



Grid Code Review Panel

Thursday 28 September 2023

Online Meeting via Teams

WELCOME



Purpose of Panel & Duties of Panel Members

The **Panel** shall be the standing body to carry out the **functions** referred to in the Governance Rules (**GR3.1.1**)

Functions (GR.3.2)

The **Panel** shall endeavour at all times to operate:

- in an **efficient, economical and expeditious manner**, taking account of the complexity, importance and urgency of particular Modification Proposals; and
- With a view to ensuring that the **Grid Code** facilitates **achievement of the Grid Code Objectives**.

Duties of Panel Members & Alternates (GR.3.3)

1. Shall act **impartially** and in accordance with the requirements of the **Grid Code**; and
2. Shall not have any **conflicts of interest**.
Shall not be representative of, and shall act without undue regard to the particular interests of the persons or body of persons by whom he/she was appointed as Panel Member and any Related Person from time to time.

Approval of Panel Minutes

Approval of Panel Minutes from the Meeting held

24 August 2023



Action Log





Chair's Update

Authority Decisions and Update (as at 20 September 2023)



Decisions Pending

- ☐ **GC0156:** Facilitating the Implementation of the Electricity System Restoration Standard

Decisions Received since last Panel meeting

- ☐ **GC0161:** Changes to OC6 to allow for site protection

Received Final Modification Reports since last Panel Meeting

- ☐ None

The Authority's publication on decisions can be found on their website below:

<https://www.ofgem.gov.uk/publications/code-modificationmodification-proposals-ofgem-decision-expected-publication-dates-timetable>



Inflight Modification Updates

Milly Lewis, Code Administrator

GC0139: Enhanced Planning-Data Exchange to Facilitate Whole System Planning Timeline Update

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem
Previous timeline	TBC	TBC	TBC
New timeline	22 May 2024	17 July 2024	09 August 2024

Rationale: The Workgroup requires more time to allow for ENA work to be carried out before returning to Workgroup and for the sub-group to finalise the legal text.

Workgroups Remaining: 4




Ask of Panel: Agree revised timeline



Panel Tracker

Milly Lewis, Code Administrator

Prioritisation Stack

Grid Code - Prioritisation Stack   			
Mod Number	Previous Priority No:	Priority No	Title
GC0162	2	1	Changes to OC6 to amend the operational timings for the delivery of the additional demand reduction above 20%, with a focus between 20% and 40%
GC0139	3	2	Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0117	4	3	Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Station requirements
GC0154	5	4	Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119
GC0155	6	5	Clarification of Fault Ride Through Technical Requirements
GC0103	7	6	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0159	8	7	Introducing Competitively Appointed Transmission Owners
GC0140	9	8	Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions



Workgroup Report

GC0154: Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119

Catia Gomes

Key points to note to the Panel

- Complex modification where there was a distinct difference of opinion on the approach to the solution.
- Both Original and WAGCM1 address a required change as driven by SOGL, which is a European Network Code.

Solutions and Workgroup Vote

Summary of solutions:

- The Original solution introduces to the Grid Code a new section on Interconnectors ramping, limiting it at 50MV/min
- The WAGCM1 solution introduces to the Grid Code a new section on Interconnectors ramping, limiting it at 100MV/min

Summary of Workgroup Vote:

- 7 Workgroup members voted, with 1 voting that the Original Solution was better than the Baseline and 6 that WAGCM1 was better than the Baseline.

Terms of Reference

The Workgroup conclude that they have met their Terms of Reference and the references can be located below:

Workgroup Term of Reference	Location in Workgroup Report
a) Implementation and costs;	Page 7, 12, 14,16,19
b) Review draft legal text should it have been provided. If legal text is not submitted within the Grid Code Modification Proposal the Workgroup should be instructed to assist in the developing of the legal text;	See Annex 6
c) Consider whether any further Industry experts or stakeholders should be invited to participate within the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup. Demonstrate what has been done to cover this clearly in the report	Page 19, 23
d) Consider EBR Article 18 implications	Page 21
e) The workgroup should fulfil the requirements of Ofgem's decision letter of 6 August 2019 approving the ESO's submission of Synchronous Area and LFC (Load frequency control area) Block Operational Agreement methodologies as required to comply with the System Operator Guideline, now forming retained GB Law, including the requirement to form a solution to incorporate interconnector ramping in the Grid Code.	Page 4, 5, 8,17, 20, 23
f) The workgroup should consider how this code change will impact other cross border discussions and the ongoing work in relation to the Trade Cooperation Agreement (TCA).	There are comments related to the EU requirement to implement a 15 min MTU –page 9 ,13, 20, 21, 23
g) The workgroup should consider how this change will be implemented for existing interconnectors, in progress interconnector connections and for future interconnector connections.	Page 7 indicated that compliance to SOGL requires all interconnectors to be treated fairly
h) The workgroup is to note that this modification is only seeking to address SOGL Article 137 (3) (HVDC interconnector ramping) as referred to in (e) above. Ramping of BMUs is not in scope.	The solutions only apply to interconnectors – the whole document refers to interconnectors
i) The workgroup is to consider that any solution follows the principles set out within the Intermediate GB LFC Block Operational Methodologies which were developed to document those requirements already covered in the GB codes and outline the remaining obligations not covered by the GB codes. Use of the supporting document developed to accompany the methodology text will support this; and	Page 9-11 (The detail used for the CBA)
j) The workgroup is to identify and consider any viable alternatives, or combination of solutions to those mechanisms initially indicated, outlining key or conceptual principles, and moreover the benefits when tested against the grid code modification objectives. These alternatives if appropriately supported are to be considered in the concluding narrative of the working party report.	<p>The Workgroup have raised an alternate proposal and a vote was held against the objectives to assess this -Page 17-18</p> <p>The Workgroup also completed a CBA to include options to assess possible solutions to resolve the operational and compliance drivers of the modification</p>

GC0154 – the asks of Panel

- **AGREE** that the Workgroup have met their Terms of Reference
- **AGREE** that this Modification can proceed to Code Administrator Consultation
- **NOTE** that this Modification does impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the ongoing timeline

GC0154 Next Steps

Milestone	Date
Code Administrator Consultation	02 October 2023 to 5pm on 02 November 2023
Draft Final Modification Report issued to Panel	15 November 2023
Draft Final Modification Report presented to Panel	23 November 2023
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	28 November 2023
Submission of Final Modification Report to Ofgem	07 December 2023
Ofgem decision date	TBC
Implementation Date	10 working days after Ofgem decision



Implementation Update

GC0148 - Implementation of EU Emergency and Restoration Code Phase I

Milly Lewis

Grid Code Development Forum – Previous and Next

6 September 2023

Request for EMT Model for Existing Generators

A presentation was shared in relation to a request for Generators to provide EMT Models to the ESO, the importance of EMT analysis, and options to address this request.

Grid Forming

A presentation was shared by the ESO in relation to proposed minor amendments to the Grid Code for Grid Forming. This proposed change is to remove the text which prevented the use of virtual impedance for the internal voltage source within a grid forming converter..

4 October 2023 (Deadline for Agenda items - 27 September)

Final Agenda items TBC.



Standing Items

- Distribution Code Panel update (Alan Creighton)
- JESG Update (information only)
 - Previous meeting – 12 September 2023 [Meeting materials and Headline Report](#)
 - Next meeting – 10 October 2023



Updates on other industry codes



Electrical Standards

GC0156 - Related Electrical Standards and documentation – Communications Standard

Tony Johnson



Code Administrator Update

Energy Code Reform (ECR) Update

Sarah Carter



Any Other Business

Grid Code 2024 Panel Dates

	GCDF	Modification submission end date	Panel Papers Day	Panel Meeting
January (in person)	10	10	17	25
February	7	7	14	22
March	6	6	13	21
April (in person)	3	10	17	25
May	1	15	22	30
June	5	12	19	27
July (in person)	3	10	17	25
August	7	7	14	22
September	4	11	18	26
October (in person)	2	9	16	24
November	6	13	20	28
December	4	27 November	4	12

Note: The Grid Code Panel meeting dates for February, March, August, October, and December are not the last Thursday of the month

Activities ahead of the next Panel Meeting

Grid Code Development Forum	04 October 2023
Special Panel Papers (GC0162 Workgroup Report)	09 October 2023
Modification Proposals to be submitted	11 October 2023
Special Panel (GC0162 Workgroup Report)	12 October 2023 Teams
Papers Day	18 October 2023
Panel Meeting	26 October 2023 Faraday House

Close



Jon Wisdom

Acting Independent Chair, Grid Code Review Panel