

Public

# Grid Code Review Panel

Thursday 27 February 2025

Online Meeting via Teams



Public

# 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 time 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**.

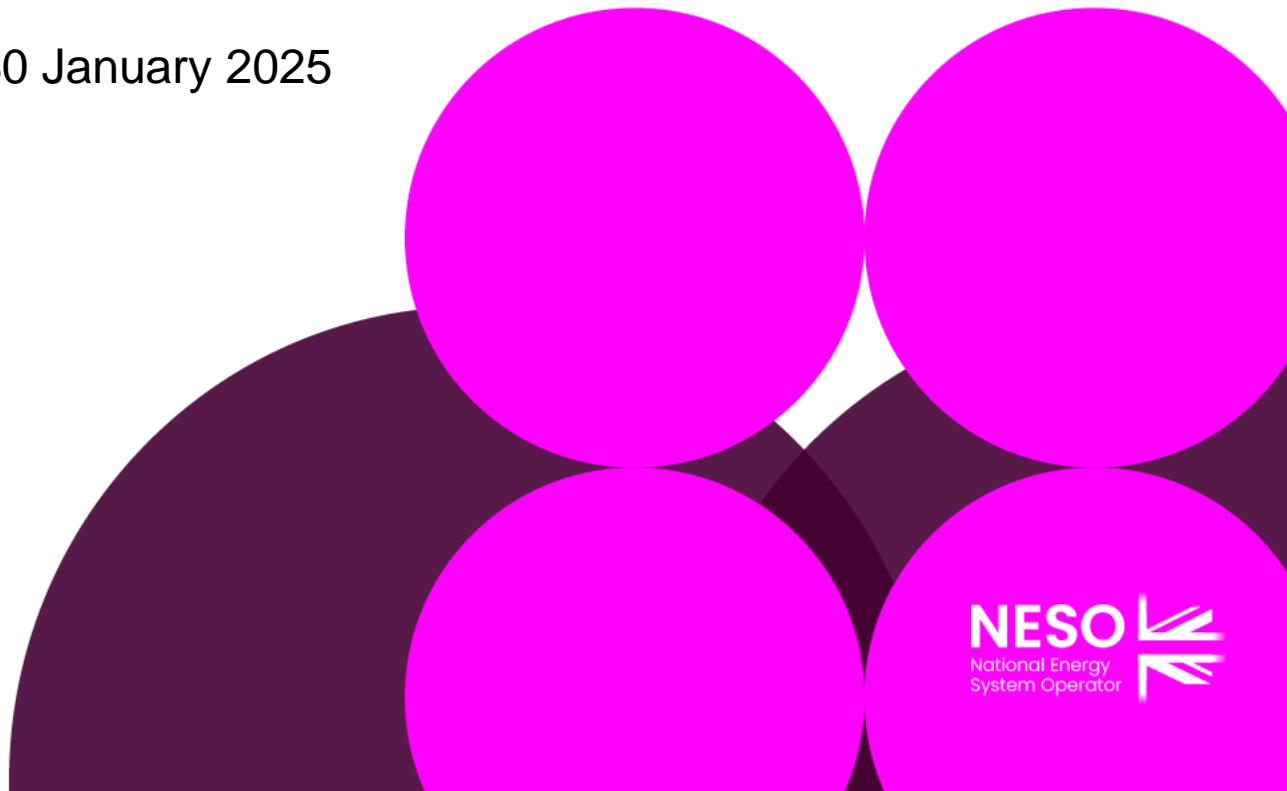
## Duties of Panel Members & Alternates (GR.3.3)

- 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

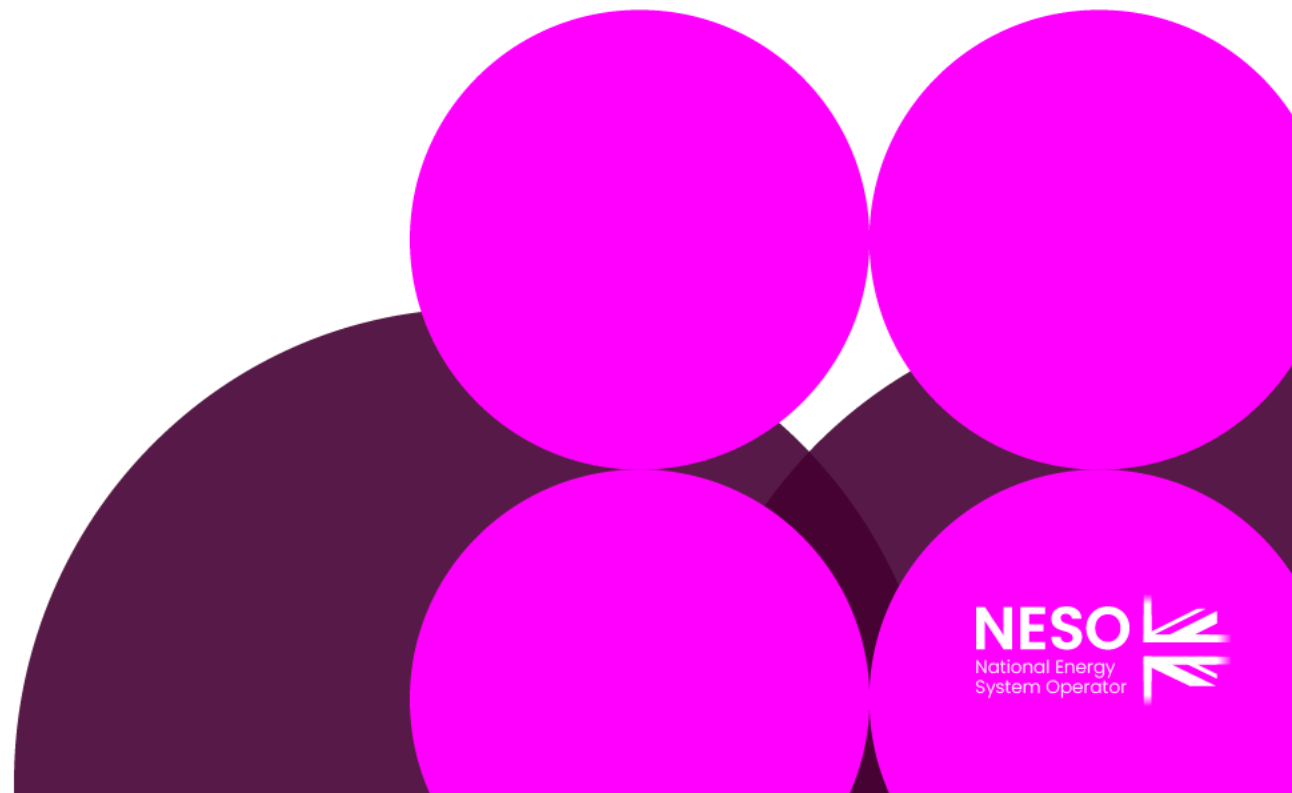
Approval of Panel Minutes from the Meeting held on 30 January 2025



# Public Action Log

Action No.	Status	Action	Date raised	Owner	Due	Comments and Updates
456	Open	Ofgem ECR team to be invited to a future Grid Code Review Panel to provide update around milestones	30/05/2024	GS/SC	Ongoing	An email was sent to all Grid Code Review Panel members with an energy code reform update.
465	Open	To provide a general update at a future Panel on the wider work going on in relation to Bilateral Embedded Generation Agreement (BEGA's)	26/09/2024	CN	March 2025	Awaiting outcome of GC0117. Due date updated to reflect current expected decision date.
467	Open – propose to close	SDS team to provide update including expectation required of the Panel	30/01/2025	GS	February 2025	A workshop has been set up for Panel members on <a href="#">12 March 2025</a> to cover the preliminary SDS and <a href="#">consultation</a> . A second workshop (also open to code parties) will take place on <a href="#">17 March 2025</a> for those who cannot attend the first workshop.

## Chair's Update



# Authority Decisions and Update (as at 19 February 2025)

## Decisions Pending

Modification	Final Modification Report Received	Expected Decision Date
<a href="#">GC0117: Improving transparency and consistency of access arrangements across Great Britain by the creation of a pan-Great Britain commonality of Power Station requirements</a>	14 May 2024	08 April 2025 (previously 25 March 2025)
<a href="#">GC0159: Introducing Competitively Appointed Transmission Owners</a>	31 December 2024	By end of February 2025 (previously 31 January 2025)
<a href="#">GC0172: Replacing references to Electricity Supply Industry Arbitration Association</a>	7 August 2024	By end of February 2025 (previously 12 February 2025)

## Received Final Modification Reports since last Panel Meeting

Modification	Final Modification Report Received	Expected Decision Date
<a href="#">GC0175: Removing references to “Fax” or “Facsimile” within the Grid Code</a>	10 February 2025	TBC

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

- Modification Timeline Update: GC0139: Enhanced Planning-Data Exchange to Facilitate Whole System Planning
- Modification Update: GC0155: Clarification of Fault Ride Through Technical Requirements
- Modification Title Update: GC0174: Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7
- Workgroup Consultation: GC0174: Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7



Public

# 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	Decision Date	Implementation Date
Previous timeline	19 February 2025	15 April 2025	06 May 2025	TBC	01 January 2026
New timeline	16 July 2025	17 September 2025	07 October 2025	TBC	01 January 2026

**Rationale:** Additional time required to review Workgroup Consultation responses and investigate whether implementation date is feasible for all parties. The subgroup will also be convening to review the legal text further.

**Workgroups Remaining: 2**

**Ask of Panel:** Agree revised timeline

# GC0155: Clarification of Fault Ride Through Technical Requirements Modification Update

Request for guidance on splitting the TOV element from GC0155 and creating a new modification.

## GC0155 – the asks of Panel

- **AGREE** that the TOV element of the Modification can be split out into a new Modification

# GC0155 Update and request for steer

- The Proposer's solution for GC0155 is largely complete and input within the Workgroup has been sought on specific elements to finalise ahead of Workgroup consultation.
- The Temporary Over-Voltage (TOV) aspect of the proposed solution has proven to be contentious, making it difficult to finalise this.
- Ofgem have further requested a cost benefit analysis (CBA) be carried out to support this aspect of the solution.
- We are looking to engage external consultants to address the TOV aspect of the solution.
  - This work should consider both the technical solution and cost implications in terms of both the investment requirements on the transmission system and the costs of achieving compliance on User equipment for the CBA
  - The consultant's work may involve considerations beyond the current solution for GC0155 including compliance demonstration requirements
  - The time to carry this work out is to be confirmed, but we expect a programme of at least 6 months
- We are proposing to split TOV into a separate modification:
  - The Workgroup is in general agreement on the remainder of the solution, which could progress through the code modification process at a faster pace
  - A separate modification for TOV could be raised at Panel in March with much of the work to date being used as a basis while the external consultants carry out their work
- While we recognise the elapsed time taken on this modification is a cause of frustration to all parties involved, the perceived benefits of our proposal are:
  - To progress the non-contentious elements at a greater pace
  - To give the necessary time and resource to provide the right solution for TOV
  - To provide a view on realistic risks of the solution with respect to TOV ride through requirements
- This Proposal is being discussed with the Workgroup on 26<sup>th</sup> February 2025, although historical opinion from Workgroup on whether TOV should be a separate modification is divided.
- We are looking for Panel's view and approval of this approach
  - The timeline for the revised GC0155 solution can be confirmed at the next panel meeting
  - Updates can also be provided on the progress with respect to engagement of external consultants for TOV

# GC0174: Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7 Modification Title Update

Title Change	
Current Title	Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7
New Title	Review of obligations to provide EU Transparency Availability Data as specified in OC2.4.7

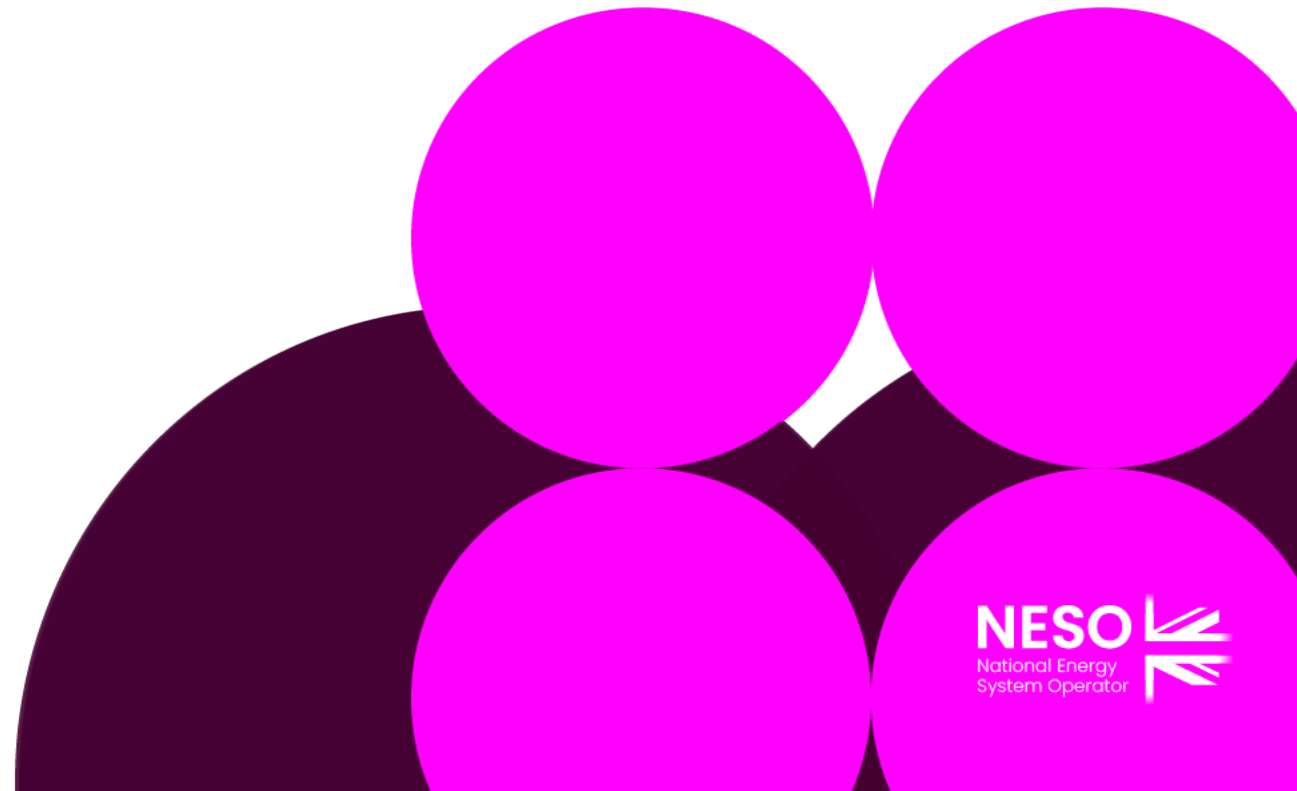
**Rationale:** The Workgroup believe that the new proposed title more accurately reflects the intent of the modification and solution.

**Ask of Panel:** Agree the Modification Title change

# Workgroup Consultation

GC0174: Removal of obligation to  
provide EU Transparency Availability  
Data as specified in OC2.4.7

Ren Walker (Workgroup Chair)





# Solution and Key Points

## **Solution:**

- To amend Grid Code Section OC2.4.7 as this is referencing the requirements to provide specific data detailed in Schedule 6 of the Data Registration Code (DRC) which is also being amended under this proposal.
- No Alternative Requests have been raised.

# GC0174 Asks of Panel

- **AGREE** that this Modification can proceed to Workgroup Consultation under GR.20.5
- **NOTE** that the Code Administrator will formally seek nominations again, under GR.20.5
- **AGREE** that if quoracy is not reached following nominations, that under GR.20.5, the Workgroup may continue as a Limited Membership Workgroup following the Workgroup Consultation.
- **NOTE** the ongoing timeline

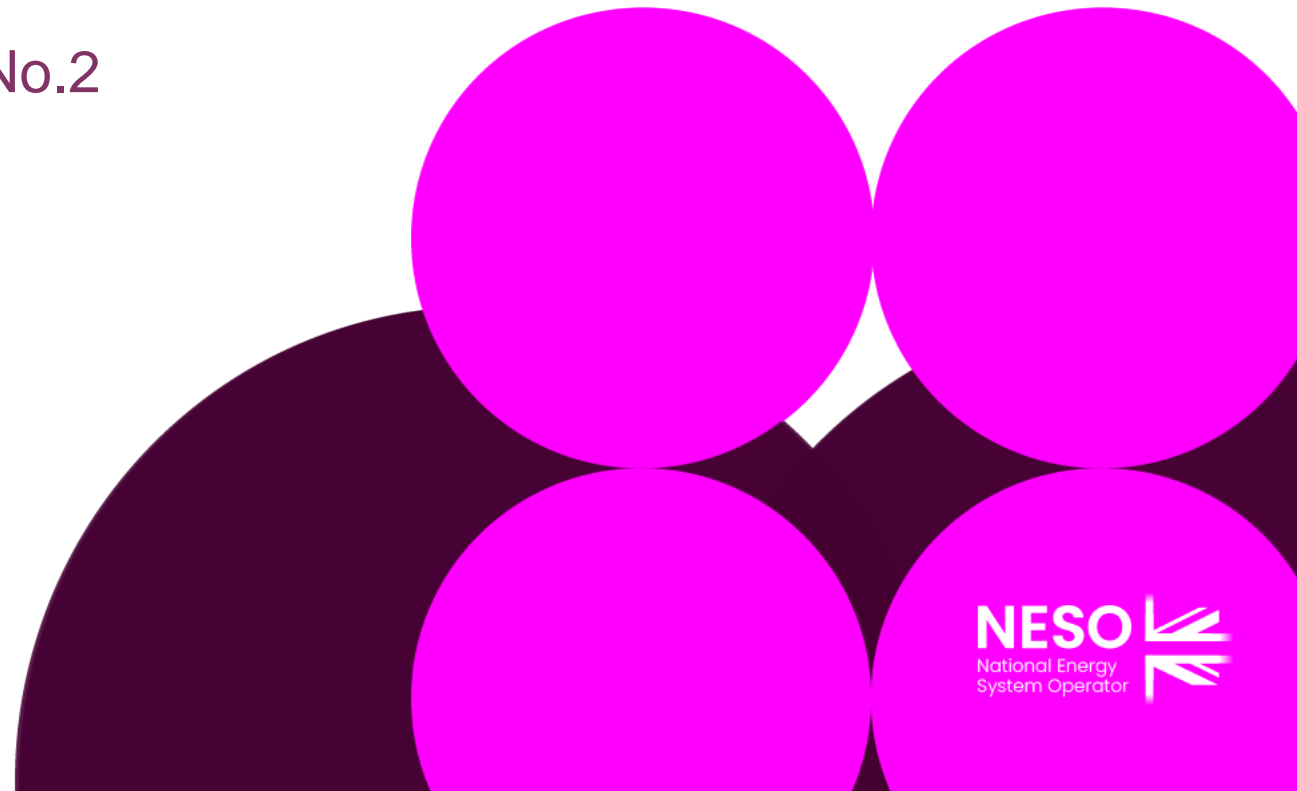
# GC0174 Next Steps

Milestone	Date
Workgroup Consultation	28 February 2025 to 5pm on 21 March 2025
Reopen Workgroup Nominations	28 February 2025 to 5pm on 21 March 2025
Workgroup meeting 4	08 April 2025
Workgroup Report issued to Panel	14 May 2025
Workgroup Report presented to Panel	22 May 2025
Code Administrator Consultation	29 May 2025 to 5pm on 30 June 2025
Draft Self Governance Modification Report issued to Panel	16 July 2025
Draft Self Governance Modification Report presented to Panel	24 July 2025
Final Self Governance Modification Report issued to Panel to check votes recorded correctly	29 July 2025 to 05 August 2025
Appeals Window (15 business days)	06 August 2025 to 5pm on 28 August 2025
Implementation Date	15 September 2025

# Draft Final Modification Report

GC0164: Simplification of Operating Code No.2

Lizzie Timmins



# Solutions

## **Solution:**

- This Modification seeks to simplify the text in Operating Code 2 (OC2) within the Grid Code to help Users identify and understand the obligations placed upon them.
- This is the first modification resulting from the Alignment, Simplification and Rationalisation Workstream (ASRW) of the Digitalised Whole System Technical Code project.
- As well as the changes to OC2, there are additional legal text changes within the Glossary and Definitions and Planning Code. Paragraph references to OC2 have also been updated within Operating Code 5, European Compliance Processes, Balancing Codes 1 and 2, General Conditions and Data Registration Code.



# Code Administrator Consultation Responses

## Summary of Code Administrator Consultation Responses:

Code Administrator Consultation was run from 02/12/2024 to 16/01/2025 and received 4 non-confidential responses (and 0 confidential responses). Key points were:

- Three respondents believed the Proposal better facilitates objective (e), with one respondent also noting benefits on objectives (a) and (c). One respondent noted that as no requirements are changing, there should be no effect on any of the Grid Code objectives.
- All four respondents supported the proposed implementation approach, and all noted that they preferred the Original solution to the Baseline.
- Three respondents raised issues with the modification legal text.
- Although an EBR impact was not highlighted through the Workgroup or Code Administrator Consultation, the Code Administrator has since identified minor changes to Balancing Code 1 and Balancing Code 2 to change paragraph references to OC2.
- Please see Annex 5 for a summary of legal text comments.

# 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 Chairman** 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 Chairman** 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 Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**;
- (iv) if a change is not required after consideration, the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**.

**Code Admin must present the proposed legal text changes**

**Panel have 3 choices:**

- **Agree the changes are typographical and instruct Code Admin to make the change under GR.22.4(i). Then we carry out Recommendation Vote; or**
  - **Agree the changes are not needed under GR.22.4(iv). Then we carry out Recommendation Vote; or**
- **Under GR.22.4(ii) Direct the Workgroup to review the changes or ask for a further Code Administrator Consultation to be issued**

# GC0164 Asks of Panel

- **AGREE** that some of the proposed changes to the legal text are not typographical and should be addressed through review with the Workgroup
- **EVALUATE** whether this Modification does impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code, under GR.18.9
- Do you have any comments as to whether or not the proposed changes concur with the EBR Article 3 Objectives?

## GR.18.9

The **Grid Code Review Panel** shall evaluate each **Grid Code Modification Proposal** and determine whether the **Grid Code Modification Proposal** constitutes an amendment to the **Regulated Sections** of the Grid Code and, if a change to the areas set out in Table 1 of the GR.B annex which details the **Regulated Sections**, its expected impact on the objectives of **Assimilated Law** (Commission Regulation (EU) 2017/2195) (and in the event of disagreement **The Company's** view shall prevail).

# Grid Code Self-Governance Criteria

<b>Self-Governance Criteria</b>	<p>A proposed <b>Modification</b> that, if implemented,</p> <ul style="list-style-type: none"><li>(a) is unlikely to have a material effect on:<ul style="list-style-type: none"><li>(i) existing or future electricity consumers; and</li><li>(ii) competition in the generation, storage, distribution, or supply of electricity or any commercial activities connected with the generation, storage, distribution or supply of electricity; and</li><li>(iii) the operation of the <b>National Electricity Transmission System</b>; and</li><li>(iv) matters relating to sustainable development, safety or security of supply, or the management of market or network emergencies; and</li><li>(v) the <b>Grid Code</b>'s governance procedures or the <b>Grid Code</b>'s modification procedures, and</li></ul></li><li>(b) is unlikely to discriminate between different classes of Users.</li><li>(c) other than where the modification meets the <b>Fast Track Criteria</b>, will not constitute an amendment to the <b>Regulated Sections</b> of the Grid Code.</li></ul>
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# EBR Article 3 Objectives

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

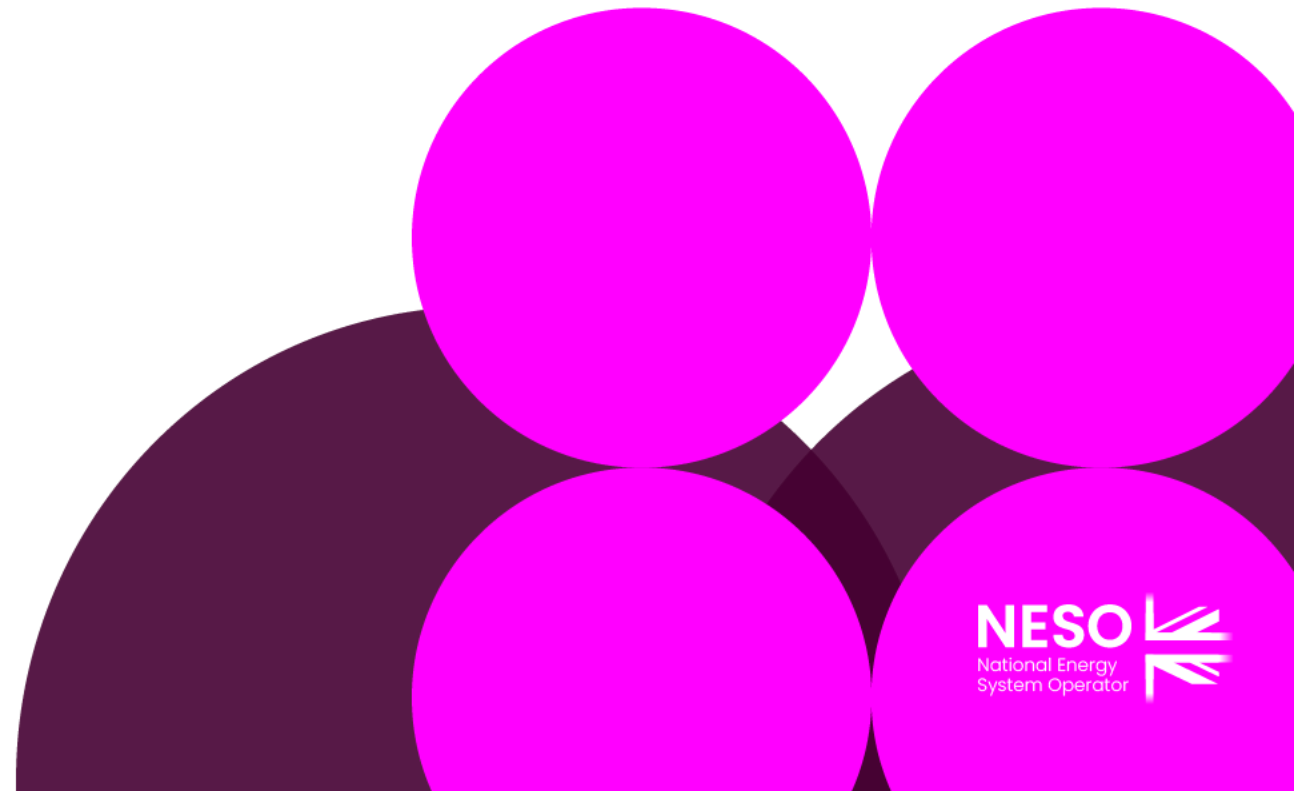
1. This Regulations aims at:

1. Fostering effective competition, non-discrimination and transparency in balancing markets;
2. enhancing efficiency of balancing as well as efficiency of national balancing markets;
3. integrating balancing markets and promoting the possibilities for exchanges of balancing services while contributing to operational security;
4. 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;
5. 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;
6. 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;
7. 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.



## Panel Tracker

Lizzie Timmins, Code Administrator



# Prioritisation Stack

Mod Number ▼	Previous Priority No: ▼	Priority No ▼	Title ▼
<b>GC0139</b>	<b>1</b>	<b>1</b>	<b>Enhanced Planning Data Exchange to Facilitate Whole System Planning</b>
<b>GC0155</b>	<b>2</b>	<b>2</b>	<b>Clarification of Fault Ride Through Technical Requirements</b>
<b>GC0166</b>	<b>3</b>	<b>3</b>	<b>Introducing new Balancing Programme Parameters for Limited Duration Assets</b>
<b>GC0176</b>	<b>4</b>	<b>4</b>	<b>Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code</b>
<b>GC0168</b>	<b>5</b>	<b>5</b>	<b>Submission of Electro Magnetic Transient (EMT) Models</b>
<b>GC0174</b>	<b>6</b>	<b>6</b>	<b>Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7</b>
<b>GC0169</b>	<b>7</b>	<b>7</b>	<b>Material changes identified from Grid Code Modification GC0136 and Consistency of requirements between the Connection Conditions and European Connection Conditions</b>
<b>GC0173</b>	<b>7</b>	<b>7</b>	<b>Consistency of Technical and Compliance Requirements between GB and European Users</b>
<b>GC0164</b>	<b>(7 before CAC)</b>	<b>(7 before CAC)</b>	<b>Simplification of Operating Code No.2</b>
<b>GC0103</b>	<b>8</b>	<b>8</b>	<b>The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes</b>
<b>GC0140</b>	<b>9</b>	<b>9</b>	<b>Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions</b>

# Grid Code Development Forum – Update

**Next GCDF will take place on Wednesday 5<sup>th</sup> March 2025**

- **Proposed Changes to User Data Submissions Feedback Period (STCP19-3)**

The team will review feedback provided at GCDF to agree a way forward

- **Changes to OC6 to allow for site protection of pre-designated protected customers for Automatic Low Frequency Demand Disconnection**

This received good feedback from stakeholders and the Proposer is working on raising a modification

- **Rationalising Balancing Code 4 (BC4) and Balancing Code 5 (BC5) from the Grid Code**

This modification is due to be raised in March 2025

## **Deadline for March Agenda items - 25 February 2025**

- Possible Grid Code Modification to add a new dynamic parameter - Actions that NESO could take to help improve dispatch efficiency and the experience of BM participants.
- Discussion regarding 95% compliance tests for Power Park Modules

**Presentation items and Minutes from the 05 February GCDF meeting can be found - [Here](#)**

## Standing Items

*Updates on all developments relevant to Grid Code Panel e.g. potential for future governance changes or modifications*

- Distribution Code Panel update (Alan Creighton)
- JESG Update (information only)
  - Previous meeting – 11 February 2025 [Meeting materials and Headline Report](#)
  - Next meeting – 11 March 2025

## Updates on other industry codes

23 January 2025 SQSS [Panel Papers and Headline Report](#)

29 January 2025 STC [Panel Papers and Headline Report](#)

31 January 2025 CUSC [Panel Papers and Headline Report](#)

14 February 2025 CUSC Special [Panel Papers and Headline Report](#)

14 February 2025 STC Special [Panel Papers and Headline Report](#)

The Authority have published a [consultation](#) on the connection reform (TMO4+) modifications.



# Challenges to Modification Progress

(February, May, August, November)

	November		December		January	
	Count	Mods Affected	Count	Mods Affected	Count	Mods Affected
Additional time required to review legal text	1	GC0139				
Analysis required which delayed solution	1	GC0155				
Resource constraints / quoracy issues	1	GC0174			1	GC0174

# Horizon Scan

(February, May, August, November)

Codes Affected	Legislative, Regulatory or Industry Change Overview	Published Content
Grid Code and DCode	<p>Digitalised Whole System Technical Code (dWSTC) will include 3 key workstreams; Alignment, Simplification &amp; Rationalisation; Training and Guidance and the Digitalisation of Grid Code.</p> <p><b>GC0164 is ongoing to simplify Operating Code 2. Further discussions will explore whether similar modifications should be raised for other sections of the Grid Code.</b></p>	<a href="#">dWSTC webpage</a>
Grid Code, CUSC and STC	<p>The Balancing Programme was established to develop the balancing capabilities that the Electricity National Control Centre needs to deliver reliable and secure system operation, facilitate competition everywhere and meet NESO's ambition for net-zero carbon operability. From BSC Issues Group: (relating to Optimisers giving instruction recommendations); Storage and Batteries (MDV and MDP) and the use of Faxes to instruct.</p> <p><b>GC0166 is ongoing to raise new Dynamic Parameters for BMU Storage Assets.</b></p> <p><b>The Final Modification Report for GC0175 was submitted to the Authority in February 2025; the associated CUSC modification has also been submitted, and the STCP modification is in progress.</b></p> <p><b>Discussions are ongoing with the Balancing Programme to ascertain further Code Change requirements.</b></p>	<a href="#">Balancing Programme website</a>
Grid Code, CUSC, SQSS and STC	<p>The Offshore Coordination Project has been set up by NESO with support from Ofgem and the Department for Business, Energy &amp; Industrial Strategy. Offshore wind has been identified as a critical technology in achieving net zero greenhouse gas emissions by 2050. In order to help realise this target, a step-change in both the speed and scale of deployment of offshore wind is required.</p> <p><b>Holistic Network Design work is ongoing, with monthly meetings occurring. Offshore Hybrid Assets work continues with Ofgem and DESNZ.</b></p> <p><b>NESO anticipate a minimum of 2 years for Code changes from the time of raising Code Modification Proposals.</b></p>	<a href="#">NESO Offshore Coordination Project Page</a>
Grid Code and STC	<p>GB Grid Forming - to provide the necessary guidance on the Compliance Process of Grid Forming technology following Grid Code Modification GC0137.</p> <p><b>Meetings with an Expert Group are ongoing and being held monthly. The Expert Group expects to make recommendations for suggested Grid Code changes ahead of raising Code Modification Proposals.</b></p>	<a href="#">GB Grid Forming Best Practice Guide</a>

# Electrical Standards – Update

Milestone	Date
Electrical Standards presented to Panel	30 January 2025
Panel Review (20 Business Days)	03 March 2025
Implementation Date	TBC

## Electrical Standards – the asks of Panel

- **FEEDBACK** any comments before 5pm on **03 March 2025**
- The Electrical Standards with comments will be tabled at the Panel meeting on 27 March 2025 for discussion.

## Code Administrator Update

- Report Template Refresh

# Report Template Refresh

Following feedback from industry and some learnings from Authority decisions, we will be updating our report templates.

Current Final Modification Report Template	New Final Modification Report Template
Contents	Contents
Exec Summary	Exec Summary
What is the issue? • Why change	What is the issue? • What is the defect this modification is addressing? • Why change?
What is the Solution • Proposer's Original Solution	Workgroup Discussion • Workgroup Discussion ahead of the Workgroup Consultation • Workgroup Consultation Summary • Workgroup Discussion after the Workgroup Consultation • Terms of Reference Overview • Consideration of other options
Workgroup Discussion • Consideration of the Proposer's solution • Workgroup Consultation Summary • Consideration of other options	What is the Solution • Proposer's Original Solution • Workgroup Alternative Solutions • Legal text
What is the impact of this change • Proposer's assessment against Code Objectives • Workgroup Vote • Code Administrator Consultation Summary • Panel Recommendation/ Determination Vote	What is the impact of this change • Proposed solutions assessment against Code Objectives • Workgroup Vote • Code Administrator Consultation Summary • Panel Recommendation/ Determination Vote
When will this change take place? • Implementation date • Date decision required by • Implementation approach	When will this change take place? • Implementation date • Date decision required by • Implementation approach
Interactions	Interactions
Acronyms, key terms and reference material	Acronyms, key terms and reference material

# Activities ahead of the next Panel Meeting

Grid Code Development Forum	05 March 2025
Modification Proposal Deadline for March Panel	12 March 2025
Papers Day	19 March 2025
Panel Meeting	27 March 2025 Teams



# Close

**Trisha McAuley**

Independent Chair, Grid Code Review Panel