

Customer Islanding Workgroup

MINUTES

Meeting – Wednesday 17th May 2023, 10:00 – 12:00

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
Steve Mockford	SM	GTC
Jason Kirrage	JK	Solar Edge

APOLOGIES

John Orr	JO	SPEN
Grieg Swanepoel	GS	Tesla

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
<p>The group reviewed and agreed the minutes of the previous meeting. CMc provided a verbal update to members on the digitalisation changes to G98 / G99.</p> <p>During this item the workgroup discussed a known project working on revising the connection processes, and alignment with ENA's Digitalisation of Connections work. CMc to arrange a meeting with ENA's Innovation team and provide an update.</p> <p>All completed actions were closed.</p>		
Action 4.1	Provide update on ENA DoC project development Next Meeting	CMc
Agenda item 3. Legal text review		ALL
<p>A workgroup moved to discuss the working document legal text and the approach to developing diagrams to provide clarity to the user.</p> <p><u>Review of 5 options</u></p> <p>The group discussed the requirements for proposed operating modes inclusive of islanding capability. Operating modes both with, and without islanding capability are required as not all generation types, i.e. PV and asynchronous generators are not capable of providing a supply in Islanded mode.</p> <p>It was proposed that a notification plan be developed to inform industry of any change to the legal text in this area as part of the modification. further discussion on this is required.</p> <p>The workgroup discussed methods of DNO acceptance of customer's installation islanding devices and proposed that all required components should be type tested, compliance elements could sit in either combined or separate units. A high-level diagram was proposed to set out this arrangement and could provide further clarity to the user. This will mean the overall compliance requirements will need to be aligned with those set out in EREC G98, G99 and G100. Further discussions will be required.</p> <p>EREC G99 Type A-D devices should reflect the islanding requirements for each connection type, however for devices installed in customer premises DNOs will have limited capacity to witness test these installs, as a result it was proposed that islanding capability be displayed through the Type Test Register.</p> <p>It was agreed to remove the option of infrequent short-term operation without islanding capability, CMc to amend the working document and circulate for feedback.</p> <p><u>Use of diagrams</u></p>		

The group discussed the use of diagrams to aid clarity. It was proposed that a high-level diagram to demonstrate component compliance should be developed and could match the style of diagrams used in section 4.

For diagrams which demonstrate earthing requirements these should match the style on those in section 8 of EREC G99 and provide clear guidance when a disconnection from the supplier's earth terminal is required for the installation to operate safely.

It was proposed to include diagrams which demonstrate the requirements for inverters to operate in both full and partial back up operation from the perspective of the connection point to the DNO's Distribution Network.

Inclusion of matrix references

The group discussed the matrix being developed, as protection requirements differ dependant on the operating mode it was proposed to include a column for protection sections. CMc will amend the table and circulate for feedback.

It was proposed that if the matrix is approved for inclusion than an explanatory paragraph will need to be drafted to provide clarity.

Action	Revise working document – remove ST Operating mode from draft text	
4.2	16/06/23	CMc
Action	Develop set of draft diagrams for workgroup assessment	
4.3	16/06/23	CMc
Action	Amend Matrix to include protection sections from EREC G99	
4.4	16/06/23	CMc
Agenda item 4. Discussion on EREC G98		CMc
<p>The workgroup discussed the inclusion of customer islanding requirements into EREC G98. This discussion was prompted by an enquiry received by ENA requesting clarity on the use of G98 scale inverters for islanding purposes. Currently industry is directed towards the requirements set out in EREC G99 for Islanding compliance regardless of the size of inverter. The members discussed the option of introducing requirements into G98, though it was generally agreed that this is not required, as including islanding requirements into the document would not add a material benefit.</p>		
Actions	None	
Agenda item 5. Next steps / timeline		CMc
<p>A set of diagrams will be developed to demonstrate component compliance and amendments to the existing diagrams in section 8 of EREC G99. The workgroup will review and develop text to suit.</p>		
Actions	None	
Agenda item 6. AOB		CMc
None Raised.		

Actions	None	
Agenda item 7. Next Meeting		CMc
CMc to poll members for a follow up meeting - late June.		
Action	Poll members for June workgroup meeting	
4.5	24/05/23	CMc

ACTIONS LIST

3.2	Provide feedback on the revised working document Ongoing	ALL
4.1	Provide update on ENA DoC project development Ongoing	CMc
4.2	Revise working document – remove ST Operating mode from draft text 16/06/23 – ✓	CMc
4.3	Develop set of draft diagrams for workgroup assessment 16/06/23 – ✓	CMc
4.4	Amend Matrix to include protection sections from EREC G99 16/06/23 – ✓	CMc
4.5	Poll members for June workgroup meeting 24/05/23 – ✓	CMc