

# Grid Code Review Panel

17 October 2018

# Welcome



**nationalgrid**ESO

# Introductions and Apologies

## Apologies

**Kyla Berry (NGET) – Alternate Rob Wilson**

**Alastair Frew (Generator Representative) – Alternate Lisa Waters**

**Robert Longden (Supplier Representative)**

**Sigrid Bolik (Generator Representative Alternate)**

## Observers

**Rachel Woodbridges-stocks (NGET)**

**Rachel Hinsley (Code Administrator)**



# Approval of Panel Minutes

27 September  
2018

# Actions Log





# New Modifications

None



# Workgroup Reports

None



# Authority Reports

None





# Modification Progress Update



# GC0105 - System Incidents Reporting

- **Last meeting held:** 16 March 2018
- **Workgroup Report due:** November 2018
- **On/off track:** Off Track – requesting an extension
- **Next steps:** Proposer currently developing solution for Workgroup Consultation based on Workgroup discussions. Workgroup to decide on a timeline and next steps for the workgroup. November Panel to review of the revised timeline.
- **Panel action required:** To approve a 1 month extension to December to allow Workgroup report to be finalised.
- **Link:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0105-system-incidents-reporting>

# GC0105 - System Incidents Reporting continued

- There has been an ongoing issue with quoracy with this Workgroup.
- GR.20.3 states “A Workgroup shall comprise at least five (5) persons (who may be Panel Members) selected by the Grid Code Review Panel from those nominated...”
- The January 2018 GCRP minutes at 1353 state in relation to GC0105 Workgroup:

“The Panel agreed for the Workgroup to commence with a lower quorate amount of members but to also extend the nomination period.”
- National Grid has sought legal advice in relation to Workgroup quoracy and whether a Code Panel can reduce this and what level of attendance is required in relation to the Workgroup for a member to participate in voting. A update to GCRP will be provided following receipt of the legal advice.

# GC0106 – Data exchange requirements in accordance with Regulation (EU) 2017/1485 (SOGL)

- **Last meeting held: 08 October 2018**
- **Workgroup Report due: November 2018**
- **On/off track: On Track**
- **Next steps:** Work group report to be submitted to Panel for review at the November GCRP.
- **Panel action required: None**
- **More information on modification:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0106-data-exchange-requirements-accordance-regulation-eu-20171485>

# GC0111 - Fast Fault Current Injection Specification Text

- **Last meeting held: September 2018**
- **Workgroup Report due: November 2018**
- **On/off track: On Track**
- **Next steps: Legal Text to be drafted**
- **Panel action required: None**
- **More information on modification:**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0111-fast-fault-current-injection-specification-text>



# GC0114 - SOGL Prequalification Processes

- **Last meeting held:** 14 August 2018
- **Workgroup Report due:** November 2018
- **On/off track:** Off Track
- **Next steps:** Next workgroup meeting 30 October 2018. An update will be provided following the next workgroup meeting to outline how many alternatives there are and how much work is still to be completed.
- **Panel action required:** Interim extension requested until December 2018 where an update will be provided
- **More information on modification:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0114-system-operation-guideline-prequalification-processes>

**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:** 07 September 2018
- **Workgroup Report due:** November 2018
- **On/off track:** Off Track – requesting an extension
- **Next steps:** Due to technology solution still in the creation stage, this modification will take longer to finalise.
- **Panel action required:** To approve an extension - see the next slide
- **More information on modification:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0109-open-transparent-non-discriminatory-and-timely-publication>

# GC0109 - New proposed timeline

Request for urgency received	22 June 2018
Workgroup Meeting 1	01 August 2018
Publish Workgroup Consultation (15WDs)	03 December 2018
Workgroup Consultation Closing Date	21 December 2018
Workgroup Report presented to Panel	30 January 2019
Code Administration Consultation Report issued to the Industry (15WDs)	01 February 2019
Code Administrator Consultation closing date	21 February 2019
Draft Final Modification Report presented to Panel	28 February 2019
Grid Code Review Panel Recommendation Vote	28 February 2019
Final Modification Report issued the Authority	11 March 2019
Authority Decision (25 WDs)	26 March 2019
Decision implemented in Grid Code	09 April 2019

# GC0118

- Modification to the Grid Code to accommodate the recent Distribution Code modification to Engineering Recommendation P28 –Voltage fluctuations and the connection of disturbing equipment to transmission systems and distribution networks in the UK

- **Last meeting held:** 5<sup>th</sup> September 2018
- **Workgroup Report due:** November 2018
- **On/off track:** On Track
- **Next steps:** Final Legal text review and Workgroup to Vote provisionally on 7<sup>th</sup> November 2018
- **Panel action required:** None
- **More information on modification:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0118-modification-grid-code-accommodate-recent-distribution-code>

# GC0096 - Energy Storage

- **Last meeting held:** 03 September 2018
- **Workgroup Report due:** November 2018
- **On/off track:** Off track
- **Next steps:** Two day legal text review end of October. A new timetable, as agreed, will be produced following the legal text workgroup meetings on 24/25 October 2018.
- **Panel action required:** None
- **More information on modification:**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0096-energy-storage>



# GC0103 - Introduction of Harmonised Applicable Electrical Standards

- **Last meeting held:** 27<sup>th</sup> March 2018
- **Workgroup Report due:** December 2018
- **On/off track:** On Track – Risk may not meet December as next Workgroup will be November
- **Next steps:** Re-commence Workgroup following action review
- **Panel action required:** None
- **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:** GC0107 Initial meeting held in December 2017
- **Workgroup Report due:** February 2019
- **On/off track:** On Track
- **Next steps:** First amalgamated Workgroup yet to be held. Unable to achieve a quorate workgroup – seeking availability for further dates.
- **Panel action required:** None

## 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:** First Workgroup to be yet held
- **Workgroup Report due:** February 2019
- **On/off track:** On Track

**Next steps:** Initial Workgroup meeting scheduled for 11 October 2018 with CMP291. Aiming to get the initial assessment circulated around Panel at the November Panel meeting.

- **Panel action required:** None
- **More information on modification:**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0117-improving-transparency-and-consistency-access-arrangements>

## Prioritisation principles

---

<b>Complexity</b>	<b>The defect 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 &amp; 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 modification which requires speedy consideration within the code governance process, as well as the timescales for implementation within the respective code.</b>

---

## Prioritisation stack

GC0106: Data exchange requirements in accordance with Regulation (EU) 2017/1485 (SOGL)
GC0111: Fast Fault Current Injection (FFCI) specification text
GC0112: National Grid Legal Separation Grid Code changes to incorporate National Grid Electricity System Operator (NGESO)
GC0114: System Operation Guideline: Prequalification Processes
GC0109: 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).
GC0118 Modification to the Grid Code to accommodate the recent Distribution Code modification to Engineering Recommendation P28 –Voltage fluctuations and the connection of disturbing equipment to transmission systems and distribution networks in the UK
GC0096: Storage, Definition and Assignment of Technical Requirements for Storage Technologies
GC0103: Introduction of Harmonised Applicable Electrical Standards
GC0113/107: 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).
GC0117 - Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements.
GC0105: System Incidents Reporting



# Implementation Updates

None





# Draft Modification Report / Draft Self- Governance Reports

None

# Electrical Standards

None



# Governance





# Grid Code Development Forum and Workgroup Day

nationalgridESO



# Grid Code Development Forum and Workgroup Day

## Grid Code Development Forum 3 October 2018 – Horizon Scanning

- Communication Standards – update to the Electrical Standards
  - This is likely to be raised with Panel within the next month
- Virtual Synchronous Machine/Fast Fault Current Injection
  - Modification likely to be raised in January 2019

## Next Grid Code Development Forum and Workgroup Day – 7 November 2018

- GC0111 will be held at the next Workgroup day

# Reports to the Authority

None



# Reports to Authority

- ☐ GC0108
- ☐ GC0112
- ☐ GC0106





# Standing Items

- Distribution Code Panel update
- JESG Update

# Impact of other Code Modifications or Developments

## Distribution Code Panel Update



# Code Governance Options for T2





# Joint European Stakeholder Presentation

## System Operation Guideline and Emergency and Restoration Planning



# Grid Code Derogations

A presentation  
by Ofgem



# AOB



# Next Panel Meeting

10am on 22 November 2018 at National Grid House

Papers Day – 14 November 2018

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

National Grid ESO, National Grid House, Warwick Technology Park,  
Gallows Hill, Warwick, CV346DA

**nationalgridESO**