

# Grid Code Review Panel

19 December 2018

# Welcome

## Introductions and apologies





# Approval of Panel Minutes

**22 November  
2018**

# Actions Log



# Deferred Action updates

## Customer Journey

Action number	Action	Update
19	Look into pre Panel development of issues and processes for best practice across codes	Will be looking at the use of GCDF and any best practice in this space Q2 2019
55	Panel Members to disseminate invite and information from Code Administrator ahead of November's Pre-Panel call.	CA team to consider whether to re-introduce if we do assistance getting word out would be appreciated
56	Code Administrator to disseminate Horizon scanning document to November Panel	January 2019 to Panel (6 months initially)
63	GC0098 – wider lessons from governance process	Awareness and education on Open Governance Industry engagement Governance modification process. Guidance and FAQs in Q2 2019.
105	Code Administrator to incorporate cross code impact through added references or timelines in the developing a Plan on a Page	January 2019 to Panel

# Deferred Action updates

## Lessons Leant and Code Administrator business as usual

Action number	Action	Update
42	Code Administrator to look into reimplementing of GC0086 and revision number used	Standard Operating Procedure introduced and new revision to always be used
70	GC0036 - review process as a longer term 'lessons learnt' piece of work and to feedback to Panel	Lessons learnt introduced as part of process following each modification. Awareness in place for cross code working.
87	Code Administrator to ensure when reviewing documentation that this does not happen. In addition the modification proposal template to be looked at to improve the guidance to be given to Proposers to prevent this occurring. This is with reference to the use of acronyms.	Acronym table introduced at the outset of all Workgroup Reports
134	TM to talk to the Code Administrator about what can be brought to the Panel for transparency when a modification proposal becomes entrenched (e.g. GC0096) and a process that might be put in place where there is a lack of progress	Discussion still to be held. BAU piece of work for Panel. What would the Panel like to see?

# Chair's Update



# New Modifications

None







# In Flight Modification Updates

# GC0111 - Fast Fault Current Injection Specification Text

- **Last meeting held:** 6 December 2018
- **Workgroup Report due:** February 2019
- **Status:** On track to meet the Panel Workgroup report due date February 2019.
- **Next steps:** Next workgroup meeting planned 7 February 2019
- **Panel action required:** No action requested of the Panel
- **More information on modification:**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0111-fast-fault-current-injection-specification-text>

**GC0109** - The open, transparent, nondiscriminatory and timely publication of the various GB electricity Warnings or Notices or Alerts or Declarations or Instructions or Directions etc., issued by or to the Network Operator(s).

- **Last meeting held:** 3 December 2018
- **Workgroup Report due:** February 2019
- **Status:** Currently off-track to meet the Panel timetable for the Workgroup report which is due February 2019
- **Next steps:** Workgroup to meet on 6 February 2019 Workgroup day. Following this, the Workgroup will be able to provide a timetable for the Panel.
- **Panel action required:** No action requested of the Panel
- **More information on modification:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0109-open-transparent-non-discriminatory-and-timely-publication>

# GC0096 - Energy Storage

- **Last meeting held:** 4 December 2018
- **Workgroup Report due:** March 2019
- **Status:** On track to meet the Panel Workgroup report due date March 2019. Currently out to Workgroup Consultation which is due to close on 11 January 2019.
- **Next steps:** Workgroup to discuss the Consultation responses. Workgroup will meet on 23 and 25 January 2019.
- **Panel action required:** No action requested of the Panel

- **More information on modification:**

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<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0096-panel-energy-storage>

# GC0103 - Introduction of Harmonised Applicable Electrical Standards

- **Last meeting held:** 27 March 2018
- **Workgroup Report due:** April 2019
- **Status:** Currently on track to meet the Panel timetable.
- **Next steps:** Workgroup meetings scheduled for 9 and 10 January 2019.
- **Panel action required:** No action requested of the Panel
- **More information on modification:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0103-introduction-harmonised-applicable-electrical-standards-gb>

# GC0107/ GC0113

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.

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.

- **Last meeting held:** 5 December 2018
- **Workgroup Report due:** March 2019
- **Status:** Off- track to meet Workgroup report due date to Panel February 2019. This was due to issues with industry availability and quoracy of Workgroups.
- **Next steps:** The Workgroup have a number of actions to progress. The next meeting will take place on 6 February where a timetable will be agreed and an extension will be made to the Panel.
- **Panel action required:** No action requested of the Panel

## More information on modification:

GC0107 - <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0107-open-transparent-non-discriminatory-and-timely-publication>

GC0113 - <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0113-open-transparent-non-discriminatory-and-timely-publication>

# GC0117

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

- **Last meeting held:** 11 October 2018
- **Workgroup Report due:** February 2019
- **Status:** Off track to meet Workgroup report due date to Panel February 2019
- **Next steps:** Finalising the Impact assessment with the inclusion of the Gap Analysis to be agreed by the Workgroup before submission to the January 2019 Panel. Code Administrator is currently seeking Workgroup availability for the next Workgroup meeting (possibly 14 January 2019)
- **Panel action required:** No action requested of the Panel

- **More information on modification:**

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

# GC0105 - System Incidents Reporting

- **Last meeting held:** 17 October 2018
- **Workgroup Report due:** January 2019
- **Status:** Off-track to meet the current Panel timetable in relation to the Workgroup Report to Panel. This was due to a lack of quoracy of the Workgroup and a decision to have a Workgroup consultation.
- **Next steps:** This modification is currently out to Workgroup consultation which closes on 21 December 2018. The Code Administrator is looking for a date for the next Workgroup meeting.
- **Panel action required:** No action requested of the Panel
- **Link:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0105-system-incidents-reporting>








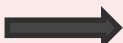

## Prioritisation principles

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<b>Complexity</b>	<b>The defect addressed by the proposed modification has implications for many different areas of the energy system which need to be taken into consideration throughout the process. The technical complexity and cross code impact of the modification will most likely require significant use of industry time and a higher than average number of workgroups to conclude the process.</b>
<b>Importance</b>	<b>The perceived value and risk associated with the proposed modification. The value / risk could be considered from a number of different perspectives i.e. financial / regulatory / licence obligations both directly for customer and end consumers more generally.</b>
<b>Urgency</b>	<b>A proposed modification which requires speedy consideration within the code governance process, as well as the timescales for implementation within the respective code.</b>

\*\* = Code Admin have faced issues with quoracy

# Prioritisation Stack

Movement	Date Raised	Modifications at Workgroup Stage	Panel Comments on Prioritisation
	18/04/2018	<b>GC0111:</b> Fast Fault Current Injection (FFCI) specification text	Linked to European Network Codes
	14/02/2018	<b>GC0109:</b> The open, transparent, non discriminatory and timely publication of the various GB electricity Warnings or Notices or Alerts or Declarations or Instructions or Directions etc., issued by or to the Network Operator(s).	Urgent Decision Request from Proposer **
	01/05/2016	<b>GC0096:</b> Storage, Definition and Assignment of Technical Requirements for Storage Technologies	Long standing Modification
	21/07/2017	<b>GC0103:</b> Introduction of Harmonised Applicable Electrical Standards	With other Modification having Legal requirements this modification has been placed here.
	18/04/2018	<b>GC0113/107:</b> 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 Demand Connection Code (DCC).	With other Modification having Legal requirements this modification has been placed here. **
	20/06/2018	<b>GC0117 -</b> Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements.	With other Modification having Legal requirements this modification has been placed here.
	10/10/2017	<b>GC0105:</b> System Incidents Reporting	Proposer not ready to start progress until later in the year. **



# Workgroup Reports

- GC0114

# GC0114 Background

- **GC0114** was raised by National Grid Electricity System Operator and was submitted to the Grid Code Modification Panel for their consideration in May 2018
- **Workgroup Consultation** – 10 responses received
- One alternative proposed (WAGCM)
- The Workgroup concluded by majority that the WAGCM solution best facilitates the Grid Code objectives and should be implemented. Three members out of nine concluded that Original is the best option.

# GC0114 Terms of Reference

Specific Area	Location in the report
Implementation and costs	Section 4 report
Review draft legal text should it have been provided. If legal text is not submitted within the Grid Code Modification Proposal the Workgroup should be instructed to assist in the developing of the legal text	Annex 2 and Annex 4
Consider whether any further industry experts or stakeholders should be invited to participate within the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup. Demonstrate what has been done to cover this clearly in the report.	Section 4 report
Consider cross code impacts (e.g. GC0097) and how the modification co-exists with other industry codes to ensure consistency with services being developed and implemented	Section 4 report
Consider material impact of modification	Section 4 report

# GC0114 Terms of Reference

Specific Area	Location in the report
Consider distribution connected parties providing the service	Section 4 report
Ensure fair representation of industry through Workgroup membership to include generation, demand, storage, aggregators, existing and future balancing services providers	Membership of the Workgroup and section 4 report
Ensure all requirements from EU Regulations are captured and mapped	Section 4 report and Annex 5
Define the pre-qualification process	Section 4 report
Define the transitional arrangements	Legal text and section 4 report
Set the implementation date	Legal text and section 4 report

The Panel is invited to:

- Accept the Workgroup Report
- Agree for GC0114 to proceed to Code Administrator Consultation

# GC0114 Timeline

19 December 2018	Workgroup Report presented to Grid Code Review Panel
21 December 2018	Code Admin Consultation Report issued (15 Working Days ~ close date 18 January 2019)
w/c 21 January 2019	Draft Modification Report issued to Industry and Panel (5 Working Days)
28 February 2019	Draft Final Modification Report presented to Panel and Recommendation Vote carried out
1 March 2019	FMR circulated to Panel (5 Working Days)
11 March 2018	Final Modification Report submitted to the Authority
No later than 12 April 2019	Authority Decision (25WDs)
30 April 2019	Implementation

# Draft Final Modification Reports

- GC0106





# GC0106 Background

- **GC0106** was raised by National Grid Electricity System Operator and was submitted to the Grid Code Modification Panel for their consideration in October 2017
- Joint Grid and Distribution Code Workgroup established
- **Workgroup Consultation** – 8 responses received
- **Three** alternatives proposed (WAGCMs) and advice sought from Panel under GR20.8 on two occasions
  - Instructed to fully develop WAGCM2
  - Instructed to not fully develop WAGCM1 and 3 as based on legal interpretation
- The Workgroup concluded by majority that the Original solution best facilitates the Grid Code objectives and should be implemented. Two members out of nine concluded that WAGCM2 is the best option.
- Letter sent from Panel to authority on **6 November 2018** under GR21.5

# GC0106 Code Administrator Consultation

The Code Administrator Consultation closed on **14 December 2018** and received **four** responses

- Northern PowerGrid (Alan Creighton) raised the following comments in his response:

Comments	Options
<p>We notice that the legal text in Annex 4 is not based on the on the current version of the Grid Code. It is important that the changes highlighted in red, if approved, are incorporated into the latest version</p>	<p>Reviewed. This must be with reference to DRC. When table numbers (legal text) implemented (if approved) will be on current baseline. <b>Can add table numbers to current DRC ahead of submission.</b></p>
<p>The proposed legal text in PCA3.1.4 refers to 'with a Registered Capacity of 1MW or less' Our understanding is that this should be 'with a Registered Capacity of less than 1MW' this would align with the text in PCA.3.14 (ii) and the new Schedule 11(d).</p>	<p>(i) <b>beginning from the 2019 Week 24 data submission, for Embedded Power Stations with Registered Capacity of 1MW or less</b>, their best estimate of the aggregated capacity of all such <b>Embedded Power Stations</b> per production type as defined in the list in PC.A.3.1.4 (a)(ii)(2)(a).</p> <p>If agree typographical amendment can be directed under GR22.4. If not add to modifications to be raised in action log.</p>
<p>There is un necessary blank page between DRC Schedule 11 pages four and five.</p>	<p><b>Code Administrator to remove ahead of submission to Authority</b></p>
<p>Table 11 (d) includes an entry for the date. As no other Schedule data requires the date to be included, we suggest this is deleted. In practice there is a data freeze for a Week 24 submission and this will be applied with populating Table 11(d)</p>	<p>Non-material housekeeping amendment can be made under GR22.4.</p>

## Next steps

- **Recommendation Vote**
- **Timetable suggested below;**

19 December 2018	FMR circulated to Panel (5 Working Days)
21 December 2018/ (if possible) 2 January 2019	Final Modification Report submitted to the Authority
6 February 2019	Authority Decision (25WDs)
14 March 2019	Implementation

# Reports to the Authority

None



# Authority Decisions

- GC0112



# Implementation Updates

None



# Electrical Standards

None



**Governance**

**None**







# Grid Code Development Forum and Workgroup Day

# Grid Code Development Forum and Workgroup Day

**Grid Code Development Forum 5 December 2018**

Code Administrator Update

**Next Grid Code Development Forum and Workgroup Day – 14 January 2019**



## Standing Items

- Distribution Code Panel update
- JESG Update

# Elections



# Election Outcome

The Election process has concluded for the term **1 January 2019 – 31 December 2020**.

- Code Administrator announced on 4 and 10 December 2018 the outcome of the elections
- Code Administrator is running an introductory session for the new Panel at the beginning of the January 2019 GCRP

# Alternate Panel Members – GR.7.2

- “a) At the same time that the parties entitled to vote in the relevant election appoint **Elected Panel Members** under GR.4.2(a), they shall appoint the following **Alternate Members**:
- i. one alternate representative of the **Suppliers**;
  - ii. one alternate representative of the **Onshore Transmission Licensees**;
  - iii. one alternate representative of the **Offshore Transmission Licensees**; and
  - iv. two alternate representatives of the **Generators**.

In the event that the election process fails to appoint an **Alternate Member** for any of the **Elected Panel Members**, each **Elected Panel Member** shall be entitled (but not obligated) to each at their own discretion nominate their own **Alternate Member**.

- b) Any **Panel Member** that is not an **Elected Panel Member** shall be entitled (but not obligated) to each at their own discretion nominate their own **Alternate Member**.
- c) A **Panel Member** shall give notice to the **Panel Secretary** in the event it will be represented by an **Alternate Member** for any one **Grid Code Review Panel** meeting.
- d) Where a **Panel Member** has nominated an **Alternate Member** in accordance with GR.7.2(a) or (b), they may remove such **Alternate Member**, by giving notice of such removal, and any nomination of a different **Alternate Member**, to the **Panel Secretary**. A **Panel Member** may not choose as his **Alternate Member**: any party who is already acting as an **Alternate Member** for another **Panel Member**; or another **Panel Member**.”

AOB



# Next Panel Meeting

10am on 24 January 2019 at National Grid House

Papers Day – 16 January 2019



[nationalgrideso.com](http://nationalgrideso.com)

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