite Power
Alan Guiver	AG	Agren
Alistair Shearer	AS	BU UK
Tim Ellingham	TE	RWE
Sarah Carter	SC	Ricardo

#### Attendees by teleconference:

Name	Initial	Company
Tony Mason	TMn	Siemens
Dick Allen	DA	BHA
Tony Robinson	AR	
David Hill	DH	NIEN

#### Apologies:

Name	Initial	Company
Richard Harrison	RH	Clarke Energy
Colin Fletcher	CF	Clarke Energy

## ACTIONS LIST

No.	Detail	Leader	Date	Complete
1	Publish previous minutes etc	MD	18/12	
2	Re-issue updated issues log – close New # 4 (ie 91) and 5 (92), #40, #79, #81, #84	MK	18/12	✓
2.1	New issues 1-3 to be tabled at the next meeting	RH	26/02	
2.1	CM to bring parallel issues from the ADE.	CM	26/02	
3.2	Review G99 compliance forms in light of experience later (H2) next year.	All	2020	
3.3	Discuss considerations to allow manufacturers to declare their products compliant with G99 before the modification is made.	MK/YM	26/02	
5	Gather evidence about second hand gas engine compliance to bring to next meeting	AG	26/02	
6	Arrange for exemplar examples of completed forms following the database entry review	MD	April 20	
6.1	Investigate the industry appetite for Equipment Certification.	CM/AG	26/02/20	
9	Arrange next meeting	MD	18/12	✓
Previous outstanding actions				
	Engage with EN50549 part 10 drafting re testing of families	ENA	01/11	
	Discuss zero export connection examples with DNOs to obtain clarity	Solar trade association	01/11	
	Update group on V2G once DNO position clear	ENA	01/11	

## NOTES

Item	Focus	Leader	Date
1.	<b>Previous minutes and TOR</b> The previous minutes were approved. It was noted that the approved minutes and accompanying issue log at that date	MD	18/12/19

	and slides for the meeting would be published on the ENA Website.		
<b>2.</b>	<b>Review of recent Tech Forum Queries</b> Reference should be made to the DER Technical Forum Record of Issues log and the slide pack used during the meeting – “191211 ENA DER Tech Forum 191208.pptx”. MK to update the Issues log with the output of the meeting – as noted below.	MK	12/12/19
<b>2.1</b>	New issues 1- 3 will be revisited at the next meeting when Clarke Energy are able to attend. In respect of issue 2 (ie 89) it was noted that G99 contains minimum technical requirements and what individual DNOs require for their active network management schemes will be agreed bilaterally. CM noted that via the ADE he might be able to bring a similar series of issue highlighting differences in approaches between DNOs that would be worth considering.	RH  CM	26/02/20  26/02/2-
<b>2.2</b>	New issue 4 (91). Meeting content with proposed answer re minimum technical requirement being defined in G99.		
<b>2.3</b>	New issue 5. DNOs clarified that the software models for Types C and D PGMs are required in the correct software for the applicable DNO. Whilst the FON cannot be issued until the model is received PGMs have been connected if there is evidence that the model is being obtained.		
<b>3</b>	<b>Review of previous Tech Forum Queries</b>		
<b>3.1</b>	Issue 40 – 50 MVA Fault level has been agreed by the DNOs as being an appropriate basis for FRT type test studies. Fault levels less than 50 MVA would require case by case consideration.		
<b>3.2</b>	As noted previously Issue 61 and 79 –the G99 compliance forms will be reviewed in light of experience.	All	H2 2020
<b>3.3</b>	Issue 76 and 77 – Proposal for formal mod of G99 on slide 12. MK and TMn to discuss considerations to allow manufacturers to declare their products compliant with G99 before the modification is made.	MK/ TMn	26/02/20
<b>3.4</b>	Issue 81 Meeting agreed to close this issue.		
<b>3.5</b>	Issue 84 Meeting agreed to close this issue		
<b>3.6</b>	Issue 87 – as slide 14 – awaiting responses from the affected manufacturers		
<b>4</b>	<b>Solar PV</b>		
<b>4.1</b>	Further to previous meeting when concerns were raised NG has left the solar trade association. It is not believed that any discussions had been held with individual DNOs. MK has asked the solar trade association if someone else is picking this up. This will be left on the agenda.		
<b>5</b>	<b>Gas Engine issues</b> AG provided an update in respect of the Renewable Energy Association, landfill gas working group that is being set up to		

	obtain G99 compliance for second hand gas engines. It is understood that the cost of site testing may be prohibitive, and some generators can demonstrate compliance. Alan is intending to gather evidence to socialise at the next meeting.	AG	16/02/20
<b>6</b>	<p><b>ENA Database and Compliance</b></p> <p>MD gave an update on the actions being taken by DNOs to identify possible issues of compliance in the information lodged in the database by manufacturers. If equipment compliance demonstration is found to be deficient the manufactures will be notified and an alert will be put on the equipment. Only the DNOs have visibility of alerts.</p> <p>WPD confirmed that where equipment has been connected that is known to be non-compliant they have written to the Generator asking them to make good or disconnect.</p> <p>Meeting agreed it would be good to have some exemplar examples of completed forms following the review.</p> <p>The database modification to only show the latest versions of a device is expected shortly.</p> <p>MK gave an update that one party is known to be actively looking at Equipment Certificates.</p> <p>CM and AG will investigate the industry appetite for Equipment Certification.</p>	MD       CM/AG	April 2020       26/02/20
<b>7</b>	<p><b>G99 updates</b></p> <p>G99 amendment 6 is with Ofgem and is expected to be issued at the end of January 2020.</p>		
<b>8</b>	<p><b>Next meeting:</b></p> <p>Wednesday 26 February 2020</p> <p>4 More London Riverside, London, SE1 2AU</p>		