

Grid Code Review Panel

Thursday 25 November 2021

Online Meeting via Teams



WELCOME

As we continue to operate in these uncertain times and following best practice from other businesses, we want to adapt to be able to facilitate the governance process in the best possible way. Since moving to virtual Panel meetings, we have found it harder to accurately capture minutes and attribute comments correctly to attendees. We are also conscious of the impact of short periods of poor sound quality. With your consent, we wish to use WebEx to record all Panel meetings to help us accurately document minutes. We want to assure you that the recordings will be explicitly used to document minutes only and the same protocol for Panel meetings still applies in terms of strict confidentiality. As has always been the case, the draft minutes will be sent to Panel and the Chair for approval each month. Once the minutes are approved, the recording will be deleted. A reminder of this and consent will be sought at the beginning of each meeting, to be noted in the minutes.

As the independent Panel Chair, we have tested the appropriateness of recording Panel meetings with Trisha McAuley who is supportive of the approach. We welcome any comments or feedback on this.

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
27 October 2021**



Actions Log

Review of the actions log



Chair's Update

Update from the Chair

Authority Decisions and Update



Update:

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 modifications submitted

**GC0153 – Making the Grid
Code Gender Neutral**



Critical Friend Feedback – GC0153

Code Administrator comments	Amendments made by the Proposer
Timeline discrepancies found on Proposal form	All changes accepted by Proposer
Clarify why this is not fast-track self governance	Code Admin considered Fast-Track Self-Governance but believe it is more appropriate to include provision for an industry consultation
Proposer was same person as Code Admin contact	Changed Code Admin contact to Panel Rep (Nisar Ahmed)

New - Gender Neutral Modifications

- The Code Admin team are looking to remove all gender specific references and terminology within our Codes and make them gender neutral.
- As part of this journey we have raised two new modifications in November for the CUSC and Grid Code and requesting that these go down the self-governance route and straight to Code Administrator Consultation. Further modifications to make changes to the STC and SQSS will also be raised in January 2022.
- The Grid Code changes that we will be proposing are:

Current Term	Future Term	Parts of the code impacted
Chairman	Chair	Glossary & Definitions, Operating Code 12, Governance Rules
He	They	Glossary & Definitions, Operating Code 8A, Operating Code 8B, Operating Code 12, Governance Rules
His	Their	Glossary & Definitions, Connection Conditions, European Connection Conditions, Operating Code 6, Operating Code 8A, Operating Code 8B, Governance Rules
Him	Them	Governance Rules
Manned	Staffed	Connection Conditions, European Connection Conditions, Balancing Code 2

Timeline for GC0153 – Proposed Timeline (Self-Governance with Code Administrator Consultation)

Milestone	Date	Milestone	Date
Modification presented to Panel	26 November 2021	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	1 February 2022
Code Administrator Consultation (one calendar month)	29 November 2021 to 5pm on 29 December 2021	Appeals Window (15 working days)	9 February 2022 to 2 March 2022
Draft Final Modification Report (DFMR) issued to Panel (5 working days)	19 January 2022	Implementation Date (5 working days)	9 March 2022
Panel undertake DFMR recommendation vote	27 January 2022		

GC0153 – Asks of Panel

- **AGREE** that this Modification meets the Self-Governance Criteria (Panel decision) rather than Standard Governance (Ofgem decision)
- **AGREE** that this Modification should proceed to Code Administrator Consultation
- **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

Grid Code Self-Governance Criteria

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

Nisar Ahmed, Code Administrator

GC0139 update

Enhanced Planning-Data Exchange to Facilitate Whole System Planning

Meeting with workgroup members held on 06 October 2021 to define a plan for the modification.

Plan Agreed as follows:-

- 1) Proposer to draft terms of reference for CIM Subgroup
- 2) Proposer to set up meeting with Dan Clarke (ENA) and Paul Hayes (Leader on CIM subgroup) to look at scope
- 3) ESO Technical Codes Team has re-circulated the draft legal text
- 4) Group of 4 experts from Workgroup to look at producing another version of the legal text by mid November (Alan C, Proposer, & ESO)
- 5) Workgroup is currently targeting a mid-March 2022 date to conclude the workgroup and finalise the report for review by Panel.
- 6) Develop the gaps in the timeline for Panel update between now and mid-march 2022.

GC0117 update

Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements

- Workgroup held 09 November 2021.
- Presentation from the ENA (Open Networks) on operational visibility and monitoring (WS1B P6) work being carried out by them.
- Workgroup are keen to evaluate the co-ordination between the work Open Networks are doing with GC0117.
- Open Networks to be invited to next workgroup meeting again to cover off pending queries from workgroup members.
- Three options for further focus:
 - Large (10MW across GB)
 - Large (100MW across GB)
 - Application of England/Wales thresholds for small, medium and large extended into Scotland)
- Retrospectivity discussed.
- Questionnaire circulated but limited response.
- Linkage with TNUoS charging.
- Ofgem observer (Chibuike Ilomuanya) to attend meetings going forward.

GC0138 update

Compliance process technical improvements (EU and GB User)

- GC0138 has been de-coupled from GC0141.
- Code Administrator Consultation issued 03 November and closing 03 December 2021.

GC0141 update

Compliance Processes and Modelling amendments following 9th August Power Disruption

- **Workgroup Member has decided to raise a new modification for his alternative following Panel guidance.**

Panel to Note and/or provide non-binding guidance provided by Workgroup Member

*“The working group is aware that Users over the past two years have been requested to signed BCA technical appendices which include specific requirements for Users on model submission and SSTI/CI studies: these requirements were introduced by NGESO in the BCA templates (available on [NGESO site](#)) on an interim basis to address the issues discussed in GC0141, until the Grid Code modification process was completed. Once the proposed Grid Code changes are approved by the Authority, **the working group recommend that all currently signed BCAs with such requirements should be aligned with the updated Grid Code, should the User wanting to do so.** This updating process should not require a Modification Application submission, but should be addressed via an Agreement to Vary.”*

ESO Plain English interpretation:

The BCAs that the Users/generators have signed onto are linked to the CUSC which requires Users to meet the requirements of the Grid Code. The Grid Code does not cover site specific requirements or new developments (e.g. storage before GC0096 was approved). This statement requires Users the **choice** of meeting the requirements of the BCA **or** the Grid Code when GC0141 is approved.

GC0146 update

Solutions for frequency control of Power Park Modules

This modification was submitted by Orsted on 19 May 2020 and is trying to modify the current Grid Code to ensure developers can have a more flexible way to design frequency control and how this can be implemented in the wind farms. Currently, the Grid Code allows to control the frequency at PPM level and we are asking to consider controlling frequency at BMU level as well.

- Code Administrator has held a meeting with Orsted who have now confirmed that they would like to progress the modification.
- Orsted have confirmed that the defect is not changing and stands as was originally submitted.
- The Code Administrator has issued nominations for the Workgroup. Quorate of 6 workgroup members appointed. Also Ofgem representative (Dhaval Parmar) to attend meetings.

GC0148 update

Implementation of EU Emergency and Restoration Code Phase II

- Last meeting held on 05 November 2021.
- System Defence Plan, System Restoration Plan and Test Plan circulated to the Workgroup for comment.
- Control Telephony standard circulated to Workgroup for comment.
- Draft Legal Text for performance of Storage Plant under low frequency conditions circulated to the Workgroup for comment.
- Still pursuing the low frequency demand disconnection performance with the DNOs.
- Distributed Restart Legal Text circulated to the Workgroup for comment.

GC0126: Dynamic SIL/SEL Functionality update – Rob Wilson

- Dynamic SIL/SEL delivery was originally part of the EBS project – and was continued after this as it appeared to have a positive CBA
- Delivery was delayed due to other priorities within the balancing programme and then particularly due to COVID
- A more detailed impact assessment has now been carried out. Delivery is more complex than originally thought resulting in a significant increase in implementation costs from £700k to £3m+
- Notional benefits are no longer as tangible given that the '[Super SEL](#)' service, which has been running successfully since 2017, has enabled essentially provision of the same functionality but without any system changes being necessitated
- BSC 'issue' raised by EnergyUK in Oct 21; '[Review of current practice setting Dynamic Parameters within the Balancing Mechanism](#)'. Elexon are currently seeking members for an issue group which will consider this and may result in code mod proposals
- Propose to engage with this group and see what the result is before making any firm decisions. In the meantime delivery is paused

Panel Tracker

Nisar Ahmed

Prioritisation Stack

Electricity Transmission Network Planning Review Consultation Update

Konark Anand

Dashboard – Grid Code (as at 17 November 2021)

Category	June	July	August	Sept	Oct	Nov
New Modifications	2 <i>GC0150 GC0151</i>	0	1 <i>GC0152</i>	0	0	1 <i>GC0153</i>
In-flight Modifications	18	18	19	19	17	15
Modifications issued for workgroup consultation	0	0	0	1 <i>GC0151</i>	0	0
Modifications issued for Code Administrator Consultation	0	1 <i>GC0150</i>	0	2 <i>GC0151 GC0137</i>	1 <i>GC0152</i>	1 <i>GC0138</i>
Workgroups held	3	7	4	2	4	4
Authority Decisions	0	1 <i>GC0109</i>	1	0	0	1 <i>GC0151</i>
Implementations	0	0	1 <i>GC0109 23 Aug</i>	1 <i>GC0134</i>	1 <i>GC0150</i>	1 <i>GC0151</i>



Workgroup Reports

None

Draft Final Modification Reports (DFMR)

GC0152 – Updating the Grid Code governance process to ensure we capture network code on electricity emergency and restoration (NCER) change process for Article 4 Terms and Conditions (T&Cs)

Nisar Ahmed, Code Administrator

GC0152 Background

The proposal aims to ensure that retained EU law functions effectively in the context of the Grid Code following the UK-EU Trade and Co-operation Agreement and the end of the transition period. It will ensure that the Grid Code takes into account the provisions in the relevant Statutory Instruments prepared under the European Union (Withdrawal) Act 2018 (as amended by the European Union (Withdrawal Agreement) Act 2020).

A new table 2 has been added to the Governance Rules to capture mapping of NCER Article 4(4) T&Cs for system defence and system restoration service providers to the Grid Code. Additional minor changes have been made to Governance Rules for consistency.

GC0152 – Code Administrator Consultation

The Code Administrator Consultation was issued on the 11 October 2021 closed on 11 November 2021 and received one response.

The response submitted was done so by the Proposer of the modification so was in support of the solution, reiterating the low impact of the modification and its perceived benefits, as well as being in support of the proposed implementation approach. No further comments were raised

GC0152 – the 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 determine implementation
 - *Does the GC0152 Original proposal better facilitate the objectives than the current Grid Code arrangements?*
- **NOTE** next steps

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.

GC0152 Timeline

Milestone	Date
DFMR presented to Panel for recommendation vote	25 November 2021
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	29 November 2021 – 5 December 2021
Appeals Window	06 December 2021 – 28 December 2021
Implementation	29 December 2021



Reports to Authority

GC0137 – Submitted to the Authority on 11 November 2021

Implementation Update

GC0151 Grid Code Compliance with Fault Ride Through Requirements

Implemented into the Grid Code on 08 November 2021

GC0151 - Monitoring by the ESO

Verbal Update - Rob Wilson, ESO

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Governance

None



Grid Code Development Forum and Workgroup Day(s)



Rob Wilson, NGESO

Grid Code Development Forum – Previous and Next

3 November 2021

Ramping restrictions for active power output Article 119 (1) (C)

The System Operator Guideline (SOGL), one of the suite of European Network Codes that have been retained in GB law, required the ESO to write and have approved operational methodology texts. One of the requirements of these as approved by Ofgem is to set out ramping restrictions in the GB Grid Code. As it stands, while the Grid Code does set out ramping requirements for BMUs (units participating in the balancing mechanism) these do not apply to interconnectors.

The ESO is aiming to raise a Grid Code modification shortly to address this and consider the operational impact from increased cross border capacity with Europe and the associated rapid changes in flows, looking to minimise the cost impact on consumers. The presentation provided an update and review of the feedback from the last meeting and the planned next steps.

Offshore Coordination Project

The Offshore Coordination Project Team provided an update in relation to the Ofgem published OTNR consultation on Early Opportunities and Pathway to 2030 workstreams, as they look to engage with industry with regards to any technical code modifications that may be required as a result of this consultation, and how these may need to be prioritized. Details of dedicated sessions planned for late November were also discussed with invitations to *follow*.

Updating Codes to remove Gender references

The presentation provided an update with regards to the removal of references to gender from the Codes administered by NGESO.

24 November 2021

Cancelled due to no agenda items

Standing Items

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

JESG Update

Joint European Stakeholder Group meeting for November was held 9 November 2021.

[Agenda](#)

[Presentation pack](#)

The next JESG meeting will be on 14 [November 2021](#) starting at 10am.

Updates on other industry codes

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Blockers to Modification Progression

(February, May, August, November)

Blocker Code	Aug		Sept		Oct		Comments
	Count	Mods affected	Count	Mods affected	Count	Mods affected	
Quoracy	0	-	0	-	0	-	With the implementation of GC0131 quoracy is no longer a significant blocker.
Prioritisation	0	-	0	-	0	-	
ESO delay	1	GC0126	1	GC0126	1	GC0126	A more detailed impact assessment has now been carried out. Delivery is more complex than originally thought resulting in a significant increase in implementation costs from £700k to £3m+
Code Administration delay	0	-	0	-	0	-	
Industry delay	0	-	0	-	1	GC0141	More complex modification than initial thinking, requiring more workgroups and complex solutions
Legal issues		-		-	1	GC0138	Legal text amendments were suggested by Panel resulting in a slight delay for the work group report to be approved
Ofgem send back		-		-	0	-	



Horizon scan

(February, May, August, November)

Horizon Scan

	2021												2022											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Digitalised Whole System Technical Code							Scoping & engagement						Q1 '22	Mods to be raised in 2022 if required										
Energy Codes Review													Q2 '22	Work not expected to begin before 2022										
Early Competition/Offshore				Scoping & engagement									Expected to start in 2022											
RFG Phase 2																		Expected to start mid 2022 (if required, subject to TCA)						



Electrical Standards

None

Forward Plan Update/Customer Journey)

- Update on Code Administrator 2021/2022 Deliverables and ESO Customer Satisfaction Survey results

Jennie Groome

AOB

- **Electricity System Restoration Standard - Implementation Consultation**

Rob Wilson

- **Launch of the new CACoP Website**

Jennie Groome

- **GCRP 2022 dates**

Nisar Ahmed

Electricity System Restoration Standard - Implementation Consultation

The ESO is consulting on the services the Electricity System Operator (ESO) should establish and/or procure to comply with the new Electricity System Restoration Standard (ESRS) and the issues each sector of the electricity industry expect to face in providing, or facilitating the provision of, these services.

This is on the ESO's black start page [here](#) and a direct link to the consultation is [here](#).

Responses from all industry stakeholders are invited by 10 December. These will feed into the industry working groups who will be proposing any changes to industry frameworks to support implementation of the ESRS (which are planned to come into effect by September 2023 at the latest).

CACoP Website

Launch of the new CACoP Website:

www.cacop.co.uk

The CACoP Forum is delighted to announce the launch of our new website. The CACoP Website is the new home of all information related to the CACoP. You will be able to find latest versions of all our products in one central place, where previously these were stored across various code websites. Information on the new website includes:

The Code Administration Code of Practice – the set of principles that the Code Administrators agree to uphold

The Central Modifications Register – the consolidated record of all live industry code changes

The Horizon Scanner – a forward look at what could impact our industry codes in the medium/long-term

CACoP issued guidance – any information that we have published to support parties navigating our codes

[Industry codes meeting calendar](#) - here you can access information about when meetings are happening across the industry, filter by individual codes, and navigate to individual meeting pages on specific code websites through integrated links. It includes meeting information for all 10 CACoP Codes.

The latest and historic versions of the CACoP Newsletter – the quarterly publication that keeps interested parties updated on CACoP matters. By visiting the [CACoP Newsletter](#) page, you can sign up to receive direct notification from the CACoP Forum each time the latest newsletter is released.

You can send any queries or feedback on the website directly to the CACoP Forum Secretary, through a form on the [Contact Us](#) page.

Please share the link with your colleagues who may find this useful. We welcome your feedback and ideas around what we could add to the website to provide further value in the future.



Grid Code Panel Dates for 2022

Nisar Ahmed

GCRP dates - 2022

Grid Code	Panel Dates	Papers Day	Modification Submission Date	Grid Code Development Forum
January**	27 (Face to Face Meeting)	19	12	12
February	24	16	9	2
March	31	23	16	2
April**	28 (Face to Face Meeting)	20	11 (Taking Bank holidays into account)	6
May	26	18	11	4
June	30	22	15	1
July**	28 (Face to Face Meeting)	20	13	6
August	25	17	10	3
September	29	21	14	7
October**	27 (Face to Face Meeting)	19	12	5
November	24	16	9	2
December	15	7	30/11	23/11

**** All face to face meetings will be held at Faraday House, Warwick, CV34 6DA**

Next Panel Meeting

**10am on 16 December 2021 via
Microsoft Teams**

Papers Day – 8 December 2021

**Modification Proposals to be
submitted by 1 December 2021**

Close



Trisha McAuley
Independent Chair, GCRP