

# Grid Code Review Panel

## Minutes: 30 January 2020

### Grid Code Review Panel Minutes

**Date:** 30/01/2020      **Location:** Faraday House and WebEx

**Start:** 10:00am      **End:** 14:00pm

### Participants

Attendee	Initials	Company
Trisha McAuley	TM	Independent Panel Chair
Nisar Ahmed	NA	Code Administrator, National Grid ESO
Rob Pears	RP	Technical Secretary, Code Administrator, National Grid ESO
Alastair Frew	AF	Generator Representative
Alan Creighton	AC	Network Operator Representative
Chrissie Brown	CB	National Grid ESO Observer (Presenter)
Christopher Smith	CS	Offshore Transmission Operator Representative
Gareth Davies	GD	National Grid ESO Observer (Presenter)
Gurpal Singh	GS	Authority Representative
Jeremy Caplin	JC	BSC Representative
Kirsten Shilling	KS	National Grid ESO Observer (Presenter)
Nadir Hafeez	NH	Authority Representative
Paul Mullen	PM	Code Administrator Observer
Phil Smith	PS	National Grid ESO Observer
Rob Wilson	RWI	National Grid ESO Representative
Robert Longden	RL	Suppliers Representative

Ross McGhin	RM	Onshore Transmission Representative
Sigrid Bolik	SB	Generator Alternate Representative
Steve Cox	SC	Network Operator Representative
<b>Apologies</b>	<b>Initials</b>	<b>Company</b>
Damian Jackman	DJ	Generator Representative
Graeme Vincent	GV	Network Operator Alternate Representative
Guy Nicholson	GN	Generator Representative
Joseph Underwood	JU	Generator Representative
Richard Woodward	RWO	Onshore Transmission Alternate Representative
Tony Johnson	TJ	National Grid ESO Alternate Representative

### 1. Introductions and Apologies

7546. TM opened the Grid Code Review Panel meeting with introductions and apologies.

### 2. Minutes from previous meeting

7547. **DECISION:** the Panel approved the minutes from the Panel meeting held on 28 November 2019.

7548. **DECISION:** the Panel agreed that the minutes from the Panel meeting held on 19 December 2019 would be approved via circulation by close of play on 4th February 2020.

7549. The Panel agreed that the reference to an ACTION for Richard Woodward in the December Minutes was inaccurate and that the minutes should be re-drafted to remove the formal ACTION and replace the text for paragraph 7497 as follows: **“(7497) RWO will communicate the implementation of GC0129 to NGET Power quality team.”**

### 3. Action log

7550. The Panel reviewed the open actions from the meeting held on 19 December 2019 which can be found in the Actions Log.

<https://www.nationalgrideso.com/codes/grid-code/meetings/grid-code-panel-meeting-30-january-2020>

### 4. Chair update

7551. TM had no updates for the Panel.

### 5. Authority decisions

7552. GS informed the Panel that, from a Great Britain (GB) compliance perspective, the obligations of the Network Code on Emergency and Restoration (NCER) Regulation are already into force and are directly applicable. The main purpose of the proposed GC0125 and GC0127/GC0128 is to align the text of the Grid Code with the provisions of the NCER

Regulation and thus remove any potential inconsistencies, which will provide more clarity on obligations and ensure greater certainty. The Authority's decision on these modifications would be published in the next few days.

## 6. New modifications

7553. There were no new modifications raised at Panel this month.

## 7. In flight modification updates

7554. NA highlighted the progress of the in-flight modifications since the last Panel meeting in December 2019. The in-flight modifications can be found within the Panel papers pack on the National Grid ESO website via the following link:

<https://www.nationalgrideso.com/codes/grid-code/meetings/grid-code-panel-meeting-30-january-2020>

**GC0134: Removing the telephony requirements as part of Wider Access to the Balancing Market for small, distributed and aggregated market**

<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0134-removing-telephony-requirements-part-wider-access-balancing>

7555. NA informed the Panel that a Workgroup meeting would be held on Wednesday 5<sup>th</sup> February 2020.

RL informed the Panel that the Energy steering workgroup will be involved in the GC0134 workgroup

7556. PS made a request to the Panel, regarding a change to the title of the modification "Removing the telephony requirements as part of Wider Access to the Balancing Market for small, distributed and aggregated market participants who are active in the Balancing Mechanism"

7557. **DECISION:** the Panel agreed the proposed change to the title.

7558. **GC0117: Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements**

<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0117-improving-transparency-and-consistency-access-arrangements>

RWI proposed to the Panel that the nominations process be relaunched and that, along with the email for the nominations process, an information refresh for the modification is provided.

7559. **ACTION:** RWI to ensure that the correct wording for the process refresh of the GC0117 nomination process is created and that it will stress the importance of the modification. RWI to liaise with the Code Administrator prior to the nominations reopening.

7560. **GC0103: The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes**

<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0103-introduction-harmonised-applicable-electrical-standards-gb>

7561. **ACTION:** the Code Administrator to have a discussion with the proposer Garth Graham, regarding the prioritisation of GC0103.

7562. **GC0126 Implementing Profiled Stable Import and Export Limits, and reversing unimplemented aspects of GC0068**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0126-implementing-profiled-stable-import-and-export-limits-and>
7563. JC stressed to the Panel that ELEXON would need time to implement the necessary changes on its side, and so need clarity on the details of the new data formats ASAP. JC also pointed out that the current data formats for Stable Export Limit (SEL) and Stable Import Limit (SIL) are specified in the BSC, and so changes would have to be made on the BSC side at the same time as the Grid Code changes in order to avoid parties having to choose whether to be in breach of the Grid Code or the BSC.
7564. The Panel expressed its concerns to the ESO regarding the delay to GC0126.
7565. **ACTION:** RWI to circulate to the Panel the background information for the GC0126 modification.
7566. **GC0137: Minimum Specification Required for Provision of Virtual Synchronous Machine (VSM) Capability**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0137-minimum-specification-required-provision-virtual-synchronous-0>
7567. **ACTION:** the Code Administrator to discuss GC0137 nominations with the proposer offline, once the nominations process has closed on 04-02-20. The Governance rules on the nominations process to also be circulated to Panel members.
7568. **Modification tracker improvements**  
NA discussed with the Panel the changes that have been made to the Modification Tracker. RL queried column D on the tracker which shows the order of the prioritisation stack. He stated that the way the prioritisation stack was displayed was confusing and needs to be looked at. AC noted that the colouring of header rows for the columns should not be using RAG status colouring. RM stated that the Code Administrator summaries look good, but he repeated the comments made by AC regarding the RAG colouring and that it also applied to the Code Administrator section too.

## 8. Discussions on Prioritisation

7569. The Panel reviewed the prioritisation stack. The Panel's rationale on the prioritisation stack is included to show transparency to industry members. The revised version of the stack can be found via the following link:  
<https://www.nationalgrideso.com/codes/grid-code/meetings/grid-code-panel-meeting-30-january-2020>
7570. **ACTION:** the Code Administrator to create an additional tab on the Modification tracker spreadsheet to show the prioritisation stack more clearly.

## 9. Blockers on Modifications Progress

7571. An update will be provided at the February Panel.

## 10. Workgroup Reports

**GC0107 'The open, transparent, non discriminatory and timely publication of the generic and/ or PGM specific values required to be specified by the relevant TSO(s) and / or relevant system operator et al., in accordance with the RfG'**

<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0107-open-transparent-non-discriminatory-and-timely-publication>

**GC0113 ‘The open, transparent, non-discriminatory and timely publication of the generic and user specific values required to be specified by the relevant TSO(s) and / or relevant system operator et al., in accordance with the DCC’**

<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0113-open-transparent-non-discriminatory-and-timely-publication>

7572. PM delivered a presentation on GC0107/GC0113. PM stated that GC0107/GC0113 was proposed by SSE Generation Limited in November 2017 and April 2018 respectively. PM advised that these Modifications seek to obligate Network Operators to publish the technical requirements of general application or the technical requirements of specific application that arise from the application of the Requirements for Generators (GC0107) or the Demand Connection Conditions (GC0113) in GB.
7573. PM reminded the Panel that these Modifications had not been formally amalgamated by the Authority but that, in April 2018, the Panel had agreed that these Workgroups be held together. PM advised the Panel that eleven Workgroup meetings had been held. However, the Workgroups consulted separately on GC0107 and GC0113. The Workgroup had held two separate votes on GC0107 and GC0113.

#### **GC0107**

7574. PM stated that the GC0107 Workgroup Consultation ran from 23 July 2019 to 6 September 2019 with five responses received which largely re-iterated previously expressed views. PM stated that the respondents to the Consultation did not agree that the GC0107 Original proposal better facilitates the Applicable Grid Code Objectives. In response to the question on how often the additional technical data should be a) updated and b) published following bilateral agreement between network operator and User of site-specific values, there was clear preference for this to be done annually (the Workgroup noted that the Original remains on an ongoing basis rather than annual). PM confirmed that Workgroup Members acknowledged that potential costs (particularly on any ongoing management) were hard to quantify but would be modest in absolute terms; and recognised that iDNOs would need to be obligated to provide data to DNOs via a Distribution Modification.

#### **GC0113**

7575. PM advised that the GC0113 Workgroup Consultation was held from 1 November 2019 to 22 November 2019. PM advised the Panel that four responses were received to this consultation. All four respondents did not believe that the Original and 2 WAGCMs better facilitated the Grid Code Objectives than the Baseline. However, all of the respondents were Network Operators who, under this proposal, will have additional process responsibilities and compliance risks which outweigh the benefits (which are also not clear in their opinion). In response to the question on how often the additional technical data should be a) updated and b) published following bilateral agreement between network operator and User of site specific values, there was clear preference for this to be done annually (the Workgroup noted that the Original remains on an ongoing basis rather than annual); and recognised that iDNOs would need to be obligated to provide data to DNOs via a Distribution Modification.



7576. The Panel agreed that the Workgroup had delivered the Terms of Reference for GC0107/GC0113. The Panel approved the modifications to proceed to the Code Administrator Consultation. All GC0107/GC0113 documentation can be found via the following link:

<https://www.nationalgrideso.com/codes/gridcode/modifications/gc0113-open-transparent-non-discriminatory-and-timely-publication>

7577. **ACTION:** the Code Administrator to apply the use of voting categories consistently for all modifications (i.e. baseline, original - which means Proposer's solution and alternative(s)).

### **GC0132: Updating the Grid Code governance process to ensure we capture EBGL change process for Article 18 Terms and Conditions (T&Cs)**

<https://www.nationalgrideso.com/industry-information/codes/grid-code/modifications/gc0132-updating-grid-code-governance-process>

7578. RWI delivered a presentation on GC0132. RWI advised that this was raised by National Grid ESO and was submitted to the Grid Code Review Panel for its consideration on 27 September 2019. RWI stated that, following difficulties with quoracy, two Panel members had put themselves forward, at the November GCRP meeting, to progress the modification.

7579. RWI confirmed that three Workgroup meetings had been facilitated and that three alternatives (WAGCMs) had been developed alongside the Proposer's solution. RWI stated that the Workgroup had concluded that all solutions (WAGCM1, WAGCM2 and WAGCM3) better facilitated the applicable Grid Code objectives by implementing areas of European Law. The Workgroup agreed, by majority, that the best solution is WAGCM1.

7580. RWI informed the Panel that the GC0132 workgroup voted and they thought that they were finished, but additional legal amendments are likely to be required mainly to ensure a consistent approach with the related BSC modification P392.

7581. RWI would like to circulate additional legal paragraphs to the Workgroup by close of business on 30 January 2020 and for comments to be received by close of business on 4 February 2020. RWI hopes to confirm the decision in week commencing 3 February 2020 to allow the Workgroup to approve the final legal draft and to allow the Panel to approve the Workgroup proceeding to Code Administrator Consultation. The Panel were in agreement that a Special Grid Code Panel would have to be held to discuss this.

7582. AF raised a concern around the fact that the Workgroup has already voted and if changes are made to the legal text (which would be to the original and the WACGMs) would this then invalidate the original Workgroup vote

7583. RWI stated that the CUSC modification does not have alternatives so needs to be right and ensure that cross code impacts have been considered.

7584. An alternative, as the Workgroup has not been discharged, legal text could be added to improve legal interpretation.

7585. RM queried how a decision would be made as a Workgroup member in terms of what we are checking and voting against. Should the workgroup raise another WACGM and then have another vote?

7586. **DECISION** The Panel agreed with this approach but recommended that if any issues remained outstanding then another Workgroup meeting could be held for the Workgroup to agree, raise any WAGCMs required and hold another Workgroup vote.

## 11. Draft Final Modification Reports

### GC0135 'Removal of Redundant Provisions' (Self Governance modification)

<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0135-removal-redundant-provisions>

7587. PM delivered a presentation on GC0135. PM advised that GC0135 seeks to remove all references to Joint BM Units, Quiescent Physical Notifications (including entries for "QPN" and "QPNs") from the Grid Code as these will be rendered obsolete by BSC Modification P394 (raised by Elexon), which was unanimously approved by the BSC Panel in December and will be implemented on 3 March 2020

7588. PM stated that the Code Administrator Consultation opened on 18 December 2019 and closed 21 January 2020. One response to the Consultation was received, with the respondent agreeing that GC0135 better facilitated the Applicable Grid Code Objectives.

7589. The Panel held its determination vote on GC0135. The Panel unanimously agreed that the original was better than the baseline and determined that GC0135 should be implemented. NGESO will implement this modification on 05 March 2020.

## 12. Standing Groups

### Joint European Stakeholder Group (JESG)

7590. RP informed the Panel that the JESG Meeting secluded for January 2020 had been cancelled due to a lack of agenda items.

7591. The next meeting was scheduled to take place on Tuesday 11 February at ELEXON's office in London.

### Grid Code Development Forum (GCDF)

7592. RP informed the Panel that the GCDF scheduled for 8 January 2020 had been cancelled due to a lack of agenda items.

7593. The next meeting was scheduled to take place on Wednesday 5 February 2020, with the following agenda items:

- Enhanced Planning Data Exchange – Ian Povey (ENW)
- Requirements for additional voltage equipment – Louise Trodden (NGESO)

### Distribution Code Panel Update

7594. AC had no further updates for the Panel.

## 13. Reports to the Authority

7595. There were no Final Modification reports submitted to the Authority for decision.

## 14. Implementation Updates

7596. No modifications had been implemented since the Panel meeting held on 26<sup>th</sup> September 2019.

## 15. Electrical Standards

7597. The Relevant Electrical Standards (RES) documents slide, containing an action in response to a query raised by AF, was presented to the Panel. **QUERY:** “If you look in Relevant Electrical Standards (RES) document TS 3.02.01 Circuit Breaker in section 7.8 it refers to RES document TS 2.2(RES) Switchgear, similarly if you look at TS 3.01.02 Earthing it refers to TS 2.1 in section 1.3.6. Most RES documents refer to TS 2.1 and TS 2.2 but these document numbers are not listed on the website of RES documents, however there are documents “Substations – TS 2.01 Part 1RES i1” and “ Switchgear – TS 2.02 Part 1 (RES)” are these the actual documents the others are referencing and the numbering has gone wrong or are there another 2 documents.”

**ESO RESPONSE:** “We can confirm that references to ‘2.1’ & ‘2.01’ in the RES mean the same thing. Our understanding is that the leading zeroes are there to assist with machine sorting and making sure they appear in the right order in a list. In the short term, we will arrange for a note to clarify at the start of the documents that this is the case. In parallel, we will consider whether this approach is helpful or not and amend the documents accordingly.”

7598. **ACTION:** RWI to draft a paragraph in relation to the Relevant Electrical Standards (RES) documents changes and Code Administrator will upload this to the National Grid ESO website.

## 16. Governance

7599. There were no items relating to Governance considered by the Panel.

## 17. Updates on other Industry Codes

7600. There was no discussion relating to other Industry Codes by the Panel.

## 18. CACoP update

7601. An update will be provided at the February Panel.

## 19. Forward Plan Update

### RIIO-2 Business Plan

10051. GD from National Grid ESO delivered a presentation on RIIO-T2 Code Update. The full presentation slides can be found via the following link:

<https://www.nationalgrideso.com/codes/grid-code/meetings/grid-code-panel-meeting-30-january-2020>

10052. GD stated that the ESO’s 2030 mission is to enable the transformation to a sustainable energy system and ensure the delivery of reliable, affordable energy for all consumers.

10053. GD advised the Panel that there are four proposals which are:

- Reliable and secure system operation, to deliver energy when consumers need it;



- Unlocking consumer value through competition;
- Transforming participation in smart and sustainable markets; and
- Driving towards a sustainable, whole energy future

GD advised that the ESO wants to develop code and charging arrangements that are fit for future proposals. This includes transforming the process to amend the codes and working with all stakeholders to create a fully digitalised, whole system Grid Code by 2025. GD advised the Panel that the complete business plan can be found using the following link:

<https://www.nationalgrideso.com/about-us/business-planning-riio/riio-2-final-business-plan>

### **New Code Admin Reporting Template**

7602. CB presented the new Modification process template to the Grid Code Panel. CB advised that this new template is being rolled out across the other Codes that National Grid ESO administers. CB stated that the go-live date for using the new template is 1 March 2020 and an Industry Webinar will be held on 10 February 2020. CB advised the Panel that invites for this Webinar will be circulated accordingly.
7603. AF asked how alternatives would be incorporated within the new format. CB stated that she would expect an alternative proposal form to still be completed, the same as the current process but that this would be annexed the same as the original proposal form. She explained that the information would be pulled into the solution section under the options section.
7604. The Panel welcomed the changes being suggested and thanked CB for her work to date to improve the reports.

### **Forward Plan Update**

7605. KS provided the Panel with an update on the Code Administrator's forward plan deliverables. KS advised that the Modification process overview work-stream has mapped out the whole process which will be used internally. KS stated that the website is also under review with the work-stream currently reviewing pages, identifying improvements and ensuring consistency across documents.
7606. KS advised the Panel Members that if they have any further feedback on the improvements work to contact KS to discuss further.
7607. RL stated that onboarding for new parties is accessible on the ELEXON website and questioned if the Code Administrator would be doing something similar. KS confirmed that this will be looked into and that she will come back to a future Panel to provide further updates.

### **Critical Friend Quarterly Summary**

7608. NA provided an update on the critical friend checks that have been completed by the Code Administrator on Grid Code Modifications **GC0136: Non-material changes to the Grid Code following implementation of the EU Connection Codes** and **GC0137: Minimum Specification Required for Provision of Virtual Synchronous Machine (VSM)**

**Capability** raised between 1 November 2019 and 16 January 2020. NA stated that key areas of feedback from these checks are:

- Proposed amendments to the titles of modifications to ensure they are clear.
- Continue to seek definition of acronyms.
- Provided input on impacted Parties and Codes.

## 20. Any Other Business (AOB)

7609. The Panel had no AOB to discuss.

**The next Grid Code Review Panel meeting will be held on Thursday 27 February 2020.**