

Modifications Progress Update (Pr4)



Grid Code Review Panel – 28 June 2018

GC0096 Storage

Update to Grid Code Panel

Rob Wilson

28th 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
- 1st 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

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
- CA requested view on Technical Chair question and one view expressed that this was required
- 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
- 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, CA to speak to Proposer on the best way forward/whether its best to withdraw the modification or request for modification to be placed on hold
- Feedback to Panel via email

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

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Grid Code Review Panel – 28 June 2018

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 7th Workgroup on 2 May.
- Workgroup 9 is due to convene on 4 July 2018
- All KORRR and supporting reference papers for the meeting are available on the National Grid website:
 - <https://www.nationalgrid.com/uk/electricity/codes/grid-code/modifications/data-exchange-requirements-accordance-regulation-eu-0>

GC0106 – Governance Rules

20.8 In addition, prior to the taking of any steps which would result in the undertaking of a significant amount of work (including the production of draft legal text to modify the Grid Code in order to give effect to a Grid Code Modification Proposal and/or Workgroup Alternative Grid Code Modification(s), with the relevant terms of reference setting out what a significant amount of work would be in any given case), the Workgroup shall **seek the views of the Grid Code Review Panel** as to whether to proceed with such steps and, in giving its views, the Grid Code Review Panel may consult the Authority in respect thereof

GR.21.5 (CAC)

Where the Grid Code Review Panel is of the view that the proposed text to amend the Grid Code for a Grid Code Modification Proposal or Workgroup Alternative Grid Code Modification(s) is not needed in the Grid Code Modification Report, the Grid Code Review Panel shall consult (giving its reasons as to why it is of this view) with the Authority as to whether the Authority would like the Grid Code Modification Report to include the proposed text to amend the Grid Code. If it does not, no text needs to be included. If it does, and no detailed text has yet been prepared, the Code Administrator shall prepare such text to modify the Grid Code in order to give effect to such Grid Code Modification Proposal or Workgroup Alternative Grid Code Modification(s) and shall seek the conclusions of the relevant Workgroup before consulting those identified in GR.21.2.

GC0106 Next steps options

- **Option 1:** Instruct the GC0106 to fully workup all three WACMs and grant extension to October 2018 Panel meeting to submit their Workgroup Report (4 month extension) end of November submission to Authority
- **Option 2:** Request that the GC0106 Workgroup finalise their work and don't work up the WACMs fully and submit their Workgroup Report to the August 2018 Panel meeting (end of September submission to Authority with KORRR and could send back if required)
- **Option 3:** Instruct the GC0106 Workgroup to workup WACM2 and grant an extension to the timetable for their Workgroup Report to be submitted to the September 2018 Panel meeting (end of October submission to Authority)
- **Option 4:** Send letter to Ofgem to consult with them as per GR20.8
 - Awaiting response from Authority will impact timetabling

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.

- Panel agreed that this modification is to be amalgamated with GC0113
- Modifications not required for compliance as agreed by Workgroup consensus.
- Date for Workgroup to be held in 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 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).



Grid Code Review Panel – 28 June 2018

GC0109

- Raised at February 2018 Panel.
- Workgroup nominations from Elexon and DNOs now received – Workgroup quorate from last week in March 2018 onwards
- **Request for this modification to be treated as Urgent received on 26 June 2018**
- <https://www.nationalgrid.com/uk/electricity/codes/grid-code/modifications/open-transparent-non-discriminatory-and-timely-0>

Panel Recommendations and decisions

- Panel is asked to:
 - Recommend whether GC0109 should be treated as an **Urgent Modification** or not with reasoning based on assessment against the urgency criteria (GR23)
 - Including a timetable recommended by the Panel

Panel Recommendations and decisions

■ Urgency criteria:

- Be linked to an imminent issue or a current issue that if not urgently addressed may cause:
 - A. A significant commercial impact on parties, consumers or other stakeholder(s); or
 - B. A significant impact on the safety and security of the electricity and/or gas systems; or
 - C. A party to be in breach of any relevant legal requirements

https://www.ofgem.gov.uk/sites/default/files/docs/2011/05/ofgem-guidance-on-code-modification-urgency-criteria_0.pdf

GC0109 – Urgent timetable for October 2018 Implementation

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

GC0109 – Standard timetable

(as previously prioritised)*2019 Panels TBC

Proposal to Grid Code Panel Review Meeting	22 February 2018
Publish Workgroup Consultation (15WDs)	05 November 2018
Workgroup Consultation closing date	26 November 2018
Workgroup Report to Grid Code Review Panel	20 February 2019 Panel meeting (TBC)
Publish Code Admin Consultation (15WDs)	20 February 2019
Code Admin Consultation closing date	13 March 2019
Draft Modification Report to Grid Code Review Panel and Industry (5 WDs)	14 March 2019
Grid Code Review Panel Recommendation Vote	20 March 2019
Submit Final Modification Report to Authority	29 March 2019
Decision	09 May 2019
Date of Implementation	24 May 2019

GC0111 – Fast Fault Current Injection Specification Text

- First Workgroup postponed and now due to be held on Workgroup day on 4 July 2018
- Workgroup Report to be submitted to Panel in September ahead of Code Administrator Consultation
- Workgroup membership to be approved

Federico Rueda Londono	Vestas Wind Systems A/S <ul style="list-style-type: none">○ Wind Generators – OEM
Marko Grizelj	Siemens <ul style="list-style-type: none">○ VSC HVDC design/ Members of GC0100 & GC101 working groups

GC0112 – National Grid Legal Separation Grid Code Changes to incorporate NGESO

- Initial Workgroup meeting to be held on 28 June 2018 following GCRP
- Workgroup Report due back at August Panel

GC0114 SOGL Prequalification Processes

- First Workgroup to convened on 6 June
- New expressions of interest in the Workgroup received following communications from Open Networks and Power Responsive
- Workgroup membership to be approved

GC0114 Workgroup Members – for approval

Lisa Waters	Waters Wye Associates
Michael Clark	Pivot Power
Saskia Barker	Flextricity <ul style="list-style-type: none">○ Non-BM services and aggregation
Nick Rae	Vital Power
Russell Bulley	Vertiv <ul style="list-style-type: none">○ HV and LV AC and DC technologies together with electronic systems and conversion technologies
Jonathan Ainley	Kiwi Power
Shivali Mathur	Daikin Airconditioning UK Ltd

GC0114 Workgroup Members – for approval

Vijay Shinde	Sweco UK Limited <ul style="list-style-type: none">○ Grid Services Lead at engineering, environment and design consultancy Sweco UK & Ireland, with over 17 years' experience in delivering specialist technical and regulatory advice on project delivery across the energy sector.
Roger Hollies	Arenko Group
Rick Parfitt	The Association for Decentralised Energy <ul style="list-style-type: none">• <i>DSR provider of Balancing Services since 2009. I was involved in part of the drafting discussions of the Demand Connection Codes 2012-14</i>
	<ul style="list-style-type: none">• Welsh Power• I am a current member of the