

Customer Islanding Workgroup

MINUTES

Meeting – Wednesday 28th June 2023, 14:00 – 16:00

MS Teams Meeting

ATTENDEES	INITIAL	COMPANY
Andy Hood (Chair)	AH	NGED
Chris McCann	CMc	ENA
Peter Twomey	PT	ENWL
Alan Creighton	AC	NPg
Alastair Oldfield	AO	SPEN
John Smart	JS	SSE
Richard Wilson	RW	UKPN
David Hill	DH	NIE
Steve Mockford	SM	GTC
Grieg Swanepoel	GS	Tesla

APOLOGIES

MEETING NOTES AND ACTIONS

LEAD

Agenda item 1. Welcome and acceptance of agenda		CMc
Members were welcomed to the meeting, and the agenda was agreed.		
Actions	None	
Agenda item 2. Review of previous actions		CMc
The group reviewed and agreed the minutes of the previous meeting. All completed actions were closed.		
Actions	None	
Agenda item 3. Legal text review		ALL
<p>The group reviewed the legal text and discussed comments since the previous meeting. it was proposed to amend the description of ‘customer islanding of a single premises’ with the term ‘LV Customer Islanding’.</p> <p>The group then discussed the ongoing DCode modification DCRP/MP/22/02 (the DCode equivalent modification to GC0156) As EREC G99 text is being developed, it was proposed to use this to further develop customer islanding once this text has been agreed a copy will be circulated to this group.</p> <p><u>Operating Modes</u></p> <p>The descriptions of each operating mode were discussed. it was agreed to reword the titles to include islanding as an operating mode rather that a capability. The group reviewed the use of the term ‘infrequent’ in the titles and after discussing decided to retain this term.</p> <p>Members reviewed some additional text included since the previous meeting and decided to delete the proposed 7.3.2 section of text.</p> <p>The workgroup discussed the use of switch alternate mode for customers who operate their premises using petrol generators and associated earthing requirements.</p> <p><u>Earthing</u></p> <p>The group discussed earthing requirements across a range of standards, it was agreed that for a customer to island their property a dedicated earth electrode is required. The group discussed the current proposed use of ‘TT’ for an earth electrode, and generally agreed the term ‘Customer earth electrode’ should be used in the proposed text.</p> <p>It was proposed that the group carry out a review of the storage arrangements to fully understand what is needed.</p> <p>The group reviewed a set of draft diagrams produced to assess the need to demonstrate connections to asynchronous generation, inverters and DFIG connections. The group debated diagrams which show three phase it was decided for simplicity to demonstrate connections to a single phase with wording to explain each diagrams formatting.</p>		

It was proposed that guidance is sort from the DER Technical Forum in relation to setting out a diagram for inverter connections. CMc to raise at the next Technical Forum meeting.

Detection / re-synchronisation device components.

The group then reviewed a conceptual diagram for device components required to switch essential and non-essential customer load. It was decided to re-format this draft diagram into a flow chart setting out the device requirements and steps during an islanding cycle. PT to provide a set of switching requirements to aid discussions.

A flow diagram will be developed to set out each step in the process and the device components required.

Members briefly discussed the draft matrix looking to set out the relevant clauses in G99 for each operating mode. PT will assess the relevant clauses and populate the columns for further review.

Action	Circulate copy of the G99 text from DCRP/MP/22/02	
5.1	Ongoing	CMc
Action	Raise inverter connection diagram with DER TF for input	
5.2	Next DER TF Meeting	CMc
Action	Provide set of switching requirements to include in revised flow chart	
5.3	07/07/23	PT
Action	Develop flow chart to set out each stage in the islanding process	
5.4	21/07/23	CMc
Action	Populate sections of draft matrix with relevant clauses in G99	
5.5	21/07/23	PT
Agenda item 4. Next steps / timeline		CMc
Not discussed.		
Actions	None	
Agenda item 5. AOB		CMc
None Raised.		
Actions	None	
Agenda item 6. Next Meeting		CMc
Members agreed to hold the next workgroup meeting 2 nd August.		
Action	None	

ACTIONS LIST

3.2	Provide feedback on the revised working document Ongoing	ALL
4.1	Provide update on ENA DoC project development Next Meeting – ✓	CMc
5.1	Circulate copy of the G99 text from DCRP/MP/22/02 Ongoing – ✓	CMc
5.2	Raise inverter connection diagram with DER TF for input Next DER TF Meeting	CMc
5.3	Provide set of switching requirements to include in revised flow chart 07/07/23	PT
5.4	Develop flow chart to set out each stage in the islanding process 21/07/23 – ✓	CMc
5.5	Populate sections of draft matrix with relevant clauses in G99 21/07/23 – ✓	PT