

## Minutes

<b>Meeting name</b>	Grid Code Review Panel
<b>Meeting number</b>	9
<b>Date of meeting</b>	Thursday 14 December 2017
<b>Location</b>	Hilton Hotel, Warwick

## Attendees

<b>Name</b>	<b>Initials</b>	<b>Role</b>
Trisha McAuley	TM	Chair
Caroline Wright	CB	Code Administrator
Naomi Davies	ND	Code Administrator
Gurpal Singh	GSH	Authority Representative
Nadir Hafeez	NH	Authority Representative (Observer)
Damian Jackman	DJ	Panel member
Graeme Vincent	GV	Panel member
Alastair Frew	AF	Panel member
Alan Creighton	AC	Panel member
Nick Rubin	NR	BSC Panel Representative
Kyla Berry	KB	Panel member
Robert Longden	RL	Panel member
Sigrid Bolik	SB	Alternate Panel member (Observer)
Robert Wilson	RW	National Grid (Observer)
Kate Dooley	KD	Alternate Panel Member (Observer)
Peter Frampton	PF	Presenter – Sandbox (Elexon)

## 1 Introductions and Apologies for Absence

TM opened the Panel meeting with round table introductions, noting all attendees dialling into the meeting via Webex including GS, NH, KD, NR, and SB.

All presentations given at this Grid Code Review 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>

## 2 Approval of previous meeting Minutes

1295. The minutes from the Panel meeting held on Wednesday 15 November 2017 were approved pending the inclusion of the comments received from AF with reference to correcting the referencing format applied to the Engineering Rules (minute 1272) and from AC, and DJ with reference to an additional point of clarity for the GC0107 discussions (minute 1267). In relation to the update provided for GC0098, SB commented that it remains unclear whether a new modification is required (minute

1276). Once incorporated, the finalised minutes will be circulated and uploaded to the website.

### 3 Review of Actions

1296. Actions Log updates since November's Panel (as highlighted in the document) were acknowledged and agreed.
1297. **Action 66** – KB agreed to make contact with AF on 15 December and to follow this up by circulating the link and Code Mapping to other Panel Members.
1298. **Action 20** – GSH gave an update by explaining the meaning of the various relevant EU regulations but due to the complexity and volume of regulations cited, Panel requested the update in writing. NH expressed an interest in understanding National Grid's position and whether it was in agreement with Ofgem's interpretation. KB is to seek the legal advice and return to later meeting.

### 4 New Modifications

1299. There were no new modifications to discuss.

### 5 Current Modification Updates

1300. ND verbally updated the panel on the current status of inflight modifications as per the PowerPoint presentation entitled 'Code Admin Slides' circulated online ahead of December panel and accessible via the following online link: <https://www.nationalgrid.com/uk/electricity/codes/grid-code/meetings/grid-code-panel-meeting-14122017>
1301. **GC0036 - Review of Harmonics Assessment Standards and Processes and GC0079 - Frequency Changes during Large Disturbances and their effect on the total system - Phase 2:** update given as per the slide presentation. ND confirmed that a Grid Code-related Consultation question will be added to the corresponding DCRP consultation in respect of G5/5. AF re-iterated the need for a simultaneous Grid Code consultation process to DC0036 which is due for Workgroup consultation in February in order to ensure a co-ordinated process. RW agreed to speak to the DCRP Panel Secretary and return an update to the January GCRP. Any new Grid Code modification would require a new Modification Proposal and modification reference number; GC0036 will not be used. GN observed that the National Grid website displays the modification as being concluded with no new link to the ongoing work being progressed by the Distribution Code.

**ACTION 68:** Code Administrator to look into feasibility of incorporating an appropriate link to DC0036 or to otherwise clarify current governance arrangements on the National Grid website.

**ACTION 69:** Code Administrator to confirm the timeline for DC0036.

**ACTION 70:** Code Administrator to review the process of the GC0036 proposal as a longer term 'lessons learnt' piece of work and to feedback to Panel.

1302. **GC0096 Energy Storage:** update given as per the slide updates. Confirmation to Panel that there is a risk to the timeline and this will return to January GCRP following the next GC0096 Workgroup scheduled for 15 January 2018.
1303. **GC0097 Project TERRE:** update given as per the slide updates. No change since the granting of the extension and the presentation offered to GCRP in November.
1304. **GC0099 Establishing a Common Approach to Interconnector Scheduling:** update given as per the slide updates. Potential risk to timeline highlighted given the number and feasibility of Workgroup to be scheduled before the Code Administrator Consultation that is currently timetabled for the end of January.
1305. **GC0100 EU Connection Codes GB Implementation – Mod 1; GC0101 EU Connection Codes GB Implementation – Mod 2; GC0102 EU Connection Codes GB Implementation – Mod 3:** update given as per the slide updates. ND confirmed that the Workgroup Vote was held on 6 December at which time there was majority support for the original proposals. Confirmation was given by ND that the draft Workgroup Report will be circulated to Panel w/c 18 December. Eligibility of attending Workgroup members to vote has been checked by the Code Administrator and only one attendee appears ineligible. Checks are ongoing and this will be made clear in the report.
1306. **GC0103 The introduction of harmonised Applicable Electrical Standards in GB ensure compliance with the EU Connection Codes:** update given as per the slide updates. ND confirmed that whilst a date for the second Workgroup had not yet been confirmed, it is due to convene early 2018. The scope was confirmed and actions taken by the Scottish Transmission Owners to review the electrical standards that will assist in progressing the work.
1307. **GC0104 EU Connection Codes GB Implementation – Demand Connection Code** – update given as per the slide updates. ND confirmed a risk to the timetable resulting from the ongoing work in relation to GC0100-102. Ofgem confirmed that flexibility to the current timeline is feasible. The next Workgroup is provisionally scheduled for 12 January. Further update and revised timeline will return to January GCRP. Three additional nominations were agreed by the Panel but Code Administrator to check 'user' status against CUSC Schedule 1, although the organisations appeared to be well known by the Panel.

**ACTION 71:** Code Administrator to check Flextricity, Origami Energy Limited, and Endeco Technologies against CUSC Schedule 1.

1308. **GC0105 System Incidents Reporting:** GN presented the revised **GC0105** proposal to Panel. KB highlighted the need for National Grid to understand the material impact of the report's newly proposed requirements in more detail. Ofgem agreed. Panel members discussed whether there was anything in National Grid's internal processes that could simplify how information for this report is assimilated. AC re-confirmed concerns about the possibility that the report may obligate network operators to provide information which is not readily available. CW highlighted the governance rules, confirming that discussions around the table did not support a self-governance approach. All Panel members agreed with this approach, confirming that a Workgroup was required to understand the outstanding issues. An indicative timetable was discussed with Panel recognising how this modification should be prioritised at a time

of high demand from other key modifications. Panel members contributed to working up the scope for the Terms of Reference with the following to be included:

- Costs
- Impact on system processes for National Grid and other users
- History of previous reports and consideration of previous reporting mechanism
- Benefits to system operator and users in helping to perform future policy
- Suitability/flexibility of report for future use
- Inclusion of 'soft' scenarios and demonstration of what industry wants to do with the information

**ACTION 72:** Code Administrator to open nominations for the GC0105 Workgroup with email circulation to industry w/c 1 January.

**ACTION 73:** Workgroup to request input from System Operability Framework Team and that they attend the Workgroup discussions.

**ACTION 74:** Code Administrator to update ToR and circulate to Panel Members.

1309. **GC0106 Data exchange requirements in accordance with Regulation (EU) 2017/1485 (SOGL):** update given as per the slide updates. ND highlighted that the timetable reflects the need for the KORRR consultation to conclude before the GC0106 Workgroup consultation can be issued.

1310. **GC0107 The open, transparent, non-discriminatory and timely publication of the generic and/or Power Generating Module specific values required to be specified by the relevant TSO(s) and/or relevant system operator et al., in accordance with RfG** – update given as per the slide updates, confirming that the first Workgroup is scheduled for 18 December. The Workgroup priority will be to determine whether addressing this defect is required for compliance with RfG implementation. A timeline will be presented back to January 2018 with an expectation that, if there is urgency surrounding the modification, then this will be reflected in that timeline and will have a significant impact on industry members and the Code Administrator.

## 6 Draft Final Modification Reports

1311. None to report.

## 7 Electrical Standards

1312. Panel accepted that all five RES documents discussed during the meeting [TS2.01 PART1(RES), TS3.01.01 (RES), PS(T)010, TS1, TS3.02.01] should be circulated to the Panel in one email for a 20 working day consultation. This will return to the January Panel. The impact on finalising these five documents on the work of GC0103 was noted.

**ACTION 75:** Code Administrator to circulate all RES documents discussed in one email to Panel for Consultation period of 20 Working Days

## 8 Governance

1313. No items to discuss.

## 9 Workgroup Day and GCDF

1314. RW confirmed that two items are due to be presented at GCDF in January 2018. Item 1 relates to a Proposal to initiate an Expert Working Group to support the development of Virtual Synchronous Machine (VSM) Grid Code requirements for converters. This was introduced by RW at the most recent Workgroup Day following a short 'GC0100 Next Step' presentation. Item 2 relates to the Engineering Recommendation P28 Voltage Fluctuation standard review. The standard, which is administered by the ENA and cited in the both the Grid and Distribution Codes, has been reviewed by an industry working group. The chair of the joint working group will present at January 2018 GCDF.

It was agreed that additional time should be allowed for GCDF to enable more time for discussion. Industry experts will be encouraged to attend the meeting and Webex will be made available.

GC0104 and GC0106 were provisionally confirmed as the two Workgroups to be held on 12 January.

## 10 Workgroup Reports

None reported

## 11 Reports to Authority

None reported

## 12 Standing Items

1315. **Code Summary:** ND referenced the document circulated to Panel Members ahead of the meeting.

1316. **Joint European Stakeholder Group (JESG):** CW updated that the JESG had convened in London on 13 December 2017. Updates were given by Steve Wilkin from Elexon re the Market European Stakeholder Committee (FCA, CACM and EGBL), Mark Pickles from National Grid re the XBID Project, Fergus Healy from National Grid re CACM update on countertrading methodology consultation and SOGL update on LFC block structure consultation, and Thomas Jones from Ofgem re the ACER decision on harmonised max/min prices.

1317. **Forward Work Plan and Horizon Scanning:** CW presented the CUSC 'Plan on a Page' to Panel Members and invited comments on the value of a similar visual tool for the Grid Code. Panel members confirmed that a similar tool would be useful for Grid Code. CW confirmed that every effort would be made for this to return to Panel by February. CW explained the work being completed with other Code Administrators in relation to horizon scanning.

**ACTION 76: CW to work with KB to ensure all strategic pieces of work are captured appropriately within the horizon scanning document.**

### 13 Impact of any other Code Modifications or Developments

1318. A number of cross code impacts were acknowledged including the possible need for a CUSC modification as identified through the GC0106 work. This is similar in relation to GC0097. AC highlighted the current consultation on GSR016 by the SQSS and the need to incorporate the potential associated Grid Code modification work into the Grid Code planner. NR highlighted the impact of GC0096 (Energy Storage) on BSC mods P363 and P364 and the need for the Panel to continue to keep this in view.

### 14 Any other business

1319. **Special Panel Dates:** Panel agreed to hold three dates for additional Panel meetings in order to progress the work of GC0100-0102. Holding invites to be sent out by the Code Administrator. Provisions for a suitable replacement Chair may be required in relation to one of the agreed dates (10 February).
1320. **Elxon Sandbox Presentation** - PF presented a Sandbox update to panel as per the slides which are accessible via the following link: <https://www.nationalgrid.com/uk/electricity/codes/grid-code/meetings/grid-code-panel-meeting-14122017>
1321. During subsequent discussion, Panel members recognised the general merit in its use but questions were raised in relation to applicability to the Grid Code. PF confirmed that shared learning across industry is a core principle of Sandbox when asked the question by the Chair. Panel acknowledged the value in hearing from Ofgem's Innovation team as a way to understand value to the Grid Code. GSH agreed to facilitate this request.

**ACTION 77:** GSH/NH to confirm Panel Presentation for February or March GCRP

**ACTION 78:** GSH/NH to confirm Panel Presentation for March GCRP to clarify derogation process

### 15 Next meeting

1322. A special GCRP is scheduled to convene via Webex on Wednesday 10 January 2018 to review GC0100, GC0101, and GC0102 ahead of Code Administrator Consultation.
1323. Following this, the GCRP will convene as normal at National Grid House on Wednesday 17 January 2018.