



# Grid Code Review Panel

Thursday 29 June 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

25 May 2023



# Action Log





## Chair's Update

# Authority Decisions and Update (as at 21 June 2023)



## Decisions Pending

- ☐ **GC0148:** Implementation of EU Emergency and Restoration Code Phase II

## Decisions Received 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



# GC0103: The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes Timeline Update

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem
Previous timeline	Modification was on hold from 2019		
New timeline	13 November 2023	19 January 2024	Expected Feb '24 - TBC once '24 Panel dates agreed

**Rationale:** New timeline created as a new Workgroup has been convened following a long period on hold for the modification

**Workgroups Remaining:** 4

**Ask of Panel:** Agree revised timeline and updated Terms of Reference

# GC0103: The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes Request to change Terms of Reference

The Workgroup would like reflect the following within their Terms of Reference (Workgroup 1 reviewing 27 June):

Amended Workgroup Terms of Reference
a) Implementation and costs;
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;
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; and
d) Consider EBR implications
e) Consider any unintended consequences of the modification
f) Consider the interaction between GC0103 and ongoing RES work
g) Consider any cross code impacts, including any relating to CATOs and GC0159 in particular

## GC0103- the asks of Panel

- **AGREE** the additional points within Terms of Reference (e, f, g)

# GC0117: Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Stations requirement Timeline Update

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem
Previous timeline	21 June 2023	16 August 2023	11 September 2023
New timeline	16 August 2023	18 October 2023	07 November 2023

**Rationale:** Delayed due to further work being required following the Cost-Benefit Analysis outputs

**Workgroups Remaining:** 2

**Ask of Panel:** Agree revised timeline?

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

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem
Previous timeline	21 June 2023	16 August 2023	12 September 2023
New timeline	20 September 2023	15 November 2023	07 December 2023

**Rationale:** The timeline has been extended to allow for additional Workgroup meetings post Workgroup Consultation.

**Workgroups Remaining:** 4

**Ask of Panel:** Agree revised timeline?

# GC0155: Clarification of Fault Ride Through Technical Requirements

## Timeline Update

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem
Previous timeline	15 May 2023	19 July 2023	08 August 2023
New timeline	15 November 2023	17 January 2024	07 February 2024

**Rationale:** The timeline has been extended to allow for further Workgroups to address concerns of the Workgroup ahead of going to Workgroup Consultation.

**Workgroups Remaining:** 4

**Ask of Panel:** Agree revised timeline?

# GC0161: Changes to OC6 to allow for site protection and demand disconnect rotation Title Change

Title Change	
Current Title	Changes to OC6 to allow for site protection and demand disconnect rotation
New Title	Changes to OC6 to allow for site protection

**Rationale:** The modification aims through minor alterations to OC6 to allow sites to be protected in the event of a supply shortfall. The solution will amend wording within OC6 of the Grid Code to enable protection for critical sites where operationally feasible. The modification does not aim to allow for demand disconnection rotation and the text ‘and demand disconnection rotation’ was added to the modification proposal in error. There are plans for future modifications that will address demand disconnect rotation.

## GC0161- the asks of Panel

- **AGREE** the Modification Title change

# GC0161: Changes to OC6 to allow for site protection and demand disconnect rotation Terms of Reference

## Workgroup Term of Reference

- a) Implementation and costs;
- 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;
- 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; and
- d) Consider EBR implications
- e) Ensure that the scope of work identified is achievable within the timeframe outlined in the Ofgem Urgency decision letter.
- f) Consider whether the solution has consequences on OC6 that would prevent the intention of the modification being achieved.
- g) Ensure that the use of the term 'any one' in OC6.2.1 is understood.
- h) In OC6.2.1 consider whether the present requirement for NGESO not to discriminate between any groups of Suppliers, Network Operators or Non- Embedded customers should be retained / modified rather than deleted.
- i) Consider the implications for the Distribution Code, including DOC6
- j) Consider cross code implications
- k) Consider interactions with the Electricity Transmission Standard License Conditions

## GC0161- the asks of Panel

- **AGREE** the additional point within the Terms of Reference



# Panel Tracker

Milly Lewis, Code Administrator



## Prioritisation Stack

Mod Number	Previous Priority No:	Priority No	Title
GC0161	1		Changes to OC6 to allow for site protection and demand disconnect rotation
GC0139	2		Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0156	3		Implementation of the Electricity System Restoration Standard
GC0117	4		Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements
GC0154	5		Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119
GC0155	6		Clarification of Fault Ride Through Technical Requirements
GC0103	7		The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0159	8		Introducing Competitively Appointed Transmission Owners
GC0140	9		Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions



# Draft Final Modification Report

## GC0156: Facilitating the Implementation of the Electricity System Restoration Standard

Milly Lewis, Code Administrator

# Solution(s)

## Summary of solutions:

Both solutions aim to restore the system and supplies as quickly as possible in the most economic manner. The implementation of the ESRS is to put in place measures, tools and procedures via the Grid Code such that in the event of a Total or Partial Shutdown of the GB Electricity System, 60% of Demand can be restored within all regions of GB in 24 hours and 100% of Demand can be restored in 5 days nationally.

	Summary of Update	Original	WAGCM1
Glossary and Definitions	Introduction of new definitions – changes to some existing definitions	✓	✓
Planning Code	Data reporting for Restoration Service Providers and Parties forming part of a Distribution Zone	✓	✓
Connection Conditions/ European Connection Conditions	Changes to Protection, Control and Governor Settings, amendments to Offshore to enable Offshore Generation to participate in Restoration, broad normalisation of Anchor Plant and Top Up Restoration Plant, introduction of Distribution Restoration Zones/obligations on Network Operators, reinforcement of Critical Tools & Facilities, introduction of Assurance activities	✓	✓
OC1	Notification Demand Data for System Restoration Purposes	✓	✓
OC2	Outage data in respect of Restoration Service Providers and Network Operators	✓	✓
OC5	Enhanced Testing and Assurance requirement including deadline charge and remote Synch tests	✓	✓
OC9	Fundamental restructure to include Local Joint Restoration Plans and Distribution Restoration Zone Plans	✓	✓
BC2, BC4 & General Conditions	Consequential changes	✓	✓
Data Registration Code	Consequential data changes	✓	✓
Asset resilience at site(s) for 72 hours after a Partial or Total Shutdown		All CUSC Parties	Contractual Arrangements only

# Code Administrator Consultation Responses

## Summary of Code Administrator Consultation Responses :

- Code Administrator Consultation was run from 02/05/2023 to 09/06/2023 and received 10 non-confidential responses and 1 confidential response. Key points were:
  - There was a split of opinion from respondents as to which solution would be the most efficient and economical way to discharge the ESRS obligations, but respondents were broadly supportive of the implementation approach;
  - Nearly half of respondents felt that the GC0156 solutions were high level and that further work was still required to clarify the detail;
  - Several respondents raised concerns around the remaining timescales left to industry in order to become compliant with the new obligations from 31 December 2026;
  - All the comments regarding the legal text have been captured, along with any provisional action taken, ahead of Panel approval in Annex 23 of the DFMR.
    - 46 comments have resulted in the legal text being provisionally updated these include;
      - rebaselining the text to include changes made as part of the GC0141, GC0157 and GC0160.
      - correcting erroneous referencing, spelling and missing words
    - 34 comments have not resulted in provisional changes as they were either clarifications or suggestions which potentially require Workgroup input.
    - NB: The Electrical Standards are shared as part of the DFMR, however, the governance of these documents will follow the Grid Code Electrical Standards Procedure as set out in GC.11.

# Code Administrator Consultation – Legal Text Changes. What do the Grid Code Governance Rules say?

GR.22.4

A draft of the **Grid Code Modification Report** shall be tabled at a meeting of the **Grid Code Review Panel** 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, and at which the **Panel** may consider any minor changes to the legal drafting, which may include any issues identified through the **Code Administrator** consultation, and:

- (i) 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 Chairperson** will undertake the **Grid Code Review Panel Recommendation Vote**; or
- (ii) 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 Chairperson** will undertake the **Grid Code Review Panel Recommendation Vote**, otherwise for changes that are not considered to be minor the **Code Administrator** shall issue the **Grid Code Modification Proposal** for further **Code Administrator** consultation, after which the **Panel Chairperson** will undertake the **Grid Code Review Panel Recommendation Vote**; or
- (iii) In the case of a modification that had been directed pursuant to GR.19.2(e) to proceed directly to wider consultation without the formation of a **Workgroup**, and if the change required is not considered to be a typographical error, then the **Grid Code Review Panel** may direct the **Code Administrator** in conjunction with the **Proposer** to review the change. If the **Grid Code Review Panel**, the **Code Administrator** and the **Proposer** agree that the change is minor the **Grid Code Review Panel** may instruct the **Code Administrator** to make the appropriate change and the **Panel Chairperson** will undertake the **Grid Code Review Panel Recommendation Vote**, otherwise for changes that are not considered to be minor the **Code Administrator** shall issue the **Grid Code Modification Proposal** for further **Code Administrator** consultation after which the **Panel Chairperson** will undertake the **Grid Code Review Panel Recommendation Vote**. In the case of a change that is not considered to be minor, the **Grid Code Review Panel** may also consider whether to establish a **Workgroup** of the **Grid Code Review Panel**, to further consider the **Grid Code Modification Proposal**, in which case the procedures set out within GR.20 will be followed as required; or
- (iv) if a change is not required after consideration, the **Panel Chairperson** will undertake the **Grid Code Review Panel Recommendation Vote**.

Code Admin must present the proposed legal text changes

Panel have 3 choices:

- **Agree the change is typographical** and instruct Code Admin to make the change under GR.22.4(i). Then we **carry out Recommendation Vote**; or
- **Agree the change is not needed** under GR.22.4(iv). Then we **carry out Recommendation Vote**; or
- Under GR.22.4(iii), **Direct Code Admin and Proposer to review the change or agree to run a 2<sup>nd</sup> Code Administrator Consultation** (and agree how long this is to be run for) **or ask for a Workgroup to be formed. Then re—issue the Draft Final Modification Report to Panel for Recommendation Vote.**

# GC0156 – the asks of Panel

- **AGREE** whether or not the proposed changes to the legal text are typographical
- **NOTE** that this Modification does not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code?
- **VOTE** whether or not to recommend implementation
- **NOTE** next steps

# GC0156 – Next Steps

Milestone	Date
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	03 July 2023 – 07 July 2023
Submission of Final Modification Report to Ofgem	11 July 2023
Ofgem decision date	TBC
Implementation Date	10 WD after Authority decision

# EBR Article 3 Objectives

**For reference, the Electricity Balancing Regulation (EBR) Article 3 (Objectives and regulatory aspects) are:**

1. This Regulation aims at:

- (a) Fostering effective competition, non-discrimination and transparency in balancing markets;
- (b) enhancing efficiency of balancing as well as efficiency of national balancing markets;
- (c) integrating balancing markets and promoting the possibilities for exchanges of balancing services while contributing to operational security;
- (d) contributing to the efficient long-term operation and development of the electricity transmission system and electricity sector while facilitating the efficient and consistent functioning of day-ahead, intraday and balancing markets;
- (e) ensuring that the procurement of balancing services is fair, objective, transparent and market-based, avoids undue barriers to entry for new entrants, fosters the liquidity of balancing markets while preventing undue market distortions;
- (f) facilitating the participation of demand response including aggregation facilities and energy storage while ensuring they compete with other balancing services at a level playing field and, where necessary, act independently when serving a single demand facility;
- (g) facilitating the participation of renewable energy sources and supporting the achievement of any target specified in an enactment for the share of energy from renewable sources.



# Grid Code Development Forum – Previous and Next

**7 June 2023 (Deadline for Agenda items - 31 May)**

Meeting cancelled due to lack of Agenda items

**5 July 2023 (Deadline for Agenda items - 28 June)**

Final Agenda items TBC but current scheduled items include:

## **Creation of new EDL Reason Codes**

A proposal will be shared in relation to the creation of new EDL Instruction Interface Reason Codes for the disarming and rearming of response services.

## **Submission of EMT Models following the implementation of the GC0141 Grid Code Modification**

The ESO wishes to conduct analysis which would require EMT Models from all generators and would like to discuss the feasibility of obtaining EMT Models from all generators, and not just users connected after the 1 September 2022 as required by the approval of the GC0141 Modification.



## Standing Items

- Distribution Code Panel update (Alan Creighton)
- JESG Update (information only)
  - Previous meeting – 13 June 2023 [Meeting materials and Headline Report](#)
  - Next meeting – 11 July 2023



## Updates on other industry codes



**Any Other Business**

## Activities ahead of the next Panel Meeting

**Grid Code Development Forum**

05 July 2023

*GC0161 Workgroup Report*

*11 July 2023*

**Modification Proposals to be submitted**

12 July 2023

*GC0161 Special Panel*

*14 July 2023*

**Papers Day**

19 July 2023

**Panel Meeting**

27 July 2023  
Teams Meeting

**Close**



**Trisha McAuley OBE**

**Independent Chair, Grid Code Review Panel**