

GC0100 EU Connection Codes GB Implementation – Mod 1

GC0101 EU Connection Codes GB Implementation – Mod 2

GC0102 EU Connection Codes GB Implementation – Mod 3



Special GCRP Panel – 8th February 2018
Code Administrator

Background

- GC0100 and GC0101 were submitted to the Grid Code Review Panel for consideration on 30 May 2017
 - <https://www.nationalgrid.com/sites/default/files/documents/Presentation%207%20and%208.%20GC0100-101.pdf>
- GC0102 was submitted to the Grid Code Review Panel for consideration on 21 June 2017
 - <https://www.nationalgrid.com/uk/electricity/codes/grid-code/meetings/grid-code-panel-meeting-21062017>
- GC0100 – GC0102 seek to apply new EU compliance obligations within existing GB frameworks as set out in RfG, HVDC and DCC.
 - ***GC0100-0102 are Joint Panel Working Groups with the Distribution Code***
<http://www.dcode.org.uk/joint-panel-working-groups.html>

Code Administrator Consultation

In accordance with GR.21.2 and GC.21.3, the Code Administrator proceeded to consult on the Proposals and the Workgroup Alternative Grid Code Modifications where applicable (GC0100 and GC0102).

The Consultations asked the following standard questions:

- 1. Do you believe GC0102 or its alternative solution better facilitates the Applicable Grid Code Objectives? Please include your reasoning.**
- 2. Do you support the proposed implementation approach? If not, please provide reasoning why.**
- 3. Do you have any other comments?**

The Code Administrator Consultation closed on Friday 2 February 2018.

Code Administrator Consultation – GC0100-102

- Eleven responses were received to all three Consultations

Question 1: Do you believe GC0100/101/102 better facilitates the Applicable Grid Code Objectives?

- 10/11 respondents agreed that the proposals and/WACM better facilitate the applicable Grid Code objectives
- 1 respondent does not agree that the proposed modification in its current form facilitates the Grid Code objectives in efficiently discharging the obligation imposed by legally binding decisions of the European Commission

Question 2: Do you support the proposed implementation approach?

- 9/11 respondents support the approach
- 1 respondent objected to the proposed timescales
- 1 respondent believes that the definitions are inconsistent with EU Regulation definitions and require significant amendments before the implementation approach can be appraised.

Code Administrator Consultation – GC0100/101/102

Question 3: Do you have any other comments?

- Most respondents offered no comment
- Other comments were received as follows:
 - setting of Uret to the highest permissible level for band B synchronous generators is crucial to the small synchronous generator industry
 - Figure ECC.6.3.15.4/Figure EA.4.2(a) – marking the definite voltage profile and the limiting grid response components in a different way to facilitate understanding
 - **Glossary and Definitions:** Maximum Capacity or Pmax; Reference to DCC-related changes in the G&D in an RfG focussed change (ie. definition of a GB Code User)
 - **DRC** - Schedule 11 page 68 is unclear whether DNOs are required to report the number of Generation Units or PGMs installed at a Power Station

continued on next slide...

Code Administrator Consultation – nationalgrid

GC0100/101/102

Question 3: Do you have any other comments cont?

- Other comments were received as follows:
 - **AMPS and ADE** comments to be looked at (page three response)
 - ECC 6.3.7.1.2 and ECP A5.8
 - **Northern Power Grid** – comments to be looked at
 - Definitions
 - **GE Power** – comments to be looked at
 - Type C and D, cumulative operation of FSM and LFSM-O-(-U)
 - Clarification points
 - **RWE Generation Ltd** – response to be looked at
 - Concerns raised by **Deeps Sea Electronic and AMPS** around harmonisation and intention of the RfG

Special GCRP – Purpose of the meeting

- Review the Draft Modification Reports including the Code Administrator Consultation responses
- Decide on next steps to address concerns raised
- Carry out Recommendation Vote if appropriate after assessing the Governance Rules and the above

Governance Rules

GR.22.4

A draft of the **Grid Code Modification Report** shall be tabled at the **Panel Meeting** prior to submission of that **Grid Code Modification Report** to the **Authority** as set in accordance with the timetable established pursuant to GR.19.1 at which the Panel may consider any minor changes to the legal drafting and:

- if the change required is a typographical error the **Grid Code Review Panel** may instruct the **Code Administrator** to make the appropriate change and the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**; or
- if the change required is not considered to be a typographical error then the **Grid Code Review Panel** may direct the **Workgroup** to review the change. If the **Workgroup** unanimously agree that the change is minor the **Grid Code Review Panel** may instruct the **Code Administrator** to make the appropriate change and the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote** otherwise the **Code Administrator** shall issue the **Grid Code Modification Proposal** for further **Code Administrator** consultation after which the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**.
- if a change is not required after consideration, the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**.

Issues to address

- National Grid as Proposer of these modifications have put together a presentation to talk through the issues raised through the Code Administrator Consultation and their views on them to aid discussion on Next Steps
- As Joint Workgroup need to look at implications across to Distribution Code – Mike Kay in attendance as Observer

GC0100 EU Connection Codes GB Implementation – Mod 1

GC0101 EU Connection Codes GB Implementation – Mod 2

GC0102 EU Connection Codes GB Implementation – Mod 3



Special GCRP Panel – Recommendation Vote
Code Administrator

Recommendation Vote – Governance Rules

- In accordance with GR.11.1, *at any meeting of the Grid Code Review Panel any matter to be decided which shall include the Grid Code Review Panel Recommendation Vote shall be put to a vote of those Panel Members entitled to vote in accordance with these Governance Rules upon the request of the Panel Chairman or any Panel Member*
- *any matter to be decided at any meeting of the Grid Code Review Panel shall be decided by **simple majority of the votes cast at the meeting** (an abstention shall not be counted as a cast vote).*
- *Voting Panel members: NGET Representative (X1), Network Operators Rep (X2), Supplier Rep (X1), Onshore Transmission Licensees Rep (X1), Offshore Transmission Licensee Rep (X1), Generators (X4), Consumer Rep (X1), a person appointed by the Authority (X1).*
- *Voting template circulated to Panel members ahead of Panel meeting*

Recommendation Vote cont'd – Panel Responsibilities

- In accordance with GR.22.1, the Grid Code Modification Report *shall be prepared by the Panel and shall include the Panel Members' Recommendation and a summary (as agreed by the Panel) of the views (including any recommendations) from Panel Members in the GCRP Recommendation Vote*

Next Steps

- In accordance with GR.22.5, A draft of the Grid Code Modification Report following the Grid Code Review Panel Recommendation Vote will be circulated by the Code Administrator to Panel Members (and in electronic mails to Panel Members, who must supply relevant details, shall meet this requirement) and a period of no less than five (5) Business Days given for comments to be made on whether the Grid Code Modification Report accurately reflects the views of the Panel Members as expressed at the Grid Code Review Panel Recommendation Vote. Any unresolved comments made shall be reflected in the final Grid Code Modification Report.
- Following the Authority's request to Panel for an earlier submission of the Modification Reports, the agreed and published timetable has been brought forward to reflect this.
- <https://www.nationalgrid.com/sites/default/files/documents/Pr5.%20Connection%20Code%20timetables.pdf>