

# Grid Code Review Panel

**Thursday 26 May 2022**

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 Microsoft Teams 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**.

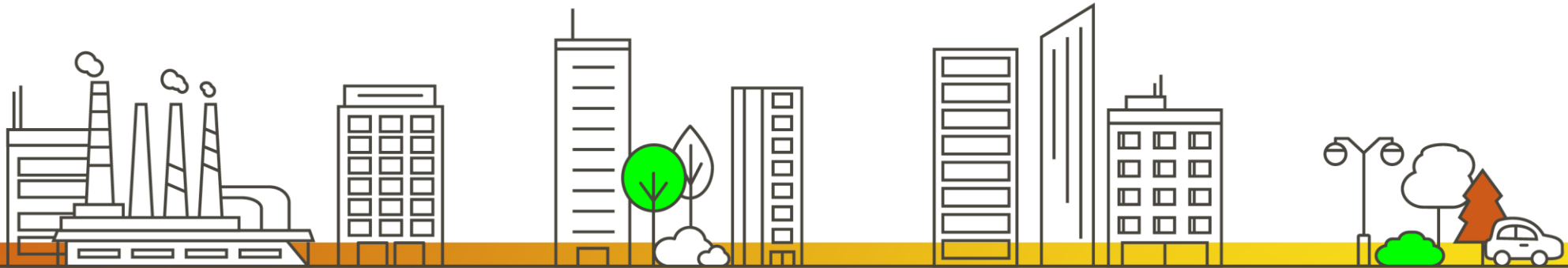
## Duties of Panel Members & Alternates (GR.3.3)

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  
28 April 2022





# Actions Log

## Review of the actions log



# Chair's Update

## Update from the Chair

# Authority Decisions and Update



**No decisions received – one pending (GC0138), expected end of May.**

**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

**Jennifer Groome, Code Administrator**



# Timeline for GC0139 as at 24 May 2022

Milestone	Date	Milestone	Date
Workgroup meeting 11	20 May 2022	Panel sign off that Workgroup Report has met its Terms of Reference	<del>25 August 2022</del> 27 October 2022
Workgroup meeting 12 – Review legal text	<del>10 June 2022</del> 8 July 2022	Code Administrator Consultation (15 Working Days)	<del>1 September 2022 – 30 September 2022</del> 8 September – 14 December 2022
Workgroup meeting 13 - Review legal text and workgroup consultation document	15 July 2022	Draft Final Modification Report (DFMR) issued to Panel	<del>19 October 2022</del> 18 January 2022
Workgroup meeting 14	11 August 2022	Panel undertake DFMR recommendation vote	<del>27 September 2022</del> 26 January 2022
Workgroup Consultation (15 Working Days)	<del>21 June 2022 – 12 July 2022</del> 19 August – 16 September 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	<del>31 October 2022</del> 30 January 2022
Workgroup 13 – Review consultation responses	<del>22 July 2022</del> 23 September 2022	Final Modification Report issued to Ofgem	<del>7 November 2022</del> 7 February 2022
Workgroup 14 - Review any changes required to solutions, hold Workgroup vote	<del>3 August 2022</del> 4 October 2022	Ofgem decision	TBC
Workgroup report issued to Panel	<del>17 August 2022</del> 19 October 2022	Implementation Date	10 working days following Ofgem decision

# Panel Tracker

**Jennifer Groome**



# Prioritisation Stack

# Workgroup Report

**GC0141 Compliance Processes and Modelling amendments following 9th August Power Disruption**

**Jennifer Groome, Code Administrator**

# GC0141 Background

- The Government (BEIS) and the Regulator (Ofgem) investigated and reviewed the incident of 9th August 2019 when some 1 million customers lost their electricity supply as a consequence of unexpected losses of generation following a correctly cleared fault event on the Transmission System. The modifications included in these proposals are to address the concerns raised in Action 3 of the Ofgem Report and Action 2 of the BEIS report.
- GC0141 has been assessed by a Workgroup and will require Authority decision (Standard Governance).
- Implementation date is 10 Working Days following Authority decision.



# GC0141 Workgroup Consultation Responses Summary

The Workgroup held their consultation between 9 March 2021 – 30 March 2021 and received 13 non-confidential responses. Overall respondents were mostly supportive of the principles of the proposed changes and the need for enhanced robustness of compliance processes, with some concerns in the following areas:

- Independent Engineer:
  - Cost implications and additional administrative burden. Some felt that the IE role should only apply to connecting future sites
  - Additional complexity and introduces ambiguity in accountability. Competency for the role, who would regulate their activities, and what their specific liabilities would be – also considered
- Fault Ride Through:
  - Questioned whether the requirement for a thirty-minute period of sustained and stable connection post-fault sufficiently accounts for subsequent trips relating to operational safety matters.
- The Compliance Repeat Plan:
  - Some saw this as an additional administrative burden
  - Some questioned whether it should require reassessment of all applicable compliance matters every time or whether the scope could be discussed and agreed with the ESO each time.
  - Questions regarding immediate implementation without bottlenecks of “backed up” checks potentially leading to Limited Operational Notifications.
- The majority of respondents felt that interaction studies should be the ESO’s responsibility given their access to relevant models.
- Concerns were raised over sharing of EMT models and implications for Intellectual Property protection and general confidentiality.
- The Workgroup discussed the above matters and developed 14 WACGM Proposals to address these areas.

# GC0141 Workgroup Alternative Grid Code Modifications

14 WAGCMs were brought forward by the Workgroup.

## Summary of alternative solutions:

The WAGCMs are combinations of the following elements:

- Whether an independent engineer is required or not and different thresholds which when exceeded would then require an independent engineer.
- Different methods by which ESO/TO could share SSTI / SSCI information, whether by sharing models, hosting a study environment or employing a consultant.
- Whether a full specification for RMS & EMT is required or not.
- Different requirements for submitting Compliance Repeat Plans (no requirement, submit material changes only, or submit every 5 years)
- Whether there is a requirement to submit FRT studies for complex connections at the start of the process or not.
- Variations on requirement to provide torsional data (no requirement to provide pre-1<sup>st</sup> April 2015, all users to provide retrospectively, user provides when asked prior to completion date of 1<sup>st</sup> April 2015).

# GC0141 Workgroup Vote

The Workgroup Vote took place on 5 May 2022.

## **GC0141 - Assessment of the Original and WAGCM1 to WAGCM14 vs Baseline**

The Workgroup concluded by majority that the WAGCM14 better facilitated the Applicable Objectives than the Baseline.

Note that WACGMs 2 and 14 are the Workgroup ‘majority’ proposals. When the Workgroup voted on each of the 7 aspects of this modification in isolation, they put together options made up of the elements that received the highest votes.

# GC0141 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;	"Workgroup Considerations" section
b) Review draft legal text	"Workgroup Considerations" section and Annex 2
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	*The Workgroup was well represented across stakeholder groups including manufacturers, plant owners (Generators and HDVC), and TOs
d) Consider EBR implications	"Interactions" section
e) Assess areas of work that need to be considered and whether any would be 'quick wins'	"Consideration of Proposer's Solution" section
f) Consider interaction with generators that aren't required to comply with the Grid Code	"Workgroup Considerations" section
g) Any cross-code implications	"Interactions" section
h) Consider the testing that should be done after a software update	"Workgroup Considerations" section
i) Responsibilities of independent engineer or alternative solutions	"Workgroup Considerations" section and Annexes 5 and 7

# GC0141 Timeline

Milestone	Date
Code Administrator Consultation	6 June – 8 July 2022
Draft Final Modification Report (DFMR) issued to Panel	20 July 2022
Panel undertake DFMR recommendation vote	28 July 2022
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	1 August 2022
Final Modification Report issued to Ofgem	9 August 2022
Ofgem decision	TBC
Implementation Date	10 working days after Ofgem decision



# GC0141 - 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



# Grid Code Development Forum and Workgroup Day(s)



**Rob Wilson, NGESO**

# Grid Code Development Forum – Previous and Next

## **4 May 2022 (Deadline for Agenda items - 27<sup>th</sup> April)**

GCDF cancelled due to lack of agenda items

## **1 June 2022 (Deadline for Agenda items - 25<sup>th</sup> May)**

*Agenda items TBC, but future agenda items will include:*

- ***Whole System Technical Code Project Update***
- ***CATO/Early Competition***
- ***Offshore Co-ordination***
- ***RIIO-2 BP2 Consultation Update***

# Standing Items

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

# JESG Update

**Joint European Stakeholder Group – no meeting in May.**

**The next JESG meeting will be held on 14 June 2022.**



# Updates on other industry codes



# Blockers to Modification Progression

(February, May, August, November)

# Blockers to modification progression

Blocker Code	Feb		Mar		Apr		Comments
	Count	Mods affected	Count	Mods affected	Count	Mods affected	
Quoracy	0	-	0	-	0	-	
Prioritisation	0		2	GC0146 GC0155	0	-	Prioritisation of GC0156 meant that GC0146 and GC0155 delayed until June
ESO delay	0	-	0	-	0	-	
Code Administration delay	0	-	0	-	0	-	
Industry delay	0	-	1	GC0141	1	GC0141	Repackaging and re-vote on WACGMs
Legal text delay	1	GC0148	1	GC0117	1	GC0148	Allow time for refinement of legal text
Ofgem send back	0	-	0	-	0	-	



# Horizon scan

(February, May, August, November)

# AOB

- Offshore Transmission Network Review – Pathway to 2030
- National Grid ESO's second RIIO-2 Business Plan (BP2)
- Code Administrator Annual Report
- Whole System Technical Code Update

# Offshore Transmission Network Review - Pathway to 2030

## What are we doing?

- Ofgem and BEIS asked the ESO to lead a Central Design Group to undertake a Holistic Network Design (HND) for projects in scope.
- In June 2022 the ESO will publish the HND, our views on the SQSS, and an Industry Code, Standard and Licence Recommendation Report.
- We will subsequently be undertaking a connection contract update programme and a code and standard modification programme.
- We are working closely with the Early Opportunities workstream which has also identified a need for code modifications.
- Further information on the Offshore Transmission Network Review, including the Pathway to 2030 workstream, can be found as follows.
  - [Offshore transmission network review - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/consultations/offshore-transmission-network-review)
  - [Consultation on changes intended to bring about greater coordination in the development of offshore energy networks | Ofgem](#)
  - [Offshore Coordination Project | National Grid ESO](#)

# Industry Code, Standard and Licence Recommendation Report

## **Where are we now?**

- A 'review cycle' is ongoing with a working draft of the report being shared with TOs, Ofgem and internal ESO colleagues.
- Following the review cycle the ESO will enter into a period of content refinement (and thereafter governance) running from late-May into early-June, with the report to be published at the end of June 2022 alongside the HND.
- We are currently awaiting Ofgem's minded-to decision regarding the offshore delivery model to deliver the HND in order to finalise content.

## **What are the next steps?**

- Following report publication, stakeholders will be invited to review the content and provide feedback.
- In addition, a webinar is likely to be scheduled in July 2022 to allow us to talk through the content of the report and to take questions.
- The ESO will be attending code forums and/or panels throughout July 2022 to share and discuss key elements of the report.
- Throughout Summer 2022 the ESO will consider any feedback received on the report and we will be arranging a suite of webinars/workshops to explore and discuss aspects of the report, as well as any feedback that had been received to date.
- We will subsequently be using the above engagement to develop and raise code and standard modifications to facilitate the HND and the Ofgem decision (once available) on offshore delivery models.

# National Grid ESO's second RIIO-2 Business Plan (BP2)

Our 2019 RIIO-2 Business Plan set out ambitious goals for the **five-year period 2021-2026**.

Business Plan 2 (BP2) is a refresh of our RIIO-2 plans and details what we will deliver from **April 2023 – March 2025**. The work we are proposing to deliver around industry codes is covered in the Role 2 elements of the plan.

Draft BP2 consultation started on **Friday 29 April 2022**

Consultation **closes Friday 10 June**

Consultation feedback will inform our final BP2, which we will submit in **August 2022**

We held an introductory webinar **Wednesday 4 May** – a recording of this is available on our [website](#), along with the full BP2 plan and consultation details.

Information on how to respond to our consultation is on our website – this can be done via email, a web form, or by feeding back to the team through engagements. Alternatively, if you'd like us to set up a bilateral meeting with you/your organisation, please email [box.ESO.RIIO2@nationalgrideso.com](mailto:box.ESO.RIIO2@nationalgrideso.com) and we will be in touch.



# Code Administrator Annual Report

We have published ESO Code Administrator Annual Report for the period of 2021-2022 to provide further context and transparency on both our role and the level of activity across our codes.

The report, which is our third to date, includes detailed insights into our activities, key metrics and data available on our modifications.

<https://www.nationalgrideso.com/document/250266/download>

# Whole System Technical Code Update

# Next Panel Meeting

**10am on 30 June 2022 via  
Microsoft Teams**

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**Papers Day – 22 June 2022**

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**Modification Proposals to be  
submitted by 15 June 2022**

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# Close



**Trisha McAuley**  
Independent Chair, GCRP