

Public

Grid Code Review Panel

Thursday 28 November 2024

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
24 October 2024

Public

Action Log

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	October 2024	<p>As of July 2024, the ECR team do not yet have an update to provide. This is anticipated to follow in a couple of months.</p> <p>GS has had a conversation with ECR team, and they do not have any updates currently. As and when there is something to present the ECR team will approach GCRP and book a slot to come to the panel.</p>
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	January 2025	CN spoke to the Commercial team, who advised in terms of timing, the New Year might be best. Also waiting until we know the outcome of GC0117.
459	Open-Propose to close	Process flow for new sections in code created that may fall into EBR	30/05/2024	SWr	October 2024	<p>Terms of Reference templates updated to reflect Electricity Balancing Regulation consideration as standard for all modifications.</p> <p>SWr was unable to attend the October GCRP so will join the November meeting.</p>

Chair's Update

Authority Decisions and Update (as of 28 November 2024)

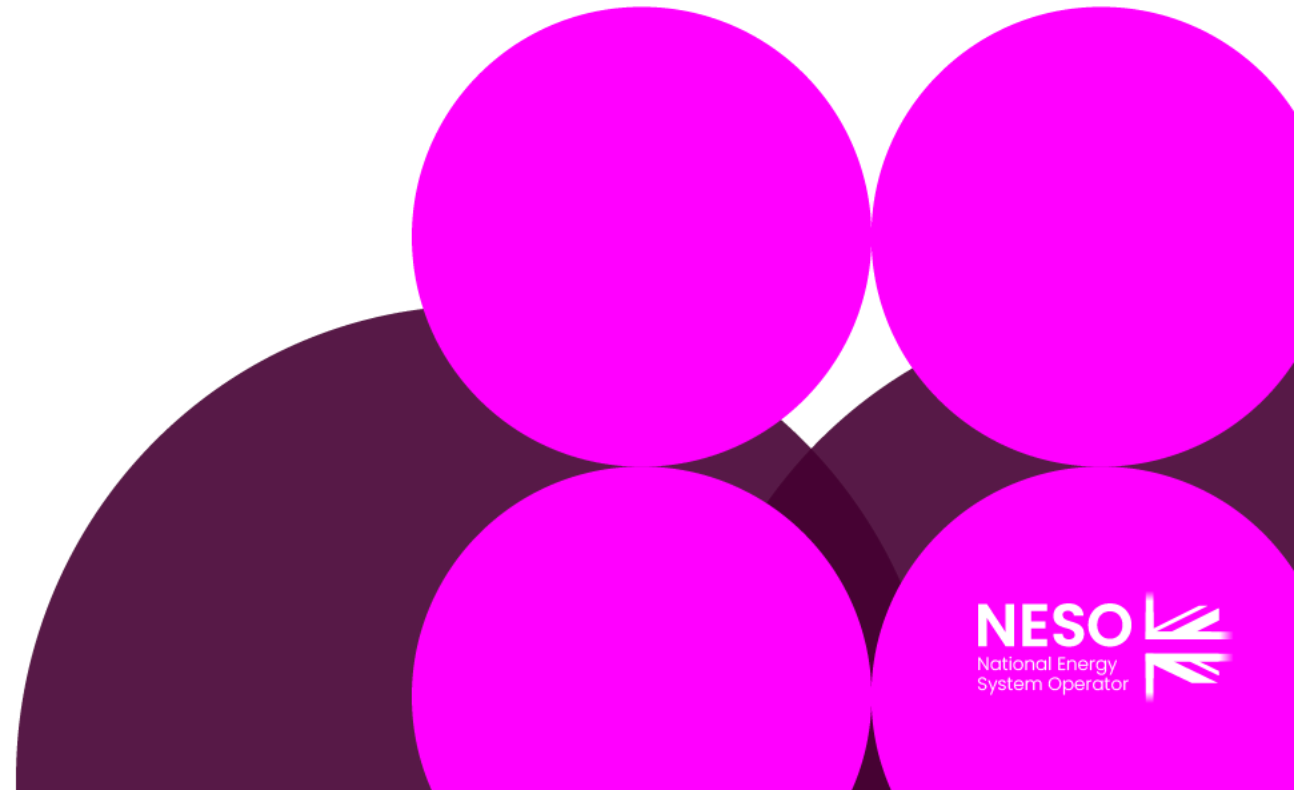
Decisions Pending

Modification	Final Modification Report Received	Expected Decision Date
GC0117: Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Station requirements	14 May 2024	06 December 2024
GC0172: Replacing References to Electricity Supply Industry Arbitration Association	07 August 2024	06 December 2024

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

Sarah Carter, 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	Implementation Date
Previous timeline	22 January 2025	19 March 2025	18 April 2025	TBC
New timeline	19 February 2025	16 April 2025	06 May 2025	TBC

Rationale:

Further time was required to allow Workgroup sufficient time to review the proposed legal text before going out to Code Administrator Consultation on 06 December 2024.

Workgroups Remaining: 1

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	Implementation Date
Previous timeline	20 November 2024	19 February 2025	12 March 2025	TBC
New timeline	TBC	TBC	TBC	TBC

Rationale: Additional time is required to develop the solution. Next Workgroup is on 22 December.

Workgroups Remaining: TBC

Ask of Panel: Agree revised timeline

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

	Workgroup Report issued to Panel	DFMR (SG) issued to Panel	FMR (SG) issued to Panel	Implementation Date
Previous timeline	27 February 2025	14 April 2025	24 April 2025	16 June 2025
New timeline	24 April 2025	20 June 2025	04 July 2025	16 August 2025

Rationale: New Proposer assigned, and their availability differs from the schedule initially agreed.

Workgroups Remaining: 2

Ask of Panel: Agree revised timeline

Panel Tracker

**Sarah Carter,
Code
Administrator**

Public Prioritisation Stack

Mod Number	Previous Priority No:	Priority No	Title
GC0159	(1 before 2nd CAC)	(1 before 2nd CAC)	Introducing Competitively Appointed Transmission Owners
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
GC0168	4	4	Submission of Electro Magnetic Transient (EMT) Models
GC0174	5	5	Removal of obligation to provide EU Transparency Availability Data as specified in OC2.4.7
GC0169	6	6	Material changes identified from Grid Code Modification GC0136 and Consistency of requirements between the Connection Conditions and European Connection Conditions
GC0173	6	6	Consistency of Technical and Compliance Requirements between GB and European Users
GC0164	7	7	Simplification of Operating Code No.2
GC0103	8	8	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0140	9	9	Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions

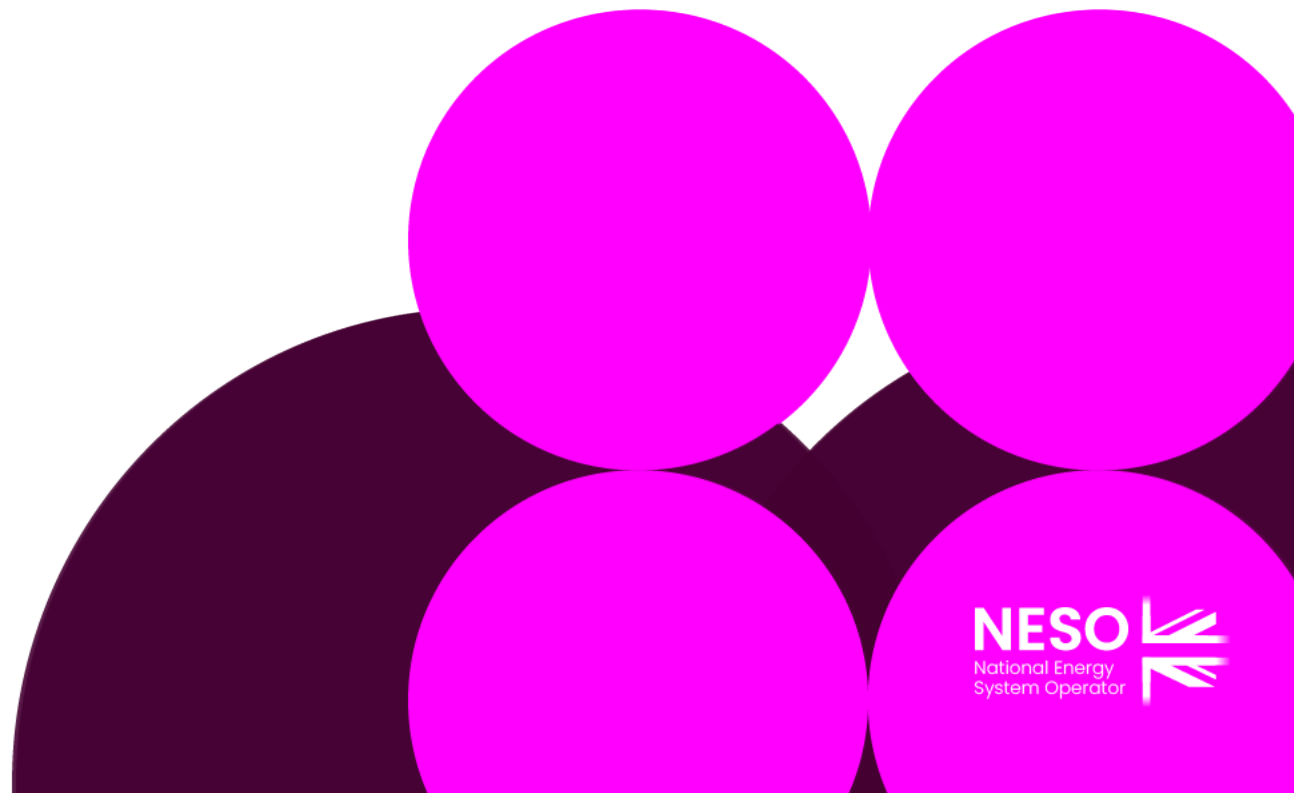
Section GR3.2 (b) Without prejudice, the Grid Code Review Panel shall endeavour at all times to operate. (i) in an efficient, economical and expeditious manner, taking account of the complexity, importance and urgency of particular Grid Code Modification Proposals. (ii) and with a view to ensuring that the Grid Code facilitates achievement of the Grid Code Objectives.

Complexity	The defect addressed by the proposed has implications for many different areas of the energy system which need to be taken into consideration throughout the process. The technical complexity and cross code impact of the modification will most likely require significant use of industry time and a higher than average number of workgroups to conclude the process.
Importance	The perceived value & risk associated with the proposed modification. The value / risk could be considered from a number of different perspectives i.e. financial / regulatory / licence obligations both directly for customer and end consumers more generally.
Urgency	A proposed modification which requires speedy consideration within the code governance process, as well as the timescales for implementation within the respective code.

Workgroup Report

GC0164: Simplification of Operating Code No.2

Prisca Evans/Claire Gault



Solution(s) and Workgroup Vote

Solution/summary of solutions:

GC0164 seeks to help Users to clearly identify and understand their obligations under Operating Code No.2 (OC2) by making it more accessible, easy to navigate and understand. This is the first modification resulting from the Alignment, Simplification and Rationalisation Workstream (ASRW) of the Digitalised Whole System Technical Code project.

Summary of Workgroup Vote:

GC0164 Workgroup members concluded unanimously that the Original better facilitated the Applicable Objectives 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;	Post Workgroup Consultation discussions Page 8
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;	Post Workgroup Consultation discussions Page 9
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	Post Workgroup Consultation discussions Page 9
d) Consider implications to sections linked to the Regulated Sections of the Grid Code	Post Workgroup Consultation discussions Page 9
e) Consider whether the proposed redrafted OC2 is easier for stakeholders to read and understand and that the existing obligations on all parties set out in the current OC2 version have been retained.	Post Workgroup Consultation discussions Page 10
f) Consider whether it is appropriate to have two sets of Grid Code definitions, one set to use with OC2 and a second (existing) set to be used for all other parts of the Grid Code.	Workgroup Consideration Page 7 Post Workgroup Consultation discussions Page 10
g) Workgroup to assess and form a view whether there are material changes or not to the modification.	Post Workgroup Consultation discussions Page 10

GC0164 – 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 not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the ongoing timeline

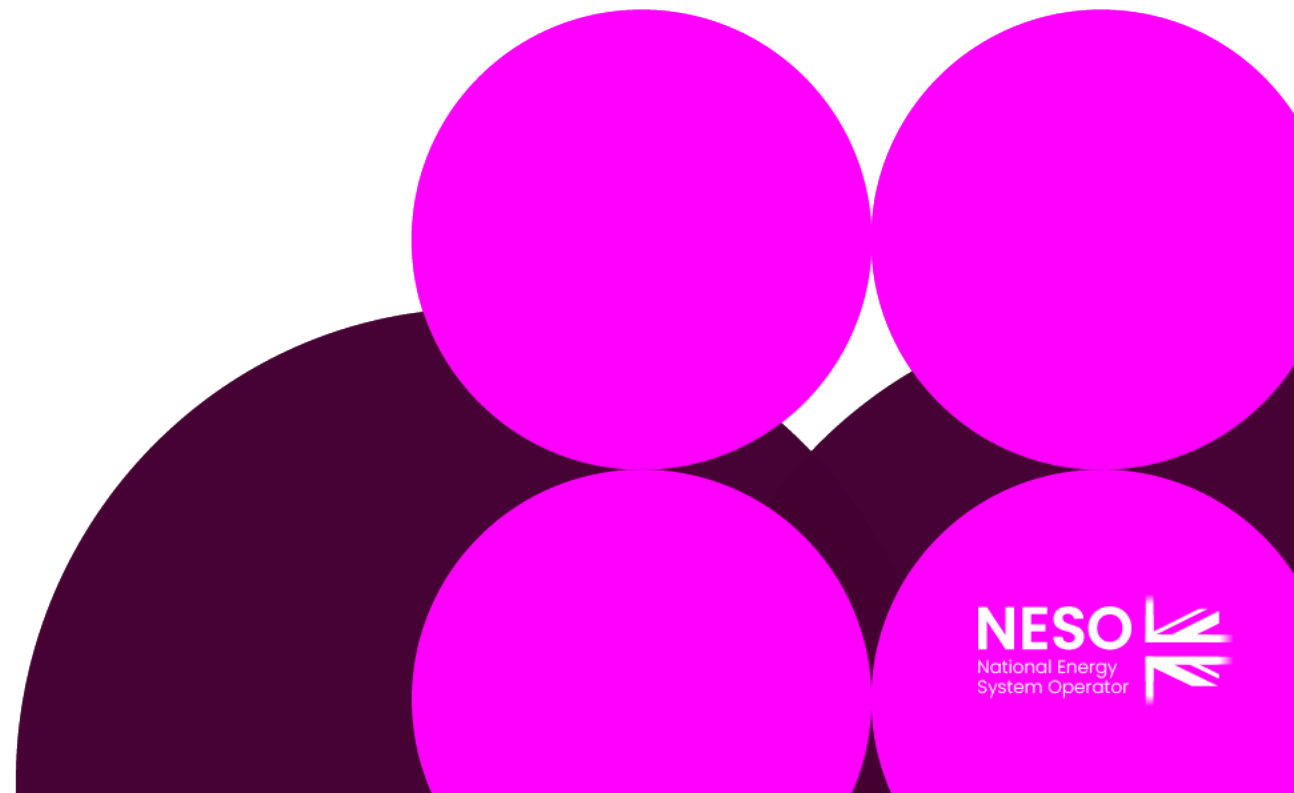
GC0164 Next Steps

Milestone	Date
Code Administrator Consultation (1 month)	02 December 2024 to 5pm on 02 January 2025
Draft Self Governance Modification Report issued to Panel	22 January 2025
Draft Self Governance Modification Report presented to Panel	30 January 2025
Final Self Governance Modification Report issued to Panel to check votes recorded correctly (5 business days)	03 February 2025
Appeals Window (1 month)	14 February 2025 to 14 March 2025
Implementation Date (5 business days after closure of Appeals Window)	21 March 2025

Draft Final Modification Report

GC0159: Introducing Competitively Appointed
Transmission Owners

Sarah Carter, Code Administrator



Solution

- The modification aims to introduce the concept of Competitively Appointed Transmission Owners (CATOs) to the Grid Code to enable Onshore Network Competition for the design, build and ownership of Onshore Transmission assets.
- The Workgroup discussed the proposed changes to the definitions of Relevant Transmission Licensee and Transmission Interface Circuit.
- One Workgroup member raised concerns on how CATO Relevant Electrical Standards (RES) documents would be defined and maintained, noting that lack of sight of CATO RES documents could create uncertainty for procuring generating plant.
- NESO advised that the creation of CATO RES documents would be addressed outside the scope of GC0159.
- A Workgroup Member noted a possible cost reduction for consumers if the RES was limited and the RES were harmonised across all TOs including CATOs.
- The Workgroup reviewed and accepted the updates to the legal text.

Code Administrator Consultation Responses

Summary of Second Code Administrator Consultation Responses :

- The second Code Administrator Consultation was run from 24 September 2024 to 24 October 2024 and received 2 non-confidential response Key points were:
- Proposed typographical amendments in the glossary and Definitions
- A query raised regarding which technical and design standard apply to the Competitively Appointed Transmission System
- This modification forms part of a suite of modifications across the Codes to enable implementation of Early Competition through the CATO regime.

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**

GC0159 – the asks of Panel

- **AGREE** whether or not the proposed changes to the legal text are typographical
- **NOTE** that this Modification does impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- Do you have any comments as to whether or not the proposed changes concur with the EBR Article 3 Objectives?
- **VOTE** whether or not to recommend implementation

GC0159 Next Steps

Milestone	Date
Draft Final Modification Report presented to Panel	28 November 2024
Final Modification Report issued to Panel to check votes recorded correctly (5 business days)	03 December 2024 – 10 December 2024
Submission of Final Modification Report to Ofgem	11 December 2024
Ofgem decision date	TBC
Implementation Date	TBC

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.

Governance Update – EBR Update

- Steve Wright, Process Flow

Grid Code Development Forum – Previous and Next

6 November 2024

Presentation: Introduction of a new industry protocol in Operating Code 6 of the Grid Code

A presentation was shared in relation to proposed Grid Code modification that will seek to establish a Demand Control Rotation protocol within Operating Code 6 of the Grid Code following on from the approved GC0161 & GC0166 modifications.

Presentation: Introduction of contacts for Network Access Planning into the Compliance Process and Compliance Repeat Plan

A presentation was shared in relation to proposed Grid Code changes that will require Users to provide planning contacts prior to a Final Operational Notification being issued and again via the Compliance Repeat Plan.

Presentation: Analysis of system incidents and losses of load or generation on transmission and/or distribution networks throughout the GB power system.

A presentation was shared which provided analysis of system incidents and losses of load or generation on transmission and/or distribution networks throughout the GB power system utilizing the data provided as part of approved Grid Code proposals, GC0105 & GC0151. The proposer recommended possible future changes to the Grid Code to enhance the effectiveness of the data that is currently produced in relation to incident reporting.

4 December 2024 (Deadline for Agenda items - 27 November)

Final Agenda items TBC

<https://www.neso.energy/industry-information/codes/grid-code-gc/grid-code-development-forum-gcdf>

Standing Items

- Distribution Code Panel update(Alan Creighton)
- JESG Update (Information only)

Previous meeting -12 November 2024 (Cancelled)

Next meeting – 10 December 2024

Updates on other industry codes

25 October 2024 CUSC Panel [Panel Papers and Headline Report](#)


30 October 2024 STC Panel [\(Cancelled\)](#)

13 November 2024 SQSS Panel [Panel Papers and Headline Report](#)

Challenges to Modification Progress

	August		September		October	
	Count	Mods Affected	Count	Mods Affected	Count	Mods Affected
Delay in DFMR Vote						
Legal text delay	2	GC0139 GC0164			1	GC0164
Modification Complexity	1	GC0159	1	GC0166	1	GC0168
Workgroup nomination issues			1	GC0174		

Public Horizon Scan

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 Code Simplification & Rationalisation work will look at redrafting the Grid Code Operating Code No.2 (OC2) section as a trial and develop an updated replacement for OC2 achieving the same objectives but in a simpler way without unnecessary detail or legalese and removing outdated requirements. GC0164 is ongoing to simplify OC2 however the other sections of the code will follow. At post Workgroup Consultation phase.	dWSTC webpage
Grid Code	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 the ESO'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. Nov-24; GC0166 is ongoing- to raise new Dynamic Parameters for BMU Storage Assets. CM099 Replacement of Fax Machines mod went live 30/08/24 via self governance. Ongoing liaison with Balancing Programme to ascertain further Code Change requirements	Balancing Programme website
Grid Code, CUSC, SQSS and STC	The Offshore Coordination Project has been set up by the ESO 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. Aug-24; One SQSS raised, expect late Q3 2024 we will know relevant GC mods that will be required. Last meeting with Ofgem/DESNZ took place in 1st July to discuss MPis where Option A/B were the preferred options. Offshore Co-ordination Mod summary uploaded onto CC sharepoint - for review currently from CC managers	ESO Offshore Coordination Project Page
Grid Code and STC	Grid Forming GB Grid Forming- to provide the necessary guidance on the Compliance Process of Grid Forming technology following Grid Code Modification GC0137 "Minimum Specification Required for Provision of GB Grid Forming (GBGF) Capability" as shown on the ESO's Grid Code Issue 6 Revision 17 as published on 4 September 2023. The first meeting was held on 24th September and meetings will be held every month. The Expert Group will make recommendations for suggested Grid Code changes ahead of raising a formal change.	https://www.nationalgrideso.co.uk/document/278491/download
Grid Code, CUSC and STC	Replacement of Fax Machines in the ESO Control Room Due to the phasing out of the copper wire technology which fax machines utilise, the ESO Control Room will be replacing the fax machines that are used between the ESO and Users for some interactions. The STC changes will be proposed May 24 (no Control Room interactions in the STC), with Grid Code, CUSC, and STCPs to follow CUSC Mod to follow at some point - likely earliest Q3. Harvey leading on from CC Update 5th August - STC modification was approved at August STC Panel as Fast-Track Self Governance. Grid Code/CUSC/STCP proposals need to be raised in September in order to get Workgroups underway (although the request will be for a joint Grid Code/CUSC WG with Self-Governance route). Engagement with TOs will be required prior to presenting to Panel due to approval process. Aug-24; CM099 Replacement of Fax Machines mod implemented 30/08/24.	

Electrical Standards Documents

- Documents are complete and have tracked changes on
- Document size has been majorly reduced
- Documents should be easier to update in future

Electrical Standards – the asks of Panel

- **FEEDBACK** any comments before 5pm 09 December 2024

Code Administrator Update

Any other business

Activities ahead of the next Panel Meeting

Grid Code Development Forum	04 December 2024
Modification Proposal Deadline for December Panel	27 November 2024
Papers Day	04 December 2024
Panel Meeting	12 December 2024 Microsoft Teams

Close

Trisha McAuley

Independent Chair Grid
Code Review Panel