

Customer Islanding Workgroup

MINUTES

Meeting – Tuesday 20th March 2023, 10:00 – 12:00 MS Teams Meeting

ATTENDEES	INITIAL	COMPANY
Chris McCann	СМс	ENA
Mark Dunk (Part)	MD	ENA
Peter Twomey	РТ	ENWL
Andy Hood	AH	NGED
Alan Creighton	AC	NPg
John Smart	JS	SSE
David Hill	DH	NIE
Jason Kirrage	JK	Solar Edge

APOLOGIES

Steve Mockford

SM

GTC

Registered office Energy Networks Association Limited, 4 More London Riverside, London SE1 2AU t. +44 (0)20 7706 5100 e. info@energynetworks.org energynetworks.org

The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing.After discussions the view of the workgroup is that the requirements for installations to switch from paral to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, t working document for further revisions will focus on G99 legal text.ActionFactor modification timeline into DCode Workplan 31/03/23CMc	Members were w		CMC
Actions None Agenda item 2. Review of previous actions CMc Comments from the members since the last meeting were received on the direction set out in the minute document. These will be addressed and a revised version and circulated to members for agreement offliberof the next planned meeting of the workgroup. Action Circulate revised version of the minutes - 230215 CMc 2.1 24/03/23 CMc Agenda item 3. Run through modification options ALL A review of the activities being assessed across both DCode and Grid Code. It was proposed that the timeline for the modifications with an impact on this work be considered when updating the DCode wo plan timeline for this work. Raise network islanding Raise network islanding It was decided to wait and assess the outcomes of GC0156, before considering any implications on Network Islanding, it was decided to wait and assess the outcomes of GC0156, before considering any implications on Network Islanding, it was decided to so that and ong term parallel connections in EREC G99. The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing.			
Agenda item 2. Review of previous actions CMc Comments from the members since the last meeting were received on the direction set out in the minute document. These will be addressed and a revised version and circulated to members for agreement offlibelefore the next planned meeting of the workgroup. Action Circulate revised version of the minutes - 230215 CMc 2.1 24/03/23 CMc Agenda item 3. Run through modification options ALL A review of the activities being assessed across both DCode and Grid Code. It was proposed that the timeline for other modifications with an impact on this work be considered when updating the DCode woo plan timeline for this work. All Raise network islanding Initial workgroup discussions related to the current Grid Code modification GC0156 and the implications network islanding. Relevance of Clauses – EREC G99 The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. It was agree that islanding of single premises Customer connections will be set out in the operating modes section (7 the legal text. The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing. Aftering Factor modification timeline into DCode Workplan Atti	Actions	velcomed to the meeting, and the agenda was agreed.	
Comments from the members since the last meeting were received on the direction set out in the minute document. These will be addressed and a revised version and circulated to members for agreement offlibefore the next planned meeting of the workgroup. Action Circulate revised version of the minutes - 230215 2.1 24/03/23 CMc Agenda item 3. Run through modification options ALL A review of the activities being assessed across both DCode and Grid Code. It was proposed that the timeline for other modifications with an impact on this work be considered when updating the DCode wo plan timeline for this work. Raise network islanding Initial workgroup discussions related to the current Grid Code modification GC0156, before considering any implications on Network Islanding. Relevance of clauses – EREC G99 The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. It was agree that islanding of single premises Customer connections will be set out in the operating modes section (7 the legal text. The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing. After discussions the view of the workgroup is that the requirements for installations to switch from parall is landed mode should be set out in EREC G98. For this reason, the working document for further revisions will focus on G99 legal text		None	
document. These will be addressed and a revised version and circulated to members for agreement offlibefore the next planned meeting of the workgroup. Circulate revised version of the minutes - 230215 2.1 24/03/23 CMc Agenda item 3. Run through modification options ALL A review of the activities being assessed across both DCode and Grid Code. It was proposed that the timeline for other modifications with an impact on this work be considered when updating the DCode worplan timeline for this work. Raise network islanding Initial workgroup discussions related to the current Grid Code modification GC0156 and the implications network islanding. Relevance of clauses - EREC G99 The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. It was agree that islanding of single premises Customer connections will be set out in the operating modes section (7 the legal text. The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing. After discussions the view of the workgroup is that the requirements for installations to switch from parallat to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, tworking document for further revisions will focus on G99 legal text.	Agenda item 2.	Review of previous actions	CMc
2.1 24/03/23 CMc Agenda item 3. Run through modification options ALL A review of the activities being assessed across both DCode and Grid Code. It was proposed that the timeline for other modifications with an impact on this work be considered when updating the DCode wo plan timeline for this work. All the timeline for this work. Raise network islanding Initial workgroup discussions related to the current Grid Code modification GC0156 and the implications network islanding, it was decided to wait and assess the outcomes of GC0156, before considering any implications on Network Islanding. Relevance of clauses – EREC G99 The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. It was agreed that islanding of single premises Customer connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing. After discussions the view of the workgroup is that the requirements for installations to switch from parall to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, tworking document for further revisions will focus on G99 legal text. Action Factor modification timeline into DCode Workplan CMc	document. These	e will be addressed and a revised version and circulated to members for ag	
A review of the activities being assessed across both DCode and Grid Code. It was proposed that the timeline for other modifications with an impact on this work be considered when updating the DCode wo plan timeline for this work. <u>Raise network islanding</u> Initial workgroup discussions related to the current Grid Code modification GC0156 and the implications network islanding, it was decided to wait and assess the outcomes of GC0156, before considering any implications on Network Islanding. <u>Relevance of clauses – EREC G99</u> The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. It was agree that islanding of single premises Customer connections will be set out in the operating modes section (7 the legal text. The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing. After discussions the view of the workgroup is that the requirements for installations to switch from paral to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, tworking document for further revisions will focus on G99 legal text. Action 2.2			СМс
timeline for other modifications with an impact on this work be considered when updating the DCode wo plan timeline for this work. <u>Raise network islanding</u> Initial workgroup discussions related to the current Grid Code modification GC0156 and the implications network islanding, it was decided to wait and assess the outcomes of GC0156, before considering any implications on Network Islanding. <u>Relevance of clauses – EREC G99</u> The workgroup discussed a number of clauses within G99 and agreed there is currently some confusion around the operating the modes for short and long term parallel connections in EREC G99. It was agreed that islanding of single premises Customer connections will be set out in the operating modes section (7 the legal text. The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing. After discussions the view of the workgroup is that the requirements for installations to switch from paral to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, the working document for further revisions will focus on G99 legal text. Action 2.2 Factor modification timeline into DCode Workplan 2.2 CMc	Agenda item 3.	Run through modification options	ALL
the legal text.The earthing arrangements for an Islanded connection was discussed. The workgroup reviewed a 'Full House' backup earthing arrangement diagram provided and it was agreed that clarity could be provided displaying diagrams for Full and Partial house backup earthing.After discussions the view of the workgroup is that the requirements for installations to switch from paral to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, t working document for further revisions will focus on G99 legal text.ActionFactor modification timeline into DCode Workplan 31/03/23CMc	timeline for other plan timeline for <u>Raise network is</u> Initial workgroup network islanding implications on N <u>Relevance of cla</u> The workgroup d around the opera	r modifications with an impact on this work be considered when updating the this work. <u>clanding</u> discussions related to the current Grid Code modification GC0156 and the g, it was decided to wait and assess the outcomes of GC0156, before cons Network Islanding. <u>Muses – EREC G99</u> discussed a number of clauses within G99 and agreed there is currently so ating the modes for short and long term parallel connections in EREC G99.	ne DCode work e implications for sidering any me confusion . It was agreed
to islanded mode should be set out in EREC G99 and not permitted under EREC G98. For this reason, to working document for further revisions will focus on G99 legal text.ActionFactor modification timeline into DCode WorkplanCMc2.231/03/23CMc	the legal text. The earthing arra House' backup e	angements for an Islanded connection was discussed. The workgroup revie earthing arrangement diagram provided and it was agreed that clarity could	ewed a 'Full
2.2 31/03/23 CMc	to islanded mode	e should be set out in EREC G99 and not permitted under EREC G98. For	
	Action	Factor modification timeline into DCode Workplan	
Agenda item 4. Legal text review ALL	2.2	31/03/23	CMc
	Agenda item 4.	Legal text review	ALL



CMc

The workgroup reviewed a document prepared with early draft text proposals. This document will be redrafted to suit the most recent version of EREC G99 and take into account the areas discussed by the workgroup.

It was proposed to consider the inclusion of clauses setting out the option for Customers to self-isolate their installations. CMc to circulate once the drafting has been revised, members will then provide their feedback as discussions develop.

Discussion on the application forms

No meaningful discussions on the applications forms, it was agreed that any proposed changes will be discussed at a future meeting.

The workgroup did discuss the technical requirements of type testing compliance, and the requirements for devices which operate at a higher output while operating in Islanded mode (not connected to the Distribution Network). It was proposed to consider additional clarity within G99 for devices intended to operate in Islanded mode. This will require further discussions.

Action	Circulate revised working document to members	
2.3	24/03/23	CMc
Action	Provide feedback and propose any legal text changes to be discussed	
2.4	12/04/23	ALL

Agenda item 5. Next Steps

Draft legal text will be extracted from the relevant sections of EREC G99 and shared with members for their views. This will become the 'working document' for any proposed changes going forward.

Actions	None		
Agenda item 6	5. <i>I</i>	AOB	СМс
None raised.			
Actions	None		
Agenda item 7	. N	Next Meeting	СМс
It was agreed a	at the meeting t	hat the workgroup will meeting in April – Thursday 20th April 2	2023.
Actions	None		



ACTIONS LIST

2.1	Circulate revised version of the minutes - 230321 24/03/23 – ✓	СМс
2.2	Factor modification timeline into DCode Workplan 31/03/23 – ✓	СМс
2.3	Circulate revised working document to members 24/03/23 – ✓	СМс
2.4	Provide feedback and propose any legal text changes to be discussed 12/04/23	ALL