

# Customer Islanding Workgroup

### **MINUTES**

### Meeting – Wednesday 08 November 2023

## **MS Teams Meeting**

## ATTENDEES

Name	Initials	Company
Andy Hood	АН	NGED
Mike Kay	МК	ENA
Peter Twomey	РТ	Electricity North West
Alan Creighton	AMC	Northern Powergrid
Alastair Oldfield	AO	SPEN
Jason Kirrage	JK	Solaredge
Martin Cotterall	MC	Tesla
David Hill	DH	NIE

## APOLOGIES

Name	Initials	Company
Steve Mockford	SJM	GTC
John Smart	JS	SSEN
Joseph Nolan	JN	GTC
Chris Marsland	СМ	Bingham Hart

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MEETING NOTES AND ACTIONS		LEAD	
Agenda item	Welcome and acceptance of agenda	МК	
Members were welcomed to the meeting, and the agenda was agreed.			
Actions	None		
Agenda item	Review of previous actions	MK	
All previous actions complete.			
Actions	None		
Agenda item	Discussion of proposed structure	МК	
MK explained that he had developed the drafting along the lines discussed at the last meeting and as summarised on slides 3 and 4 of the pack for this meeting. The meeting agreed that this was appropriate and should be adopted.			
Actions	None		
Agenda item	Fault Ride Through	МК	
This issue had been raised by a DNO in terms of the effect on the system of customers choosing to disconnect from the network during a disturbance and supply themselves from their own generation/storage This could be undesirable, by adding further disturbance to the system with the sudden cessation of their active power exchange.			
MK outlined the issue, and suggested text to deal with this from a legal point of view, but also how the requirement could be relaxed if their net effect on the system was negligible.			
In discussion it was noted that an exception might not be strictly legal – this would need to be considered further.			
Actions	All to consider the issue, and the possible drafting (see slides 6 & 7). Comments and thoughts in advance of the next meeting would be useful.		
	24/11/23	ALL	
Agenda item	Earthing diagrams	AH/MK	
The proposal for revised diagrams was discussed and agreed. It was noted that:			
<ul> <li>We need to check for alignment with the revised CoP diagrams emerging from The IET.</li> <li>Three phase inverters would be assumed to generally be connected in star with the neutral connected and unearthed.</li> </ul>			

• The loop in the earth connexion to the N-E bond relay in the domestic diagrams does not need to be a loop and could be tidied up.



MK expected a	draft of the revised diagrams to be available in about ten days.	
Actions MK to circulated revised diagrams 24/11/23 All to review/check etc by next meeting 11/12/23		MK All
Agenda item	Drafting points	МК
	on the circulated draft (will be recirculated with the minutes). Also, it was an nufacturers, would comment on the appropriate values to include here:	greed that all, bu
the P Insta Distr requi Gene the p chara or the a b c c d MK noted that t	<ul> <li>The the Power Generating Module is resynchronising from islanded Power Generating Module is supplying some or all of the demand in allation resynchronisation will only be allowed such that any effect ibution Network is minimised, and must demonstrate complements of EREC P28. In general auto resynchronisation should metating Module output to closely match the voltage, frequency and we have angle of the DNO's Distribution Network. The default absolute acteristics are network specific and agreed between the DNO and the e Customer;</li> <li>No more then +10% declared voltage,</li> <li>A difference in frequency no more than 50 mHz from 50Hz stable for a phase angle displacement of no more than 3 degrees.</li> <li>MK also asked whether the words "stable frequency" in (c) were meaning</li> </ul>	the <b>Customer</b> 's t on the <b>DNO</b> ' iance with the odify the <b>Powe</b> here applicable e limits for thes <b>Generator</b> and frequency, and age, ±200mHz
Actions	Comment on circulated draft 24/11/23 Comment on default synchronising values.	ALL
	24/11/23	ALL
Agenda item	AOB	MK
None		
Actions	None	

Agreed to be Monday 11 December 0900-1100.		
Actions	Send invitation	
	08/11/23	MK