

Public

Grid Code Review Panel

Thursday 27 March 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**.

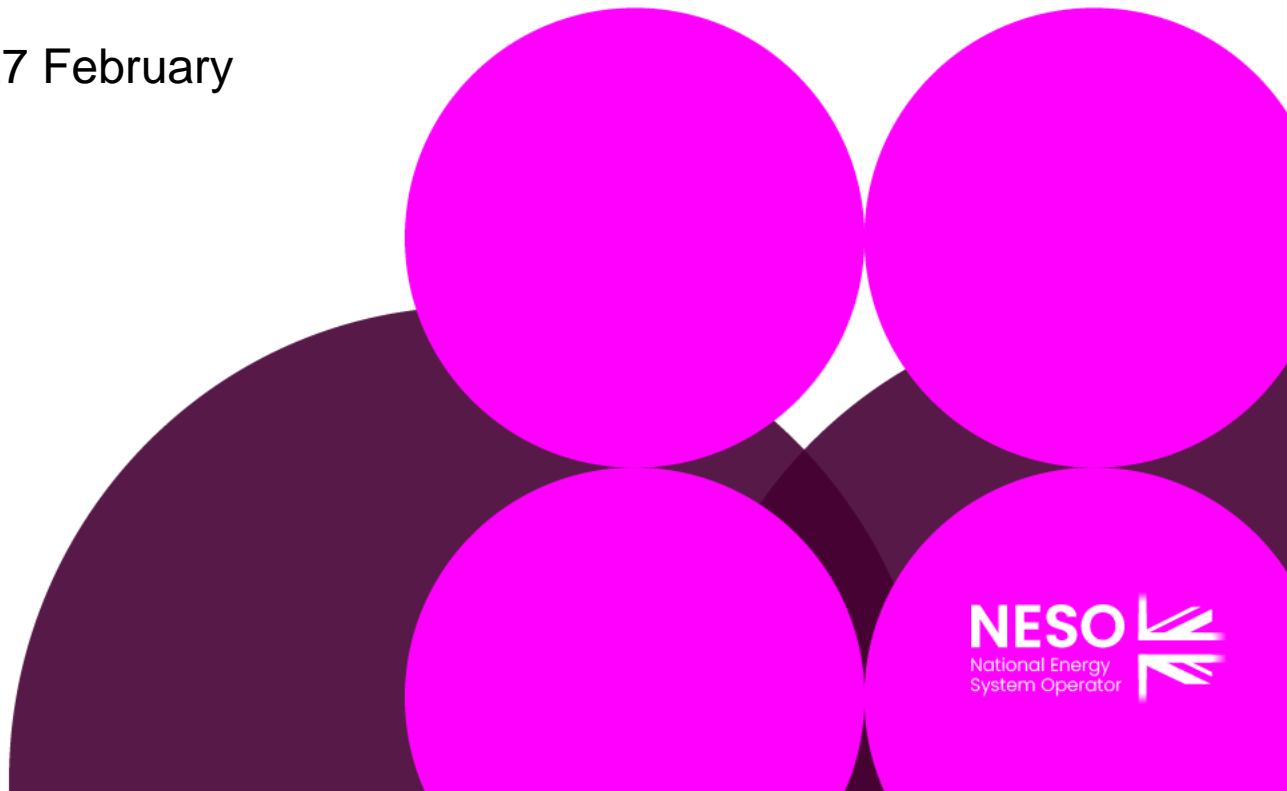
Duties of Panel Members & Alternates (GR.3.3)

- 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

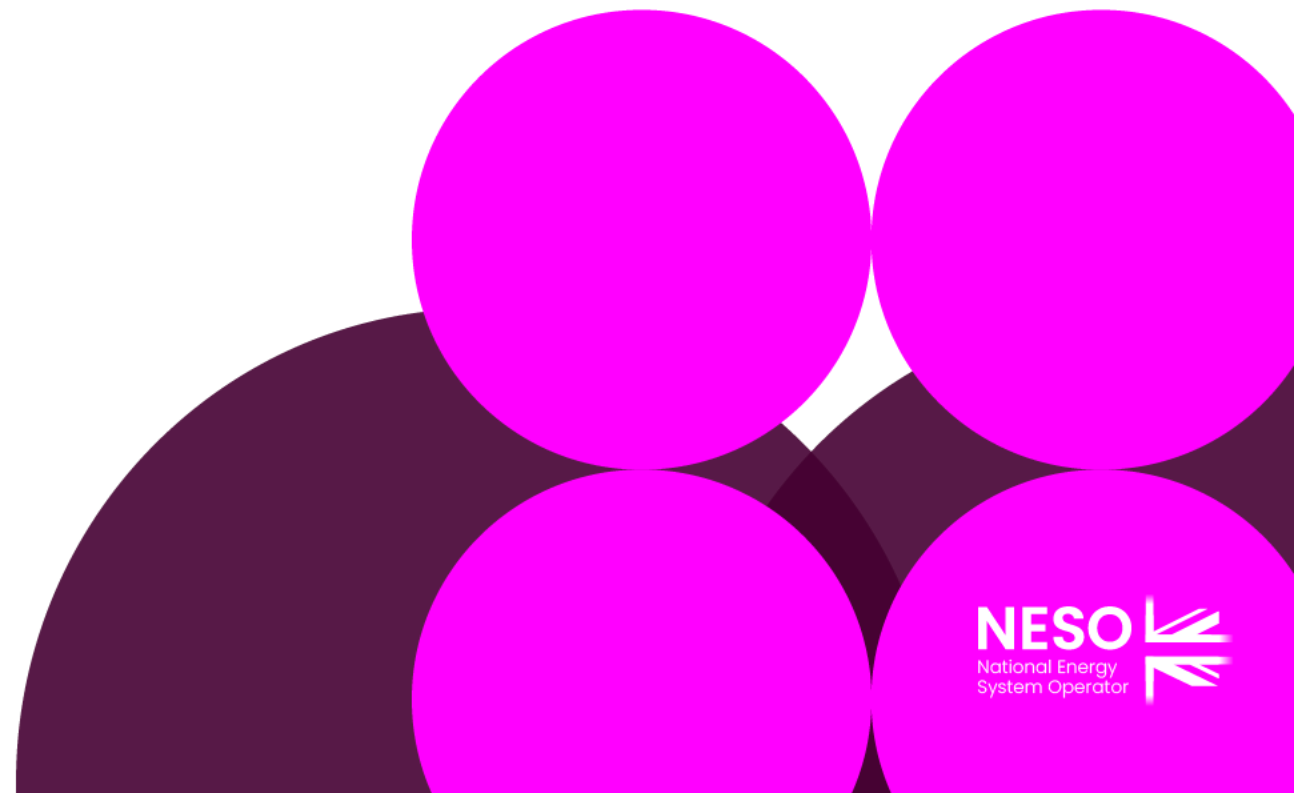
Approval of Panel Minutes from the Meeting held on 27 February 2025



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	At the February 2025 Grid Code Review Panel, the Chair asked that the Authority keep the Panel informed of the expectations of them during the transition to Energy Code Reform.
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	May 2025	Awaiting outcome of GC0117. Due date updated to reflect current expected decision date.

Chair's Update



Authority Decisions and Update (as at 19 March 2025)

Decisions Received since last Panel Meeting

Modification	Decisions	Implementation Date
GC0175: Removing references to “Fax” or “Facsimile” within the Grid Code	On 14 March 2025 the Authority approved the Original solution	28 March 2025

Decisions Pending

Modification	Final Modification Report Received	Expected Decision Date
GC0117: Improving transparency and consistency of access arrangements across Great Britain by the creation of a pan-Great Britain commonality of Power Station requirements	14 May 2024	07 May 2025
GC0159: Introducing Competitively Appointed Transmission Owners	31 December 2024	By end of March 2025
GC0172: Replacing references to Electricity Supply Industry Arbitration Association	07 August 2024	By end of March 2025

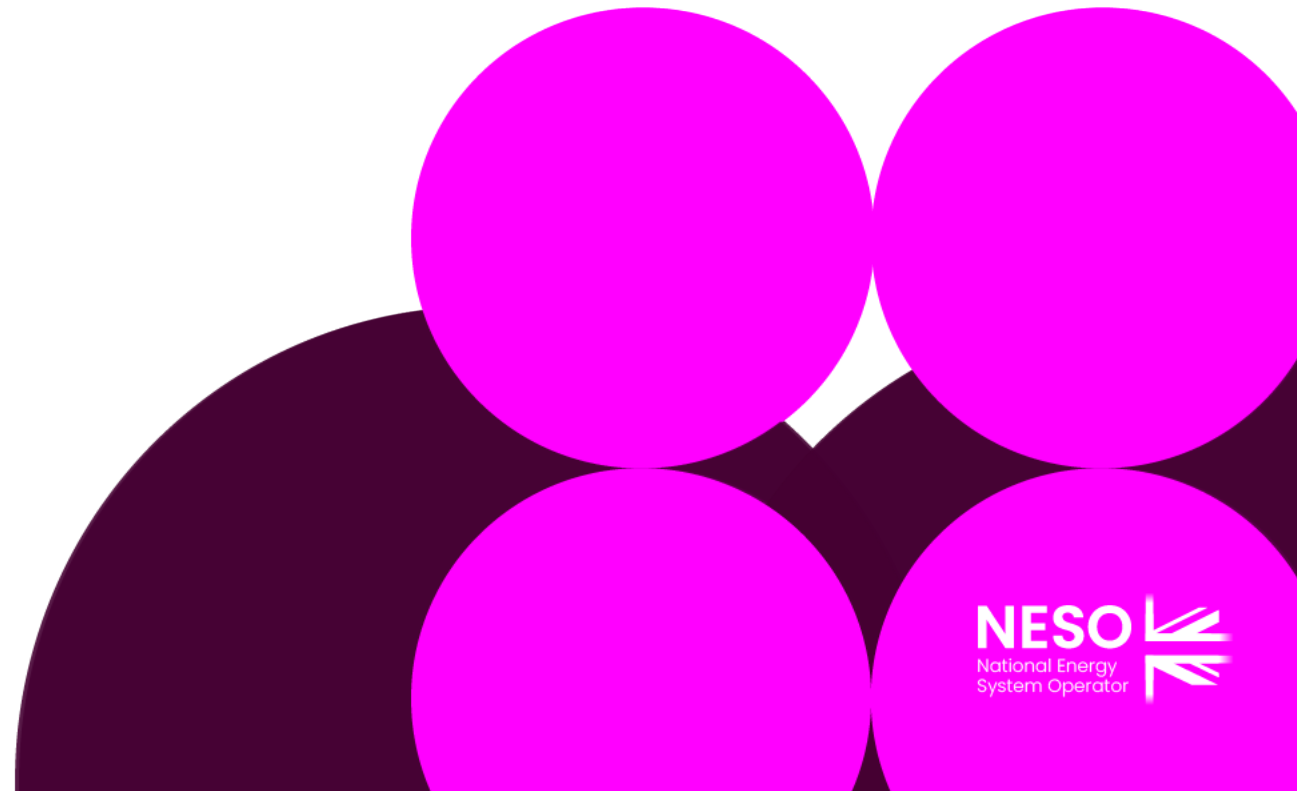
The Authority’s publication on decisions can be found on their website below:

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

New Modification

GC0178: Temporary Overvoltage -
Specification of Limits and Clarification of
Obligations

Bieshoy Awad / Graham Lear – NESO



GC0178 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
Requested minor changes throughout for clarity	Proposer accepted all amendments made by the Code Administrator
Requested further information on interactions	
Requested legal text on correct baseline	
Provided timeline	

GC0178 Temporary Overvoltage

Issue:

The Grid Code does not include specific limits on temporary overvoltage, and it does not explicitly specify requirements on how generation should respond during a temporary overvoltage event.

Solution:

Our proposal is to:

- Introduce a limit, both in terms of magnitude and duration, on temporary overvoltage following secured events.
 - This limit would need to be maintained by TOs in design timescales and by NESO in operational timescales.
- Clarify the requirements on how plant needs to perform during temporary overvoltage:
 - Reactive support
 - Ride through
 - Any other considerations
- Ensure the requirements apply to all generation plant, including what is already connected, but provide a mechanism to minimise, or delay, the impact on existing generation fleet.
- Consider how compliance with temporary overvoltage requirements applicable to generation plant would be assessed.

GC0178 Temporary Overvoltage

Engagement:

- Originally, temporary overvoltage was being considered as part of GC0155: Fault Ride Through.
 - It was felt that the solution for temporary overvoltage requirements was moving beyond the initial intent of GC0155 and slowing down the progress of this modification.
 - It was agreed at Grid Code Review Panel on 27 February 2025 to split temporary overvoltage into a separate modification.
 - As such a lot of engagement has already been had through GC0155 Workgroups, and the starting point of the solution will be the work to date from this modification.
 - GC0155 Workgroup members will be asked to join this Workgroup with additional Workgroup members from other interested industry parties.

Governance route:

- We believe the Standard Governance route to be appropriate for this modification:
 - The proposal has an impact on NESO, Generators, and TOs and needs to be refined with inputs from all affected parties.
 - Impact assessment and cost benefit analysis need to be informed by the industry.
 - The standard governance route is therefore appropriate to ensure the solution to this issue is properly thought out and assessed by industry.

GC0178 Proposed Timeline

Milestone	Date	Milestone	Date
Modification presented to Panel	27 March 2025	Code Administrator Consultation	09 November 2026 to 09 December 2026
Workgroup Nominations (20 business Days)	01 April 2025 to 01 May 2025	Draft Final Modification Report (DFMR) issued to Panel (5 business days)	20 January 2027
Workgroups 1-8	13 May 2025 25 June 2025 13 August 2025 23 September 2025 06 November 2025 15 December 2025 04 February 2026 18 March 2026	Panel undertake DFMR recommendation vote	28 January 2027
Workgroup Consultation (20 business days)	30 March 2026 to 29 April 2026	Final Modification Report issued to Panel to check votes recorded correctly	01 February 2027 to 08 February 2027
Workgroups 9-12	19 May 2026 01 July 2026 12 August 2026 23 September 2026	Final Modification Report issued to Ofgem	09 February 2027
Workgroup report issued to Panel (5 business days)	21 October 2026	Ofgem decision	TBC
Panel sign off that Workgroup Report has met its Terms of Reference	29 October 2026	Implementation Date	10 Business Days after Authority Decision

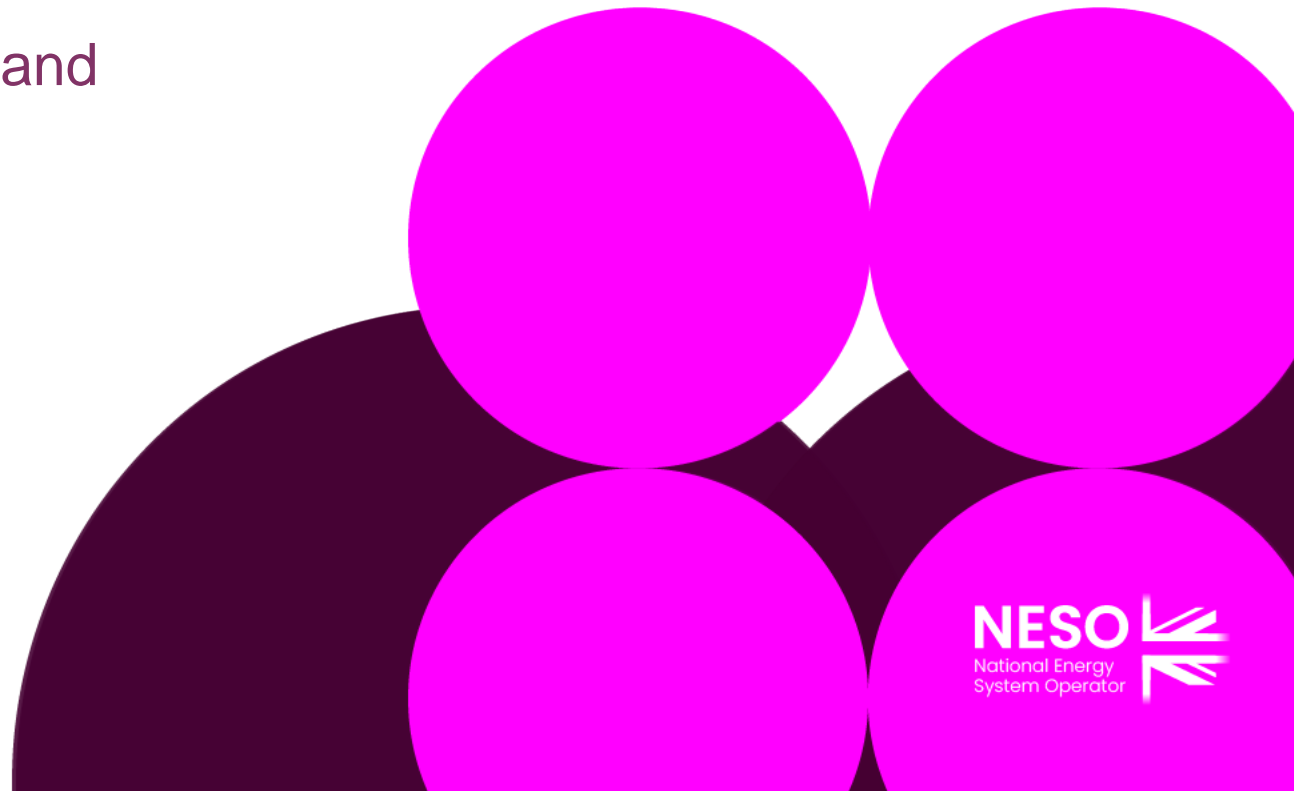
GC0178 Asks of Panel

- **AGREE** that this Modification has a clearly defined defect and scope
- **AGREE** that this Modification should follow Standard Governance (Ofgem decision) rather than the Self-Governance Criteria (Panel decision)
- **AGREE** that this Modification should proceed to Workgroup
- **AGREE** Workgroup Terms of Reference
- **NOTE** that there appear not to be any impacts on the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the proposed timeline

New Modification

GC0179: Removal of Balancing Code No.4 and Balancing Code No.5 from the Grid Code

Jay Chandarana - NESO



GC0179 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
Requested minor changes throughout for clarity	Proposer accepted all amendments made by the Code Administrator
Requested further information on interactions	
Requested legal text on correct baseline	
Suggested typographical amendments to legal text	
Provided timeline	

The Issue and Proposed Next Steps

Brexit

- The Final Trade and Cooperation Agreement (TCA) meant that GB participation as a third country to exchange Replacement Reserves (RR) using TERRE in the way it was currently envisaged is not permitted. TERRE is likely to be retired soon.
- BC4 and BC5 are therefore not applicable as they were originally intended
- Both sections are therefore redundant.

Next Steps

- To maintain an accurate Grid Code, it is proposed to remove BC4 and BC5 and all references to them from the Grid Code because they are not currently applicable and are redundant. References to TERRE in the Glossary and Definitions will also be removed.
- The information will be archived, in case elements of it might be needed if GB were to re-join the EU at some point in the future and if TERRE were to be resurrected.

Governance

Our recommendation: NESO would like to propose a Grid Code modification and for it to go straight to Code Administrator Consultation.

BC4 and BC5 are referenced in the Mapping of Electricity Balancing Regulation Article 18 Terms and Conditions for Balancing Service Providers and Balancing Responsible Parties to the Grid Code, and are considered to be Regulated Sections.

Ask of Panel:

- Is this the correct Governance route?

GC0179 Proposed Timeline

Milestone	Date
Modification presented to Panel	27 March 2025
Code Administrator Consultation (1 calendar month)	02 April 2025 to 02 May 2025
Draft Final Modification Report (DFMR) issued to Panel (5 business days)	14 May 2025
Panel undertake DFMR recommendation vote	22 May 2025
Final Modification Report issued to Panel to check votes recorded correctly	27 May 2025 to 03 June 2025
Final Modification Report issued to Ofgem	04 June 2025
Ofgem decision	TBC
Implementation Date	10 Business Days following Decision

GC0179 Asks of Panel

- **AGREE** that this Modification has a clearly defined defect, scope and solution
- **AGREE** that this Modification should follow Standard Governance (Ofgem decision) rather than the Self-Governance Criteria (Panel decision)
- **AGREE** that this Modification should proceed to Code Administrator Consultation
- **NOTE** that there appear to be impacts on the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the proposed timeline

Inflight Modification Updates

- Modification Timeline Update: GC0103: The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes.
- Modification Timeline and Terms of Reference Update: GC0155: Clarification of Fault Ride Through Technical Requirements
- Modification Terms of Reference Update: GC0176: Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code

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	Decision Date	Implementation Date
Previous timeline	23 August 2023	19 January 2023	TBC	TBC	TBC
New timeline	16 July 2025	17 September 2025	03 October 2025	TBC	TBC

Rationale:

GC0103 Workgroup members could not agree to proceed with the principle without the confidence that a harmonised RES would be possible.

The three TOs took on an action to carry out a further assessment of what harmonisation of the three sets of Electrical Standards would mean.

They went beyond just assessing and proceeded to identify and contract a third-party consultant who commenced work on developing a draft harmonised version of the existing Electrical Standards (RESs).

The procurement process, three TO internal governance arrangements and sign-offs, drafting the harmonised electrical standard, reviewing and agreeing on it took several months to deliver.

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	Decision Date	Implementation Date
Previous timeline	20 November 2024	19 February 2025	12 March 2025	TBC	10BD following Decision
New timeline	17 September 2025	03 December 2025	22 December 2025	TBC	10BD following Decision

Rationale: Following separation of the TOV element of this modification the updated timeline shows timeline to progress GC0155.

Workgroups Remaining: 4

Ask of Panel: Agree revised timeline

GC0155: Clarification of Fault Ride Through Technical Requirements Terms of Reference Update

The Proposer believes the Workgroup Terms of Reference can remain the same following the removal of the Temporary Overvoltage element of the modification from the scope, as the Workgroup have fully considered this part of the Terms of Reference.

Workgroup Terms of Reference	
	Changes and clarifications to the existing Grid Code Fault Ride Through (FRT) requirements specifically but not limited to consideration of the following areas:
e)	<div><div>i.</div><div>ii.</div><div>iii.</div><div>iv.</div></div> <div>Clarify instances where User plant is required to trip in order to clear transmission system faults</div> <div>Amending requirements for generating maximum reactive current during faults where these may be unachievable for some generators</div> <div>Amending post-fault active power requirements to consider whether generators at low load may have greater levels of oscillation than permitted</div> <div>To consider clarifying and or defining requirements for over-voltage during a fault</div>
f)	Consider and address any cross-code impacts on other codes especially Distribution Code (e.g. G99 requirements)

Grid Code - the asks of Panel

•**AGREE** the Terms of Reference do not need to be amended

GC0176: Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code Request to change Terms of Reference

The Workgroup would like reflect the following within their Terms of Reference:

Workgroup Terms of Reference	
e)	Consider the implications for Network Operators (DNO/iDNO's) of the modification proposal, including the design and implementation of the Demand Control Rotation Restoration Protocol;
f)	Consider how the Demand Control Rotation Restoration Protocol (DCRP) will be instructed;
g)	Consider the ownership and governance of the Demand Control Rotation Restoration Protocol;
h)	Review the proposal to ensure there are no unintended consequences with other aspects of OC6; for example, overlap and / or interaction between OC6 demand control / disconnection blocks, LFDD blocks and Demand Control Rotation Restoration Protocol rotation blocks.

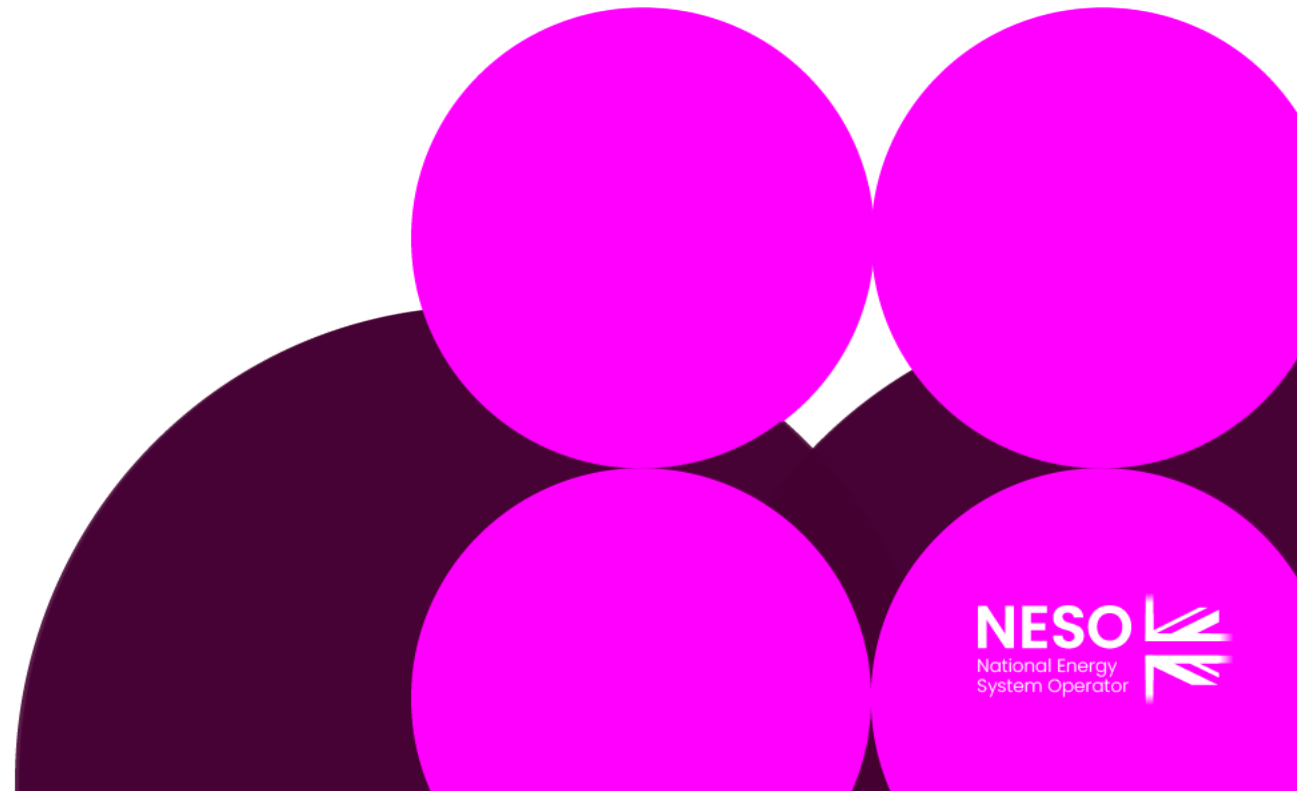
Grid Code - the asks of Panel

- AGREE** the amended points within Terms of Reference

Draft Final Modification Report

GC0177: Planning and Operational
Compliance Contacts

Lizzie Timmins



Solution

This modification will mandate the submission of Planning and Operational Compliance contact details by Users as part of the Compliance Process and Compliance Repeat Process.

NESO's Network Access Planning requires Planning contacts from Users to liaise with impacted stakeholders and share formal outage notifications with them. This is a requirement under Special Licence Condition 2.5.

NESO also requires contacts to assist with post-event investigations who can assist with accessing ASM and DSM data.

By integrating the requirements into CC.5.2.1/ECC.5.2.1 and CP.8.2/ECP.8.2 these requirements will be captured by existing, well-established processes and as such this is anticipated to be a non-material change.

Code Administrator Consultation Responses

Summary of Code Administrator Consultation Responses:

Code Administrator Consultation was run from 04/02/2025 to 04/03/2025 and received 1 non-confidential response and 0 confidential responses. Key points were:

- The Respondent supported the proposed implementation approach and believes the Proposed solution better facilitates objectives A, C and D.
- No legal text issues were raised.

GC0177 Asks of Panel

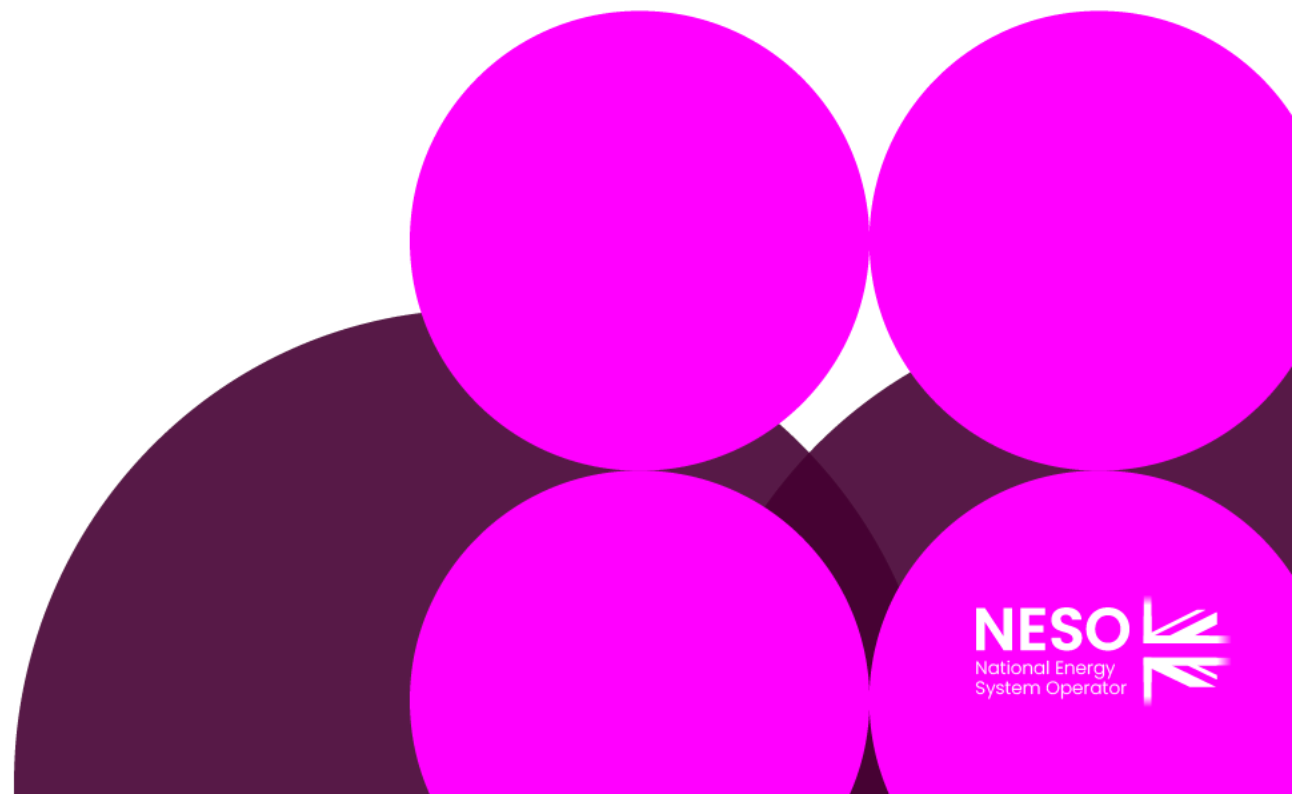
- **NOTE** that this Modification does not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **VOTE** whether or not to implement
- **NOTE** that the legal text will be rebaselined onto I6R29 ahead of sending to the Authority
- **NOTE** next steps

GC0177 Next Steps

Milestone	Date
Final Self Governance Modification Report issued to Panel to check votes recorded correctly (5 business days)	01 April 2025
Appeals Window (15 business days)	09 April 2025 to 5pm on 02 May 2025
Implementation Date (5 business days after closure of Appeals Window)	19 May 2025

Panel Tracker

Lizzie Timmins, Code Administrator



Prioritisation Stack

Mod Number	Previous Priority No:	Priority No	Title
GC0139	1	1	Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0155	2	2	Clarification of Fault Ride Through Technical Requirements
GC0166	3	3	Introducing new Balancing Programme Parameters for Limited Duration Assets
GC0176	4	4	Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code
GC0168	5	5	Submission of Electro Magnetic Transient (EMT) Models
GC0174	6	6	Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7
GC0169	7	7	Material changes identified from Grid Code Modification GC0136 and Consistency of requirements between the Connection Conditions and European Connection Conditions
GC0173	7	7	Consistency of Technical and Compliance Requirements between GB and European Users
GC0164	(7 before CAC)	8	Simplification of Operating Code No.2
GC0103	8	9	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0140	9	10	Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions

Grid Code Development Forum – Update

The meeting on 05 March 2025 was cancelled due to a lack of agenda items.

The next meeting is scheduled for 02 April 2025, with the following items to be discussed:

- Presentation: Overview of challenges that have been faced in recent Grid Code modifications and the impacts and areas for improvement.
- Presentation: 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.
- Presentation: Discussion regarding 95% compliance tests for Power Park Modules

Deadline for April Agenda items - 24 March 2025

Final Agenda items TBC.

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)

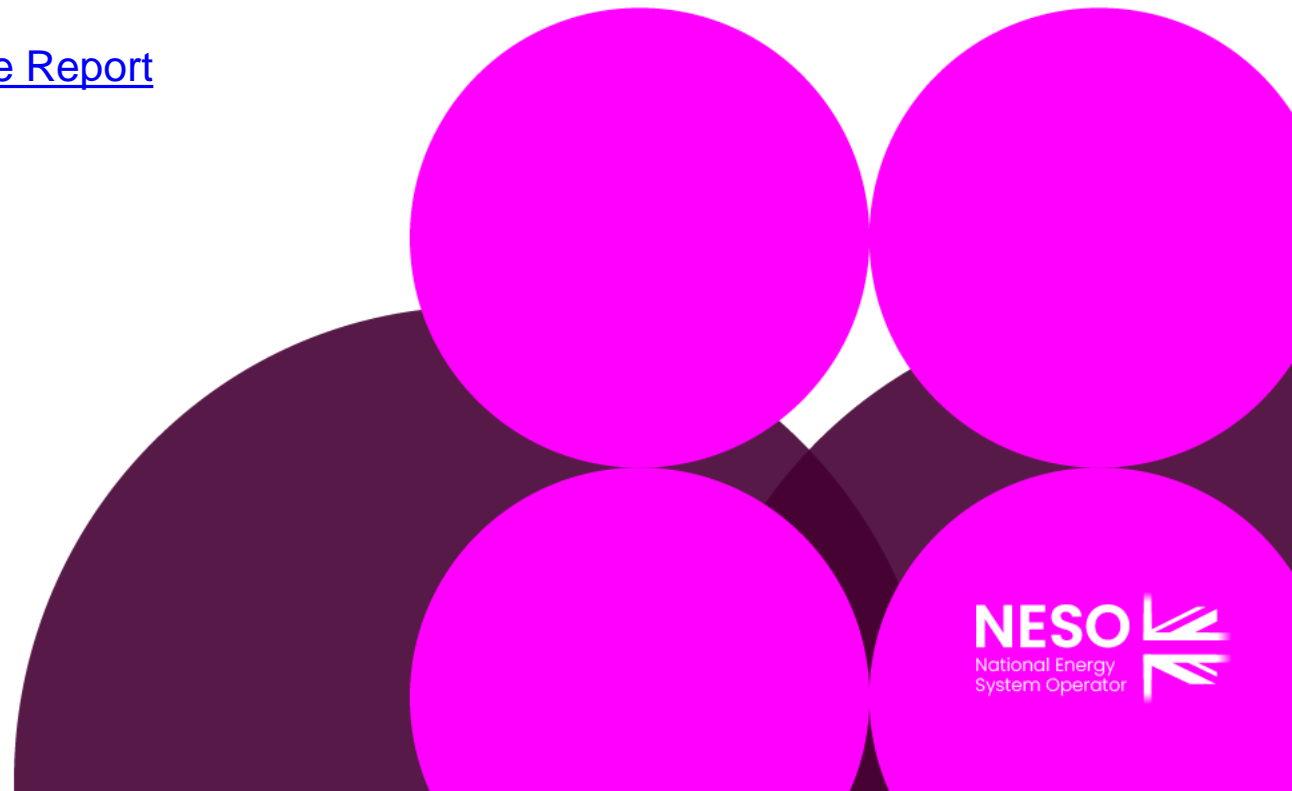
Previous meeting – 11 March 2025 [Meeting materials and Headline Report](#)

Next meeting – 08 April 2025

Updates on other industry codes

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

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



Electrical Standards

Discussion on the following Electrical Standards, where comments were received during the Panel review period:

- Electronic Data Transfer (EDT) Interface Specification
- Communications Standards
- EDL Message Interface Specification
- System Defence Plan
- System Restoration Plan
- Control Telephony Standard

Grid Code - the asks of Panel

- **AGREE** that the Electrical Standards documents can be implemented on 10 April

Code Administrator Update

Digital Code Update – Teri Puddefoot

Activities ahead of the next Panel Meeting

Grid Code Development Forum	02 April 2025
Modification Proposal Deadline for April Panel	14 April 2025
Papers Day	23 April 2025
Panel Meeting	01 May 2025 Faraday House

Close

Trisha McAuley

Independent Chair, Grid Code Review Panel