

# Modifications Progress Update



Grid Code Development Forum – 4 July 2018

# GC0096 Storage

---

## Update to Grid Code Panel

---

Rob Wilson

28<sup>th</sup> June 2018

# The issue

---

- Over summer 2016 a number of connection applications were received for transmission connected storage projects
- These required technical appendices for their offers to be compiled
- This was felt to lack transparency and consistency – there are no provisions for storage projects in the Grid Code currently

# Initial progress

---

- Trialled a new approach – two workshops held with interested parties to define proposal in Aug 2016
- Became apparent that it was more complex than at first envisaged
- Difficulties in limiting scope to Grid Code – so technical specification only
- Terms of Reference for workgroup drafted Dec 2016
- 1<sup>st</sup> workgroup meeting Jan 2017
- Initial timeline envisaged consulting by mid-2017

# Why has it taken longer?

---

- Interaction with Ofgem consultation on storage during 2017
- Delays due to workload on European Codes
- At last workgroup meeting in Jan 2018 – agreed that legal text baseline needed to be taken from Requirements for Generators modifications GC0100-102 once these were approved (May 2018)

# Latest Position

---

- Revised legal text to be presented at next workgroup meeting on 27 July
- Aim to consult by Sept 2018
- Need to resolve some minor points regarding different types of storage project – controllable, non-controllable, synchronous, non-synchronous

## GC0098

---

### **GC0098 Using GB Grid Code data to construct the EU Common Grid Model in accordance with Regulation EU 2015 1222 CACM and Regulation EU 2016 1719 FCA**

- Second Code Administrator Consultation closed 8 June 2018. Two responses received.
- Panel reviewed the draft Self-Governance Report at the June Panel and undertook the Determination Vote, unanimously voting in favour of implementation against the Grid Code Objectives.
- The final report will be published ahead of final implementation.

# GC0103

---

## GC0103: Introduction of Harmonised Applicable Electrical Standards

- No further update since May GCRP
- Workgroup 3 convened on 27 March to review actions and potential alternatives
- Scale of documentation to review is large and prioritisation discussion occurring in the Workgroup
- NGET Technical Chair appointed
- Workgroup Documentation available online - <https://www.nationalgrid.com/uk/electricity/codes/grid-code/modifications/gc0103-introduction-harmonised-applicable-electrical>



# GC0105

---

## GC0105: System Incidents Reporting

- Two Workgroup meetings held on 22 Feb and 16 March
- Code Administrator recently received a request from the Proposer to place modification on hold until later in the year. Code Administrator to speak to Proposer on the best way forward (to withdraw the modification or request for modification to be placed on hold)

# GC0106

---

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

- Workgroup Consultation was issued on 6 April 2018 and closed on 27 April 2018.
- 3 Workgroup Alternative Code Modifications (WACMs) raised by a Workgroup member at 7<sup>th</sup> Workgroup on 2 May.
- Workgroup 9 is due to convene on 4 July 2018 to develop WACM2 and progress Workgroup Report to be submitted to the September 2018 Panel meeting
- Final Modification Report to be submitted to the Authority at the end of October.
- All KORRR and supporting reference papers including the Original Proposal and Workgroup Alternative Modifications are available on the National Grid website:
  - <https://www.nationalgrid.com/uk/electricity/codes/grid-code/modifications/data-exchange-requirements-accordance-regulation-eu-0>

## 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.**

- Modification is amalgamated with GC0113
- Modifications not required for compliance as agreed by Workgroup consensus.
- Next Workgroup Date - September 2018
- Website updated with proposal and can be accessed online via:  
<https://www.nationalgrid.com/sites/default/files/documents/PP3.%20GC0107%20Modification%20Proposal.pdf> (GC0107)
- <https://www.nationalgrid.com/uk/electricity/codes/grid-code/modifications/open-transparent-non-discriminatory-and-timely-1> (GC0113)

## GC0109

---

**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).**

- Raised at February 2018 Panel.
- Request for this modification to be treated as Urgent submitted to the Code Administrator from the Proposer on 26 June 2018
- June Grid Code Review Panel supported the urgency criteria (see below link) by majority. Decision now pending with the Authority.
- <https://www.nationalgrid.com/uk/electricity/codes/grid-code/modifications/open-transparent-non-discriminatory-and-timely-0>
- [https://www.ofgem.gov.uk/sites/default/files/docs/2011/05/ofgem-guidance-on-code-modification-urgency-criteria\\_0.pdf](https://www.ofgem.gov.uk/sites/default/files/docs/2011/05/ofgem-guidance-on-code-modification-urgency-criteria_0.pdf)

**GC0109****Proposed Urgent timetable for October 2018 Implementation**

<b>Proposal to Grid Code Panel Review Meeting</b>	28 June 2018
<b>Publish Workgroup Consultation (10WDs)</b>	16 July 2018
<b>Workgroup Consultation closing date</b>	30 July 2018
<b>Workgroup Report to Grid Code Review Panel</b>	15 August 2018
<b>Publish Code Admin Consultation (5WDs)</b>	16 August 2018
<b>Code Admin Consultation closing date</b>	23 August 2018
<b>Draft Modification Report to Grid Code Review Panel and Industry</b>	28 August 2018
<b>Grid Code Review Panel Recommendation Vote</b>	30/31 August 2018
<b>Submit Final Modification Report to Authority</b>	4 September 2018
<b>Decision</b>	9 October 2018
<b>Date of Implementation</b>	To be discussed with workgroup could be 1 working day 10 October 2018

# GC0110

---

## **GC0110 Limited Frequency Sensitive Mode - Overfrequency Compliance Requirements for Type A and Type B Power Generating Modules**

- The GC0110 Joint Grid and Distribution Code Workgroup met on two occasions (legal text and Workgroup Vote). Workgroup members voted in favour of the proposed changes.
- June Panel approved the Workgroup Report for Code Administrator Consultation
- Code Administrator Consultation to be issued on 6 July
- Distribution Code DCRP/18/07/PC now open for consultation until 27 July. This consultation will be of interest to all current and prospective manufacturers, developers, owners and operators of generation (and storage) of any size connecting new generation equipment to distribution networks.
- Panel to undertake Determination Vote in August

# GC0111

---

## GC0111 Fast Fault Current Injection Specification Text

- First Workgroup to be held on Workgroup day on 4 July 2018
- Workgroup Report to be submitted to Panel in September ahead of Code Administrator Consultation
- All persons applying for Workgroup Membership have been approved by the Grid Code Review Panel

## GC0112

---

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

- Initial Workgroup meeting held on 28 June 2018
- Workgroup Report due back at August Panel



# GC0114

---

## GC0114 SOGL Prequalification Processes

- First Workgroup held on 6 June, second to convene on 3 July
- Workgroup membership requests received in response to communications from Open Networks and Power Responsive approved by Grid Code Review Panel in June

## GC0115 \*new\*

---

### GC0115 Legal Separation housekeeping: NGET to The Company

- Housekeeping modification tabled at June Grid Code Review Panel which changes references of 'NGET' to 'The Company' immediately
- This approach should reduce the number of legal text changes in GC0112 and other mods
- Post approval of GC0112; other mods may need to use the two sets of legal text but the complexity should be significantly reduced
- Proposed Fast Track governance route approved. Revised Proposal to return to July Grid Code Review Panel.

## **GC0116 \*new\***

---

**GC0116 Correction to the compliance dates included in modifications GC0100-102 for the Requirements for Generators (RfG) and HVDC European Network Codes and other minor housekeeping changes**

- Housekeeping modification tabled at June Grid Code Review Panel
- Date change approach agreed by Panel and revised modification to return to July Panel for next steps

## GC0117 \*new\*

---

**GC0117 Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Generating Module (PGM) requirements.**

- Proposer – Garth Graham, SSE Generation
- Medium impact on Transmission Owners (including OFTOs and Interconnectors), Distribution Network Operators, Transmission System Users System Operator and Generators.
- Workgroup nominations window open until 23 July 2018