

Minutes

Meeting name	Grid Code Review Panel
Meeting number	2
Date of meeting	21 June 2017
Location	National Grid House, Warwick and via webex and teleconference

Attendees

Name	Initials	Position
John Martin	JM	Panel Chair
Chrissie Brown	CB	Panel Secretary and interim Code Administrator Representative
Alan Creighton	AC	Panel member
Gurpal Singh	GS	Authority Representative Member
Kate Dooley	KD	Panel member
Guy Nicholson	GN	Panel member
Damian Jackman	DJ	Panel member
Alastair Frew	AF	Panel member
Nick Rubin	NR	BSC Panel Representative (dial in)
Kyla Berry	KB	Panel member
Robert Wilson	RW	Observer
Franklin Rodrick	FR	Presenter – GC0102
Graeme Vincent	GV	Panel member

1 Introductions and Apologies for Absence

Apologies were provided by Robert Longden and Steve Cox.

All presentations given at this Grid Code Modifications Panel meeting can be found in the Grid Code Panel area on the National Grid website:

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Panel-information/Meetings/2017/21-June-2017/>

The minutes from the May 2017 meeting were approved subject to GN sending through his minor comments.

2 New Modifications**GC0102 EU Connection Codes GB Implementation – Mod 3**

1066. FR talked through his modification. He noted that it was the third of the four EU modifications to be repackaged and re-raised following the implementation of Open Governance (GC0086) into the Grid Code. He stated that this modification would cover System Management and Compliance. FR also explained that once this

modification was raised at the Grid Code and Distribution Panel that GC0048 and GC0090 would be withdrawn as the defect within these modifications would be covered by GC0100, GC0101 and GC0102. It was agreed that GC0048 and GC0090 would only be officially withdrawn following the approval of GC0102 at the DCode Panel meeting.

Action 7: see action log

1067. The Panel noted that the table within the Proposal form was not the most up to date table and that there had been additional comments from the issue group. FR stated that he would circulate the most up to date table to the Workgroup five working days ahead of the meeting and additionally noted that the table should indicate the areas and parameters of the work to be completed. FR stated that the table currently included is illustrative and not definitive. FR went on to explain that the table will define the work completed so far and that the table can be used within the Workgroup. FR to update the table.

Action 8: see actions log

1068. KB stated that both Ofgem and BEIS required that a mapping exercise be completed to demonstrate where a comparison of the EU requirements with the GB codes was carried out. AC noted that this would be good for demonstrating compliance. The Panel agreed that the code mapping setting out the Articles that were being addressed by the Workgroup could be used at the Terms of Reference for the Workgroup. Code mapping to be updated and Terms of Reference to link to the code mapping.

Action 9: see action log

1069. DJ asked that the word 'extend' could be changed to 'amend' within the document. AC noted that this Workgroup would be a joint Workgroup with the Distribution Code. FR stated that he had spoken to the DCode Technical Secretary to request the circulation of this modification. It was noted that Richard Woodward presented at the DCode for modifications GC0100 and GC0101.

1070. AC noted that the Workgroup members and Industry would like to have early sight of the planned meetings. CB took an action to ensure the dates for future Workgroup meetings were added to the website and circulated to the Grid Code distribution list.

Action 10: see action log

1071. The Panel agreed for the modification to proceed, to follow the timetable proposed (with a Workgroup and Workgroup Consultation) and to report back with a Workgroup Report at the November Grid Code Review Panel.

1072. AF questioned how the Workgroup vote will work across the GCode and DCode on the Workgroup day. CB took an action to review this approach and report back to the Panel as soon as possible.

Action 11: see action log

3 Current Modification updates

1073. CB talked through the current Modification Register. CB also updated the Panel on the following Grid Code Modifications below.

GC0036 Review of the Harmonics Assessment Standards and Processes and GC0079 Frequency changes during large disturbances – phase 2

1074. **GC0036:** This joint workgroup was established in 2010 to update the ENA administered standard on harmonics, G5/4. This standard is referenced in both the Distribution Code and the Grid Code. As the update to the standard does not directly result in Grid Code changes it is proposed to withdraw this code modification. The industry workgroup will continue their task unchanged, they state up to 12 months of work remains and will report back to both code panels on completion.

1075. AF asked who agrees the document. RW stated that it was an ENA administrated document which is copyright of the Network Operators and that own the Governance. AC asked what happens at the end of the process and GS stated that once it was agreed a new industry standard would be established. GN stated that he did not believe that changing the references in the Grid Code from G5/4 to G5/5 would be a housekeeping modification as Generators could be adversely affected by the change and that you could not simply just update the document number within the Grid Code text. GS also stated that you could have different views and that Network Operators could have possible conflicts. AC took an action to speak to the DCode Technical Secretary to confirm the Governance arrangements and report back to the Panel.

Action 12: see action log

1076. **GC0079:** Phase 2 of the work being carried out by this joint workgroup deals with protection settings for <5MW generators and started in 2013. The driver for the work is from the System Operator; however code changes will only be to the Distribution Code and will only impact Distribution-connected generators. The panel agreed that the work needs to continue but as it will not result in a Grid Code change it is proposed to raise a new modification to the D Code panel and to withdraw GC0079.

1077. RW noted that this Workgroup would continue but that a DCode modification is to be raised and that additional Workgroup members would be able to join should they want to.

GC0087 Requirements for Generators Frequency Provisions

1078. CB noted that at the last GCRP this modification was withdrawn by the Proposer. Industry did not show any interest in picking this modification up, this is due to the fact that the defect is absorbed within modifications GC0100 and GC0101.

GC0048 GB Application of RfG, GC0090 High Voltage Direct Current (HVDC) and GC0091 Demand Connection Code

1079. CB noted that GC0048 and GC0090 will be withdrawn officially following the raising and acceptance of GC0102 at the D code Panel meeting. She noted that GC0091 will be withdrawn following the raising of the last EU Connection Code modification in the next few months.

GC0094 Relevant Electrical Standards

1080. CB noted that following the withdrawal of support from the Proposer of this modification (NGET) at the last Grid Code Review Panel meeting, SSE had agreed to take over as Proposer. DJ stated that he will be submitting a new Proposal form to the July Panel meeting. It was noted that GC0094 was originally raised as an issue rather than a formal modification and as such not a lot of work had been completed.
1081. It was noted that GC0102 may also require amendments to RES documents. It was questioned as to how affected the RES are by the RfG. DJ noted that there may be some instances where the RfG specifies requirements that Generators have to pay for something in Scotland that is not being used as they cannot use it or its not being used effectively. He also stated that it is not easy to meet three separate standards and as such a single set of RES documents was required. These points were noted and will be addressed in the modification.

GC0095 Transmission System Operator Guideline

1082. CB noted that this modification is currently at the Workgroup stage and that it would be likely that this modification be withdrawn as it was originally set up as an issue group. It would then be replaced with the modification(s) to proceed through Open Governance. An update will be given at the July Panel meeting.
1083. CB presented the current list of Workgroup members to the Panel. The Panel agreed that the Workgroup continue with the membership list presented subject to any additions that they specified.

GC0096 Storage

1084. CB noted that this modification is currently at Workgroup stage. She stated that the Workgroup Consultation is being finalised ahead of issue to Industry and that a webex meeting would be held shortly to finalise the Consultation. A timetable will be submitted to the July meeting for approval.
1085. CB presented the current list of Workgroup members to the Panel. The Panel agreed that the Workgroup continue with the membership list presented subject to any additions that they specified.

GC0097 TERRE implementation

1086. CB explained that this modification is currently at Workgroup stage. She stated that there would be a joint working group with BSC modification P344 on the 19 July 2017. She noted that an up to date timetable will be submitted as soon as possible following this meeting.
1087. CB presented the current list of Workgroup members to the Panel. The Panel agreed that the Workgroup continue with the membership list presented subject to any additions that they specified.

GC0098 Using GB Grid Code data to construct the EU Common Grid Model in accordance with Regulation (EU) 2015/1222 (Capacity Allocation Congestion Management) and Regulation (EU) 2016/1719 (FCA).

1088. It was noted that following the feedback from the Panel last month that the Proposer of this modification would be resubmitting their modification to the July Panel meeting.

GC0099 Establishing a Common Approach to Interconnector Scheduling

1089. The Panel agreed the Workgroup membership for this modification. CB also presented a new timetable requesting an extension for their approval which includes a Workgroup Consultation. The Panel stated that it would be beneficial for the Workgroup Consultation to specify that the modification is for minimum necessary change. The Panel agreed the timetable. The GC0099 Workgroup is now due to report back to the September Panel meeting.

GC0100 EU Connection Codes GB Implementation – Mod 1

1090. CB noted that the initial Workgroup meeting was held on the 7 June 2017. CB presented the nominations that had been received from Industry. The Panel approved the membership for this modification.

GC0101 EU Connection Codes GB Implementation – Mod 2

1091. CB noted that the initial Workgroup meeting was held on the 7 June 2017. CB presented the nominations that had been received from Industry. The Panel approved the membership for this modification.

1092. The Panel stated that when reviewing nominations that have been received from Industry to participate within a Workgroup, they require more information than that presented at this meeting. They specified that they require the legal entity that a member would be representing for instance the Transmission Operator or the Generator business. They also agreed that the best way to proceed with the membership for future modifications was for the Workgroup to add the representation specification to the Terms of Reference for the Workgroup.

Action 13: see actions log

4 Governance

Code Administrator survey feedback and action plan

1093. CB talked through her slides with regards to the above. She stated that the main items that the NG Code Administrator would be focusing on, following the survey feedback are:

- **Website** – coming summer 2017
- **Transparency** – work in process around the branding of the Code Administrator function
- **Meeting facilities** – Webex, flexible meetings and speaking to stakeholders
- **Communication** – SLA to be agreed for emails sent to the .box's

Terms of Reference and Workgroup voting

1094. CB explained to the Panel that there were a few areas of the Terms of Reference that it would be beneficial to debate and come to a conclusion on as a Panel. KD questioned whether the Code Administrators should be working together to produce one single standard TOR across all codes. CB stated that this would be beneficial and took the action away to feed into the monthly Code Administrators meeting. It was

agreed that this would be the most appropriate way to proceed but that the Grid Code would have to work to an interim TOR ahead of the finalisation of this. The areas are:

- 1) Standard scope
- 2) Percentage of meetings to attend to 'vote'
- 3) Voting in a Workgroup

Action 14: see actions log

Standard 'scope' for TOR

1095. The Panel agreed that they would add the following to the standard Terms of Reference circulated:

- 1) Review of membership ensure as far as possible that all impacted stakeholders are represented
- 2) If legal text is not included within the modification proposal, rather than reviewing the legal text submitted, the workgroup should assist in the drafting of the legal text where appropriate

The Panel talked through the benefits for stakeholders and Industry participants in ensuring full legal text is available when submitting a modification proposal. It was noted that it may not always be possible to do so due to a number of reasons (size of the company, time constraints, legal teams etc) and therefore the Workgroup should be tasked with assisting with this drafting where appropriate. It was also noted that where possible there was always a benefit for the Proposer to take their modification to the Grid Code Development Forum for feedback ahead of submission to the Panel and that the Code Administrator should be promoting this.

Percentage of meeting to attend to 'vote'

1096. CB suggested that a Workgroup member should attend fifty percent of meetings in order to be able to 'vote' ahead of the submission of the Workgroup Report to the GCRP. She stated that this was the percentage used for the CUSC. It was noted that it was not a requirement specified within the Grid Code text but the Panel agreed that it would be beneficial to both them, when they receive the Workgroup Report ahead of their recommendation or determination vote and also for the Authority when receiving the Final Modification Report. It was noted that there could be some possible combinations of attendance by workgroup members and their alternates such that from a mathematical perspective no Workgroup members would be eligible to 'vote'; it was agreed that this is highly unlikely to happen and should it do so that it can be addressed at the point in time. The Panel agreed that fifty percent was appropriate and should be used.

Voting in a Workgroup

1097. CB explained that when deciding on what 'vote' to propose as a way forward for the Grid Code under the new Open Governance rules that she had taken best practice from the UNC but also took into consideration the arrangements under the CUSC, as NGET is the Code Administrator. This 'voting' is less complex than the CUSC and only has two votes for each Workgroup member. The Workgroup member would have to state whether they support the Original proposal or any of the alternatives raised and then which is the best option. The Panel agreed with the proposed approach which is outlined below.

- Do you support the Original or any of the alternative Proposals?
- Which of the Proposals best facilitates the Grid Code Objectives?

Impartiality of Workgroup members

1098. The Panel noted and agreed that they would benefit from a proposed way forward with regards to whether Workgroup members should act impartially within a Workgroup. It was noted that it would be difficult for Workgroup members to disassociate themselves from their respective company entirely. NR stated that members within a BSC Workgroup would act impartially. He also offered to send around standard Terms of Reference from Elexon to assist with the drafting. NR agreed to send the TOR to the Panel following the meeting. CB took an action to report back to the Panel on the proposed way forward.

Action 15: see action log

1099. It was noted that there maybe some subject matter experts that may wish to attend Workgroup meetings that are from the same company as a Workgroup member. CB stated that the Code Administrator welcomes this participation and they just need to advise, via the Grid Code.box that they wish to attend and the reasoning behind the request.

6 Standing items

Grid Code Development Forum

1100. CB noted that she did not have any issues for discussion at the meeting scheduled for the 6 July 2017.

ENC Implementation Plan

1101. No comments were made on the Forward Work Plan.

July 2017 Workgroup Day

1102. CB noted that it was only the EU modifications that were due to be discussed at the Workgroup day scheduled for the 7 July 2017.

Code Summary

1103. No comments were made on the Code summary document.

Joint European Stakeholder Group

1104. CB noted the next JESG meeting was due to be held on the 22 June 2017. She stated that the main agenda item was TSOG.

7 Impact of other Code Modifications or Developments

1105. No impacts were raised at this meeting.

8 Any Other Business

1106. GN noted that there were some inconsistencies within the Grid Code when referring to certain definitions. He advised that he would send these through to CB for her review.
1107. GN stated that the word 'he' is used throughout the Grid Code and that it is not appropriate. GN will send this through to CB too for her review.
1108. GN requested that the paper names were amended to assist with reviewing multiple documents. CB stated that she would accommodate this amendment.
1109. GN requested that future meetings start at 10:15. The Panel agreed to this request.
1110. DJ questioned where the multiple fault ride through work sits now. He asked whether the information from the survey that was carried out following GCDF would be available to the Panel. RW stated that the responses received were not confidential and was happy for them to be circulated to the Panel in the first instance.

Action 16: see action log

1111. No **Workgroup Reports, Industry Consultations** or **Reports to the Authority** were presented at this meeting.
1112. The next Grid Code Panel meeting will take place on **19 July 2017** at **National Grid House, Warwick**. Papers day is 11 July 2017.