

NOTES

ENA Electricity Networks and Futures Group DER TECHNICAL FORUM

21 APRIL 2020, 1000 START

Attendees on Teleconference:

Name	Initial	Company
Mark Dunk	MD	ENA (part time)
Christopher McCann	CMC	ENA
Andy Hood	AH	WPD
Hui Heng	HH	SSEN
Anuj Chhettri	AC	Northern Powergrid
Mike Kay	MK	ENA
Luis Mayor	LM	PSE2 Consulting
Sue Pilcher	SP	SPEN
Tim Moore	TMr	UKPN
Alistair Shearer	AS	BU UK
Sarah Carter	SC	Ricardo
Tony Mason	TMn	Siemens
Peter Rees	PR	Siemens
Richard Harrison	RH	Clarke Energy
Neil Rodgers	NR	Clarke Energy
Ian Wassman	IW	IPU
Dick Allen	DA	British Hydro Association
Graham Bone	GB	Infinis
Tim Ellingham	TE	RWE
Steve Sommerville	SS	SPE Electrical Ltd
David Hill	DH	NIE Networks
Tony Robinson	TR	TVR Instruments
Gillian Williamson	GW	ENW

Apologies:

Name	Initial	Company
Ian Nicoll	IN	Qmulus Ltd
Alan Guiver	AG	Agren

ACTIONS LIST

No.	Detail	Leader	Date	Complete
1	Publish previous minutes etc	CMC	2/04	
2.1	Propose a modification to G99 in respect of changes to Annex C6, expected to be circulated as an informal consultation in 3-4 weeks with a 4-6 week response time. Update the slide pack in respect of the type test database	MK MK	19/05 25/04	 ✓
2.2	Confirm approach in respect of detailed protection review and G100.	DNOs	19/05	
2.3	Close Issue 95.	MK	25/04	✓
2.4	Ongoing – MK to update the forum in due course	MK	19/05	
2.5	Close Issue 97.	MK	25/04	✓
3.2	Close Issues 76, 87, 88 and 98.	MK	25/04	✓
5.1	Progress short term paralleling exclusion via issues log.	MK/TE/ CMC	25/04	✓
5.3	Progress fault ride through study requirements via issues log.	MK	25/04	✓
6	Arrange next meetings.	CMC	28/04	
Previous outstanding actions				
1	Engage with EN50549 part 10 drafting re testing of families	ENA	01/11	
2	Arrange for exemplar examples of completed forms following the database entry review.	MD	April 20	
3	Review G99 compliance forms in light of experience later (H2) next year.	All	2020	
4	Investigate the industry appetite for Equipment Certification.	CM/AG	26/02	
5	DNOs to document their requirements for ANM and constraint communication and control protocols.	DNOs	06/03/20	
6	All to take up inconsistencies in G99 appliance or specific G100 issues with appropriate representatives of this forum as necessary	ALL	ongoing	

NOTES

Item	Focus	Leader	Date
1.	Previous minutes and TOR The previous minutes were approved with the small modification to #2.5. Approved minutes and slides for the meeting to be published on the ENA Website.	CMC	25/04/20
2.	Review of recent Tech Forum Queries Reference should be made to the DER Technical Forum Record of Issues log and the slide pack used during the meeting – “200421 ENA DER Tech Forum 200422.pptx”.		
2.1	Issue 77 (slide 5) Annex C.6 measurement of FRT and dynamic system recording. MK to propose a modification to G99, expected to be circulated as an informal consultation in 3-4 weeks with a 4-6 week response time. This will signal the intent of the change to the market. If there are no significant responses to the consultation the modification will be go forward into the next update to G99. It was noted that the slide did not fully reflect the record of issues log in respect of logging a product on the type test database to the revised specification. MK to update the slide pack before circulating with the minutes of the meeting.	MK	19/05/20
2.2	Issue 90 (slide 6) AH expanded on the slide to explain the rationale behind the 5s time delay which is derived from typical protection settings on the metering CB. If the G100 time delay was increased it increases that the possibility that the whole site would be lost. WPD can undertake a detailed protection review to consider increasing the current pick up on the existing protection, thus enabling the time delay to be increased. Other DNOs were asked to to confirm that this is also an approach they are able to take.	DNOs	19/05/20
2.3	Issue 95 (slide 6) LM happy with resolution noting that a worked example would be useful. MK to note and close.	MK	25/04/20
2.4	Issue 96 (slide 7) Following discussions with NGESO, this issues is being pursued bilaterally between the generator/developer and the DNO. MK will brief the Forum of the outcome, and any wider implications in due course	MK	19/05/20
2.5	Issue 97 (slide 7) The originator of the issue is happy with the status. MK to close.	MK	25/04/20
3	Review of previous Tech Forum Queries		
3.1	Slides 8 and 9 capture issues to be revisited late this year.		

3.2	Issues 76, 87, 88, 98 (Slide 10) Meeting agreed to close these issues.	MK	25/04/20
4	<p>ENA Database / Compliance and Equipment Certificates</p> <p>MD gave a short résumé of progress and the work WSP are undertaking for the ENA.</p> <p>621 device applications have been reviewed.</p> <p>46 have documentation errors.</p> <p>169 have suspected non compliances.</p> <p>Manufacturers are being contacted.</p> <p>167 entries are now superseded devices.</p> <p>A workshop was held with the DNOs earlier this month, a wider workshop to disseminate the findings is planned - tbc</p>		
5	AOB		
5.1	TE raised the issue that there is a short term paralleling exclusion in the RfG in respect of the 5 minute limit to allow testing and commissioning which is not included in G99. MK to include in the issues log and discuss off line with TE and the ENA.	MK/TE/ CMC	25/04/20
5.2	TE and TM both raised the issue of small generation connecting at 110 kV having to be Type D. MK confirmed that this is being considered in Europe, but would currently require a derogation.		
5.3	SS has raised issues about the phase to phase fault ride through study requirements. National Grid have acknowledged that the wording is not correct. MK to include in the issue log and continue to investigate with NG.	MK	25/04/20
6	<p>Next meeting:</p> <p>CMC to arrange:</p> <ul style="list-style-type: none"> • Telecon at end of June 2020. • F2F in September 	CMC	28/04/20