

Public

Grid Code Review Panel

Thursday 22 May 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**.

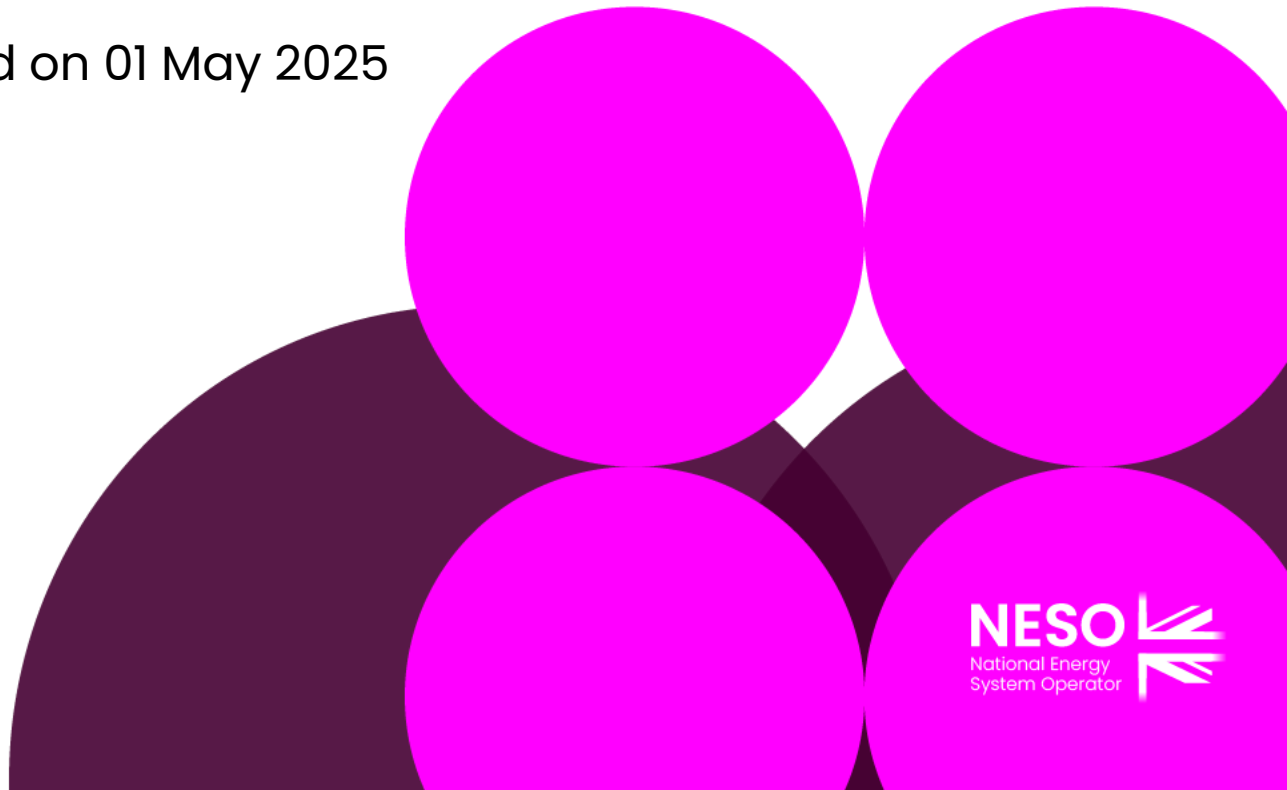
Duties of Panel Members & Alternates (GR.3.3)

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

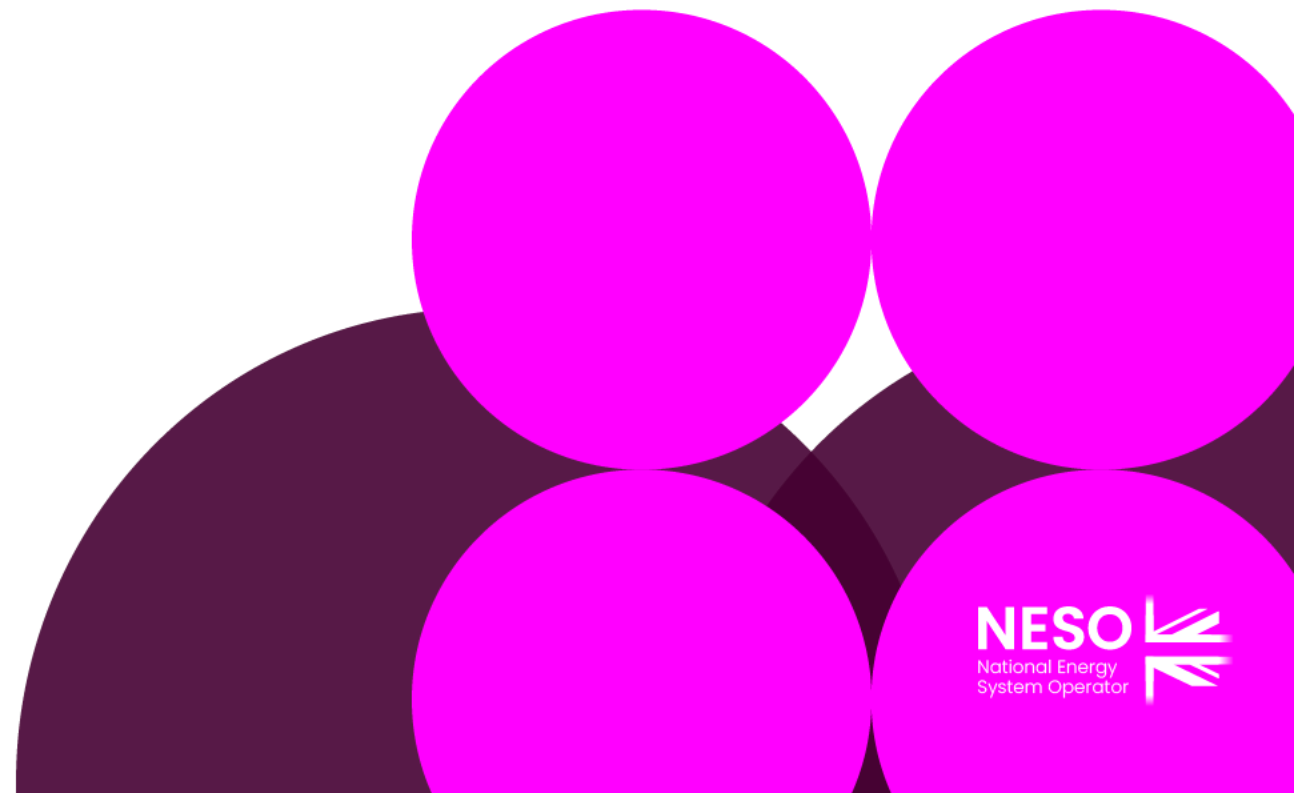
Approval of Panel Minutes from the Meeting held on 01 May 2025



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 Agreements (BEGA's)	26/09/2024	CN	June 2025	Awaiting outcome of GC0117. Due date updated to reflect current expected decision date.

Chair's Update



Authority Decisions and Update

Awaiting decision on [GC0117: Improving transparency and consistency of access arrangements across Great Britain by the creation of a pan-Great Britain commonality of Power Station requirements](#) which was submitted to Ofgem on 14 May 2024, with an expected decision date of 30 May 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>

Inflight Modification Updates

- Modification Timeline Update: GC0139: Enhanced Planning-Data Exchange to Facilitate Whole System Planning
- Modification Timeline Update: GC0179: Removal of Balancing Code No.4 from the Grid Code

GC0139: Enhanced Planning–Data Exchange to Facilitate Whole System Planning

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem	Decision Date	Implementation Date
Previous timeline	19 February 2025	16 April 2025	06 May 2025	TBC	10 Business Days after Decision
New timeline	16 July 2025	17 September 2025	05 October 2025	TBC	10 Business Days after Decision

Rationale: To allow further development to the legal text following consultation.

Workgroups Remaining: 2

Ask of Panel: Agree timeline for GC0139

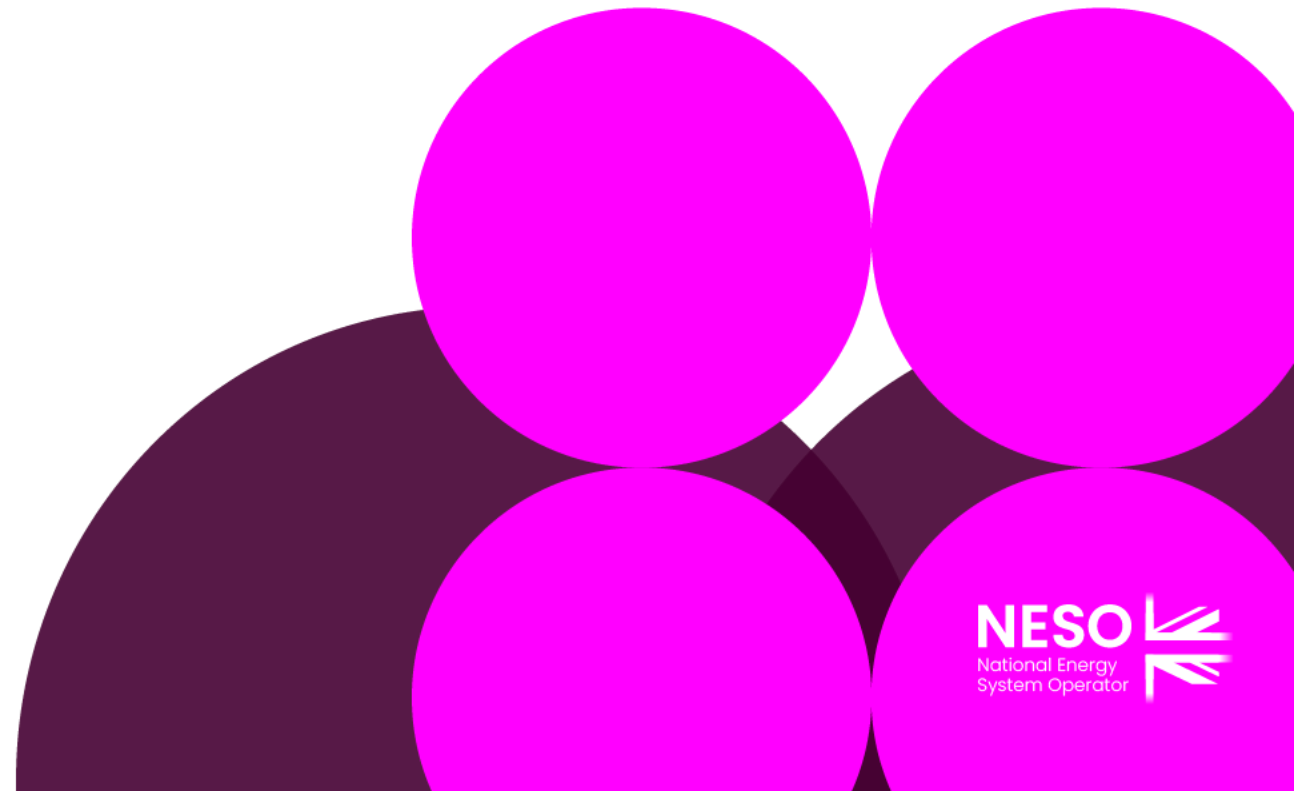
GC0179: Removal of Balancing Code No.4 from the Grid Code Timeline Update

Milestone	Date
Workgroup Nominations	06 May 2025 to 28 May 2025
Workgroup 1	12 June 2025
Workgroup 2	08 July 2025
Workgroup Consultation (15 Business Days)	14 July 2025 to 04 August 2025
Workgroup 3	19 August 2025
Workgroup report issued to Panel (5 Business Days)	17 September 2025
Panel sign off that Workgroup Report has met its Terms of Reference	25 September 2025
Code Administrator Consultation (1 calendar month)	30 September 2025 to 30 October 2025
Draft Final Modification Report (DFMR) issued to Panel (5 Business Days)	19 November 2025
Panel undertake DFMR recommendation vote	27 November 2025
Final Modification Report issued to Panel to check votes recorded correctly	02 December 2025 to 09 December 2025
Final Modification Report issued to Ofgem	10 December 2025
Ofgem decision	TBC
Implementation Date	10 Business Days after Authority Decision

Ask of Panel: Agree timeline for GC0179

Panel Modification Tracker

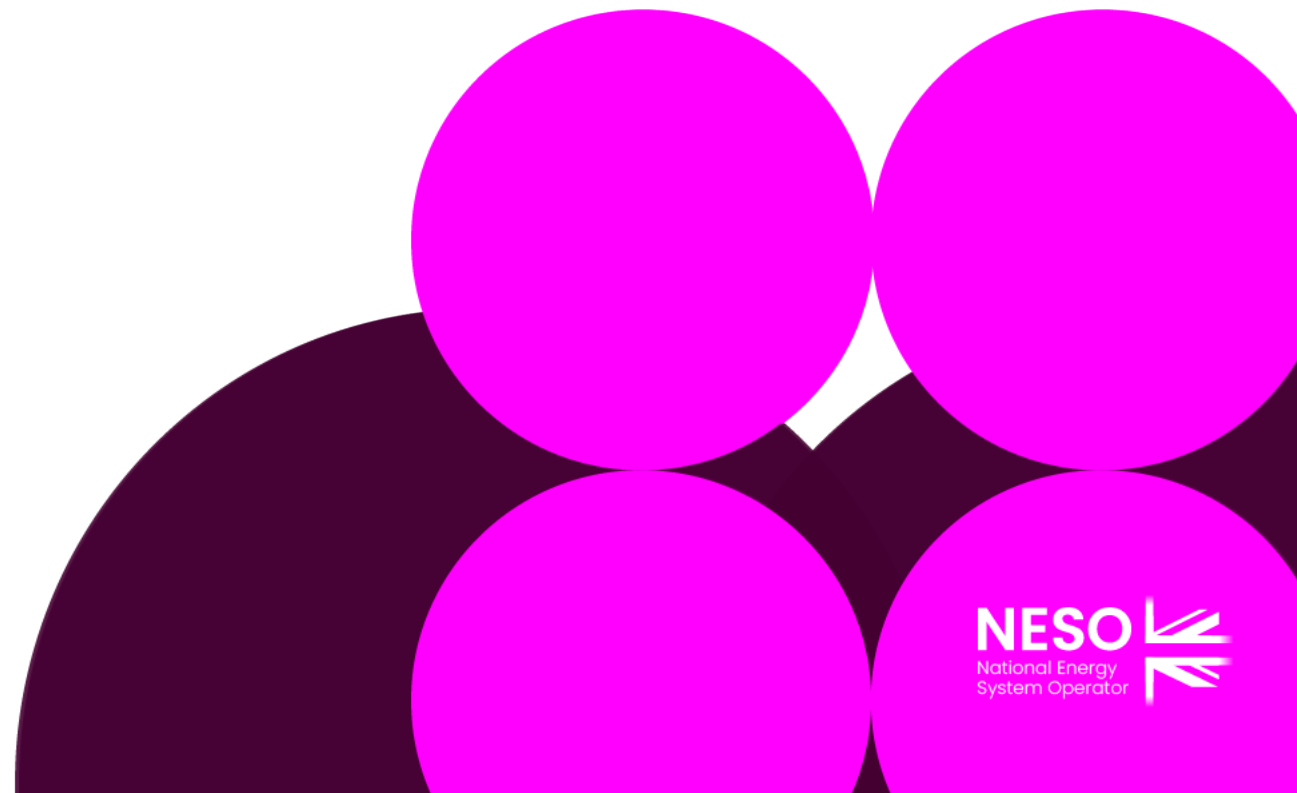
Lizzie Timmins, Code Administrator



Workgroup Report

GC0168: Submission of Electro
Magnetic Transient (EMT) Models

Kat Higby (Workgroup Chair)



Key points to note

- There will be a future CUSC modification raised relating to cost recovery
- There is an associated STC modification ([CM097](#)), which is currently in Workgroup phase
- There is an STCP Modification being raised at the May STC Panel proposing to introduce a new procedure to govern the interactions between The Company and relevant Transmission Owners (TOs) relating to the exchange of RMS and EMT models

Solution and Workgroup Vote

Solution:

- The proposed solution is to mandate the collection of the EMT models from certain Users. These models will feed into a wider GB Model enabling investigations, post fault studies and planning studies. This will help to enable safe and reliable operation of the system and enhance the security of GB electricity supply.

Summary of Workgroup Vote:

- Out of the 6 votes, the Workgroup concluded by majority that the Original better facilitated the Applicable Objectives than the Baseline. No alternatives were raised.

Option	Number of voters that voted this option as better than the Baseline
Original	5

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 8, Page 12
b) Review draft legal text;	Page 8, Page 14, Annex 3
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	Page 8
d) Consider EBR implications	Page 9
e) Consider a cost recovery mechanism to receive the model data required to share with a CUSC Workgroup.	Page 8, Page 12
f) Consider the use/introduction into the Legal Text of generator classifications types C, D as opposed to Medium and Large.	Page 9
g) Consider approach on collecting models and reference to published guidance/phased application of approach.	Page 9
h) Consider codifying the list of Users who are required to submit EMT models.	Page 10, Annex 4
i) Consider the scenario where a User is unable to provide an EMT model	Page 10

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
j) Consider whether there is a need for any consequential changes to the DCode and / or DCUSA.	Page 11
k) Consider whether there is a need to obtain EMT models from medium power stations embedded in distribution networks and, if so, the mechanism for engaging with the host DNO and the Generator and the process to be followed in the event that the Generator is unable to provide the EMT models or would incur significant costs in doing so.	Page 10
l) Consider if we are reflecting international practice including observation of the modelling developments proposed for RfG 2.0 and HVDC 2.0	Page 11

GC0168 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 not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the ongoing timeline

GC0168 Next Steps

Milestone	Date
Code Administrator Consultation (1 calendar month)	04 June 2025 to 5pm on 04 July 2025
Draft Final Modification Report issued to Panel	17 July 2025
Draft Final Modification Report presented to Panel	24 July 2025
Final Modification Report issued to Panel to check votes recorded correctly (5 Business Days)	29 July 2025 to 05 August 2025
Submission of Final Modification Report to Ofgem	07 August 2025
Ofgem decision date	In line with CUSC modifications CM097 and future CUSC modification relating to cost recovery.
Implementation Date	In line with CUSC modifications CM097 and future CUSC modification relating to cost recovery.

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 (before CAC)	Introducing new Balancing Programme Parameters for Limited Duration Assets
GC0176	4	3	Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code
GC0178	5	4	Temporary Overvoltage – Specification of Limits and Clarification of Obligations
GC0168	6	5	Submission of Electro Magnetic Transient (EMT) Models
GC0174	7	6	Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7
GC0169	8	7	Material changes identified from Grid Code Modification GC0136 and Consistency of requirements between the Connection Conditions and European Connection Conditions
GC0173	8	7	Consistency of Technical and Compliance Requirements between GB and European Users
GC0164	9	8	Simplification of Operating Code No.2
GC0103	10	9	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0179	N/A	10	Removal of Balancing Code No.4 from the Grid Code
GC0140	11	11	Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions

Grid Code Development Forum – Update

The GCDF meeting on 07 May covered the following topics:

- **Presentation: Code Administrator Update**
Further to feedback from the April GCDF this update will become a standing agenda item.
- **Presentation: Modelling Requirements for Co-located Sites Update:**
An update from the recent GCDF presentations on the subject
- **Presentation: EMT Model Development**
A brief update on the GB-wide EMT model development and GC0168
- **Presentation: EMT Modelling GC0141 and GC0168**

Presentation items and Minutes from the 07 May GCDF meeting can be found [here](#)

Next GCDF will take place on Wednesday 04 June 2025

Deadline for June Agenda items – 26 May 2025

Final Agenda items TBC.

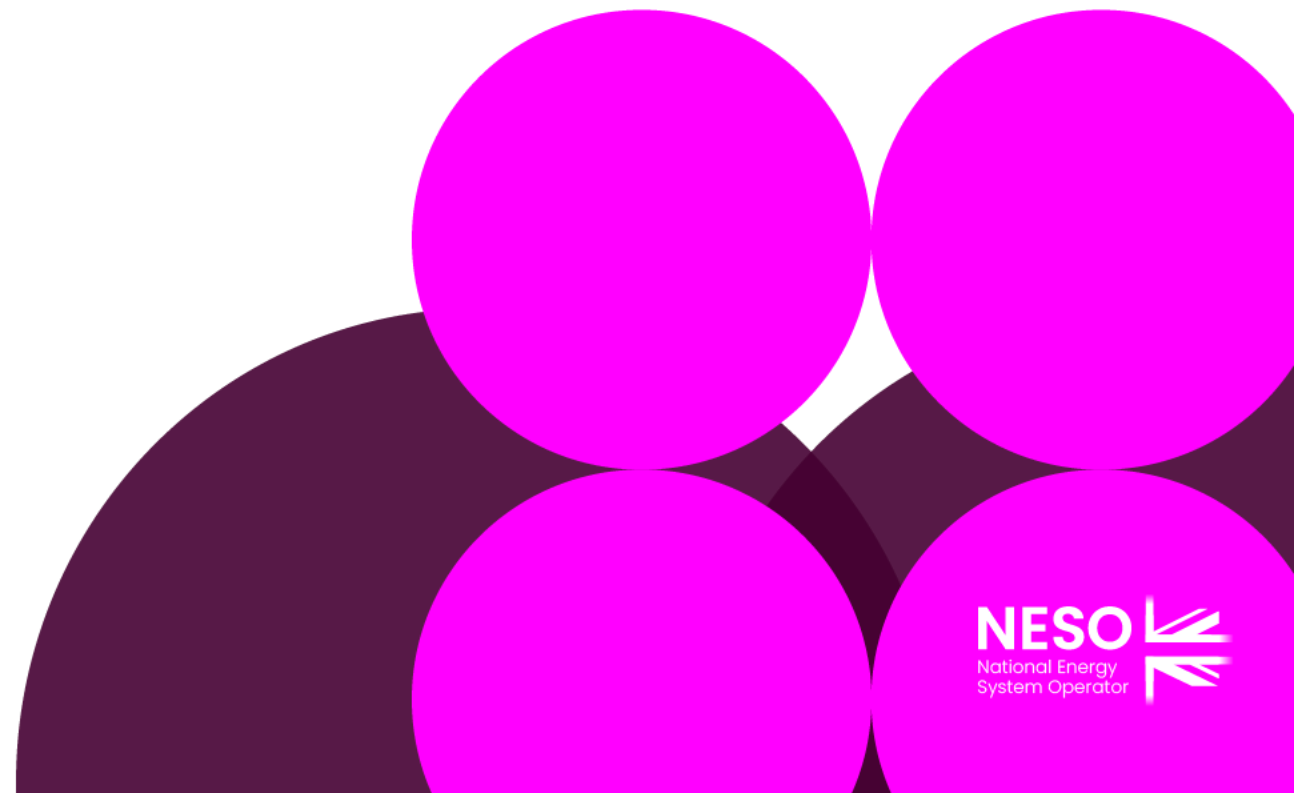
Standing Items

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 – 13 May 2025 (cancelled)
 - Next meeting – 10 June 2025

Updates on other industry codes

02 May 2025 CUSC [Panel Papers and Headline Report](#)



Challenges to Modification Progress

(February, May, August, November)

	February		March		April	
	Count	Mods Affected	Count	Mods Affected	Count	Mods Affected
Additional time required to review Workgroup Consultation responses	1	GC0139				
Assessment required by consultants			1	GC0103		
Modification complexity			1	GC0155		
Delay due to Governance uncertainty					1	GC0174

Horizon Scan

(February, May, August, November)

Codes Affected	Legislative, Regulatory or Industry Change Overview	Published Content
Grid Code and DCode	Digitalised Whole System Technical Code (dWSTC) will include 3 key workstreams; Alignment, Simplification & Rationalisation; Training and Guidance and the Digitalisation of Grid Code. GC0164 is ongoing to simplify Operating Code 2. The Proposer and Workgroup are working on legal text feedback prior to a Second Code Administrator Consultation.	dWSTC webpage
Grid Code, CUSC and STC	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. GC0166 is ongoing to raise new Dynamic Parameters for BMU Storage Assets. Currently at Code Administrator Consultation. Ongoing liaison with Balancing Programme to ascertain further Code Change requirements Fax Machines: - STC Mod CM099 Replacement of Fax Machines: Implemented on 30 April 2024. - Grid Code Mod GC0175 Replacement of Fax Machines Mod: Implemented on 28 March 2025. - STCP Mod PM0144 Fax Machine (and e-mail): Implemented on 17 April 2025. - CUSC Mod CMP443 Fax Machine Mod: Implemented on 28 March 2025.	Balancing programme
Grid Code, CUSC, SQSS and STC	The Offshore Coordination Project has been set up by NESO with support from Ofgem and the Department for Business, Energy & 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. Holistic Network Design work is ongoing, with currently approximately monthly meetings. A successful and well-received in-person HND meeting was held with OEMs on 20/03/25 (next meetings scheduled for 28/05 and 25/06). Offshore Hybrid Assets (OHA) work continues with Ofgem / DESNZ. We anticipate minimum 2 years for Code changes (from the time of initiating Mods).	NESO Offshore Coordination Project Page
Grid Code and STC	GB Grid Forming - to provide the necessary guidance on the Compliance Process of Grid Forming technology following Grid Code Modification GC0137. The first meeting of an Expert Group was held on 24/09/2024 and meetings are being held approximately every month. The Expert Group will make recommendations for suggested Grid Code changes ahead of raising a formal change.	GB Grid Forming Best Practice Guide
	Replacement of Fax machines in the NESO Control Room - STC Mod CM099 Replacement of Fax Machines: Implemented on 30 April 2024. - Grid Code Mod GC0175 Replacement of Fax Machines Mod: Implemented on 28 March 2025. - STCP Mod PM0144 Fax Machine (and e-mail): Implemented on 17 April 2025. - CUSC Mod CMP443 Fax Machine Mod: Implemented on 28 March 2025.	Grid Code (GC) GC0175: Removing references to "fax" or "facsimile" within the Grid Code

Activities ahead of the next Panel Meeting

Grid Code Development Forum	04 June 2025
Modification Proposal Deadline for June Panel	11 June 2025
Papers Day	18 June 2025
Panel Meeting	26 June 2025 Teams

Close

Trisha McAuley

Independent Chair, Grid Code Review Panel