

# Grid Code Review Panel

27 September 2018



# Welcome



# Introductions and Apologies

## Apologies

Robert Longden

## Observers

Robert Wilson - NGESO

# Approval of Panel Minutes

15 August 2018



# Actions Log



# New Modifications

None



# Workgroup Reports

None



# Authority Reports

None with  
Authority



# Modification Progress Update



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

- Last meeting held: **17 September 2018**
- Workgroup Report due: **October 2018**
- On/off track: Risk to meet October Panel, likely late paper due to next WG meeting position
- Next steps: WACM2 legal text review, Workgroup Report review and vote (8 or 10 October 2018)
- Panel action required: To review draft letter to be circulated (action 125) under GR21.5 for submission to the Authority for WACM1 and WACM3
- More information on modification:

<sup>10</sup> <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: **17 September 2018**
- Workgroup Report due: **November 2018**
- On/off track: Risk to meet October Panel, likely late paper due to next WG meeting position
- Next steps: WACM2 legal text review, Workgroup Report review and vote (8 or 10 October 2018)
- Panel action required: To review draft letter to be circulated (action 125) under GR21.5 for submission to the Authority for WACM1 and WACM3
- More information on modification:

# GC0114 SOGL Prequalification Processes

- **Last meeting held:** 14 August 2018
- **Workgroup Report due:** November 2018
- **On/off track:** On Track
- **Next steps:** Re-commence workgroup following consultation
- **Panel action required:** None
- **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:** On Track
- **Next steps:** Awaiting Solution to be sought
- **Panel action required:** None

- **More information on modification:**  
<https://www.nationalgrideso.com/codes/grid-code/modifications/gc0109-open-transparent-non-discriminatory-and-timely-publication>

# 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
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- **Workgroup Report due:** To be agreed in November
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- **On/off track:** On Track
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- **Next steps:** Final Legal text review and Workgroup to Vote
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- **Panel action required:** None
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- **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:** October 2018
- **On/off track:** Off Track
- **Next steps:** Two day legal text review end of October
- **Panel action required:** Request to extend by 1 Month until Legal text review is complete end of October due to Workgroup Members request.
- **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
- **Panel action required:** None

**More information on modification:** 107 - <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0107-open-transparent-non-discriminatory-and-timely-publication> 113 -

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

# GC0105 - System Incidents Reporting

- Two Workgroup meetings held on 22 Feb and 16 March
- Proposer currently developing solution for Workgroup Consultation based on Workgroup discussions
- CA received request to place modification on hold until later in the year recently
- Workgroup report due back November 2018
- **Link:** <https://www.nationalgrideso.com/codes/grid-code/modifications/gc0105-system-incidents-reporting>

## 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)
GC0110: Limited Frequency Sensitive Mode-Overfrequency (LFSM-O) compliance requirements for Type B Power Generating Modules (PGMs)
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

# Draft Modification Report GC0112



# **GC0112 - National Grid Legal Separation Grid Code Changes to incorporate NGESO**

**Modification raised at April 2018 GCRP**

**Three workgroup meetings held Workgroup Report highlights areas that were looked at in more detail**

**Workgroup agreed their Terms of Reference met**

**Implementation with GC0115 highlighted as an issue**

**Workgroup unanimously agreed that the modification should be made as it better facilitates the Grid Code objectives**

**Code Administrator Consultation closed on the 18 September**

# **GC0112 - National Grid Legal Separation Grid Code Changes to incorporate NGENSO**

**Closed on 18 September 2018**

**Four responses received**

**Respondents agree the modification should be implemented as it better facilitates the grid code objectives**

**Panel Asked to Vote on the DFMR**

**Vote circulated to Panel: 1 October 2018**

**Final Modification Report submitted to Authority: 11 October 2018**

# Draft Modification Report GC0108



# **GC0108 EU Code: Emergency & Restoration: Black start testing requirement**

**Modification raised February 2018 by National Grid**

**Purpose of GC0108 seeks to align the GB Grid Code with the European Emergency and Restoration code. The purpose of this proposal is to align and regulate the testing of black start stations across the two codes.**

**This Modification followed the Self Governance route with no Workgroup as per Panel decision**

**The second Code Administrator Consultation (as instructed under GR22.4) closed with 4 responses; 3 non confidential, 1 confidential**

# **GC0108 EU Code: Emergency & Restoration: Black start testing requirement**

**Closed on 12 September 2018**

**Four responses received – 3 non confidential, 1 confidential**

**Not all respondents feel the right governance route was taken**

**The majority of respondents believe the modification should be implemented**

**Panel Asked to Vote on the DFMR**

**Final Modification Report to be circulated to Panel: 1 October 2018**

**Final Modification Report submitted to Authority: 11 October 2018**

# Electrical Standards

None



# Governance



# Reports to the Authority



## Reports to Authority

- ☐ GC0108
- ☐ GC0112
- ☐ GC0106

# Standing Items

- Distribution Code Panel update
- JESG Update
- GCDF Update
- Workgroup Day Update



# New Website Update



# AOB



# Next Panel Meeting

17 October 2018 at NG House

Papers Day – 09 October 2018

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

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