



# **Grid Code Review Panel**

Thursday 24 November 2022

Online Meeting via Teams

# 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 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  
18 October and 27 October 2022



# Action Log





## Chair's Update

# Authority Decisions and 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>



# Inflight Modification Updates

Milly Lewis, Code Administrator



# GC0155 Timeline Update

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem
Previous timeline	22 March 2023	17 May 2023	06 June 2023
New timeline	16 May 2023	19 July 2023	08 August 2023

**Rationale:** *The ESO SME Team supporting on the solution of this modification, are completing discussions with 6 major manufacturers and will revise the original legal text accordingly ahead of the Workgroup being able to progress.*

**Workgroups Remaining: 3**

**GC0156 – the asks of Panel:**

- **AGREE** the revised timeline

# GC0159 Request to Change Terms of Reference

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

## Amended/ Additional Workgroup Term of Reference

e) Consider interactions and impacts on **wider Grid Code modifications in particular** GC0103, GC0117 and GC0156 modifications; and

## GC0159 - the asks of Panel

- **AGREE** the amendment to the Terms of Reference



# Panel Tracker

Milly Lewis, Code Administrator

# Prioritisation Stack

Mod Number	Previous Priority No:	Priority No	Title
GC0160	1		Grid Code Changes for BSC Mod P448 - "Protecting Generators subject to Firm Load Shedding during a Gas Supply Emergency from excessive
GC0139	2		Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0156	3		Implementation of the Electricity System Restoration Standard
GC0117	4		Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements
GC0154	5		Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119
GC0155	6		Clarification of Fault Ride Through Technical Requirements
GC0159	7		Introducing Competitively Appointed Transmission Owners
GC0140	8		Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions
GC0103	9		The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes



# **Grid Code Development Forum and Workgroup Day(s)**

Jamie Webb, NGESO

# Grid Code Development Forum – Previous and Next

2 November 2022

## **Potential updates to Electricity Standards documents**

*A presentation was shared which proposes additional EDL Reason Codes to support the Constraint Management Pathfinder. This will require updates to the “EDL Instruction Interface – Valid Reason Codes” and “BETTA – Despatch Instruction Guide” Electricity Standards Documents.*

## **Digitalised Whole System Technical Code Project Update**

*An update was shared on the Alignment, Simplification and Rationalisation (ASR) Workstream of the Digitalised Whole System Technical Code project, including background of the dWSTC project, and current progress being made on the “Operating Code No.2” section of the Grid Code in terms of the areas of improvement which have been identified by industry stakeholders.*

## **23 November 2022 (Deadline for Agenda items - 16 November)**

### **RIO-2 Business Plan 2 (BP2) – Update**

*The Regulatory Business Planning Team will provide an update on the RIO-2 price control Business Plan 2 (BP2) prior to the release of the Ofgem draft determinations.*

### **Digitalised Whole System Technical Code**

*A verbal update will be shared in relation to the Alignment, Simplification & Rationalisation (ASR) Workstream of the Digitalised Whole System Technical Code project.*

### **Potential Grid Code Modification as a result of SQSS Modification – GSR029 (Review of Demand Connection Criteria to align with EREC P2/7)**

*A presentation will be shared in relation to a potential Grid Code Modification that will be required as a result of SQSS Modification GSR029 – Review of Demand Connection Criteria to align with Engineering Recommendation (EREC) P2/7).*



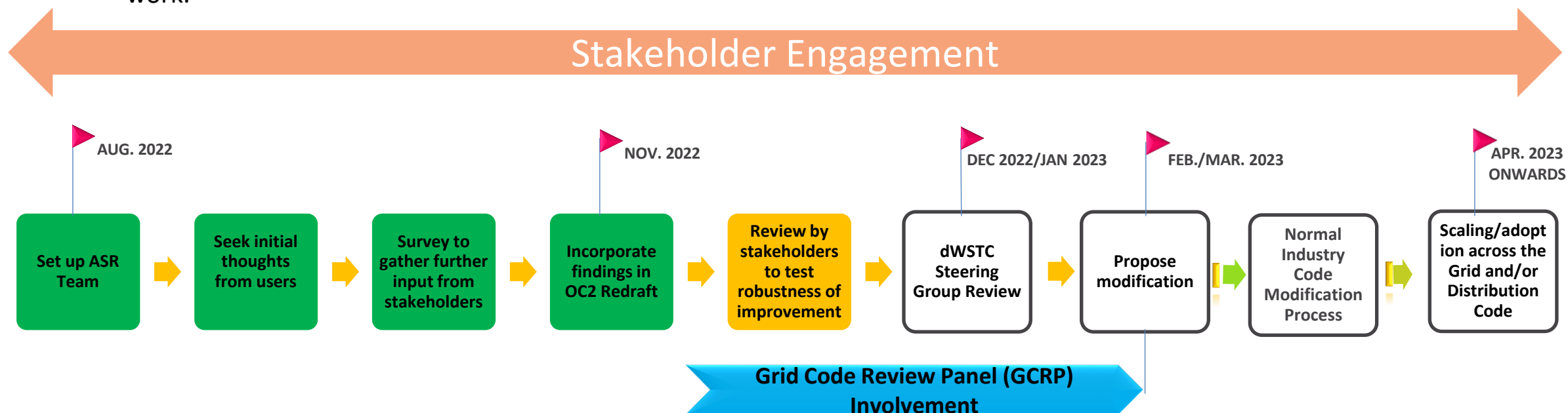
# Digitalised Whole System Technical Code (dWSTC) – Alignment, Simplification & Rationalisation Workstream(ASR)

Workstream Status Update to  
The Grid Code Review Panel (GCRP) - November 2022

Frank Kasibante

# ASR Workstream Objectives/ Proposed timeline

1. Use 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
2. Consider if the ASR approach in (1) can be scaled/adopted across the Grid and/or Distribution Code leading to code modifications?
3. Consider areas where ASR could be a source of recommendation for the ongoing Ofgem Energy Codes Reform (ECR) work.





# What stakeholders have said

ASR Survey Extracts on how the changes made to simplify and rationalise the Grid Code would benefit users – (Q.14)

Feedback	Respondent's category
Increase the number of people able to support code compliance - junior engineers find it very difficult to understand.	Generator
Speed up the compliance process, less reliance on subject matter experts who are difficult to find, less querying of National Grid ESO for support.	Storage Provider
Make easier to carry out Grid Connection Studies	Generator/Storage Provider
Clearer and simple requirement descriptions	Generator
It would allow more people with a high level understanding to use the code and less reliance on a single "expert". It may remove some of the fear of using the grid code that I have encountered several times before.	Storage provider
Quicker to find the information and advise clients	Grid connections consultant
Save time in determining compliance requirements for design and compliance planning	Developer, constructor and asset manager of wind solar and battery assets

- ***The survey data shows that more Engineers use the Grid Code than all other categories combined***
- ***Respondents indicate that simplification and rationalisation will provide benefits to the code user***

# ASR – Simplifying Operating Code No.2 (OC2)

This is what  
we have done  
so far

ID	Areas for improvement identified by stakeholders	Indicative efficiency achieved so far
1	Introduction, Objective, Scope	1. Has been re-written in plain English clarifying who the code applies to. 2. Text reduced by approximately 60%.
2	Procedure	1. Has been simplified and rationalised. 2. Areas with timelines are looking at an approach that will include diagrams. – easier for users (who are predominantly Engineers) to identify what is needed, when. 3. Text reduced by approximately 53%.
3	Presentation (text is very difficult to follow)	1. Extensive repetitions reduced by use of flowcharts and footnotes
4	Appendices	1. Duplications have been removed and some minor improvements in headings made. 2. Proposed to move some to Planning Conditions or Connection Conditions
5	Other minor housekeeping changes and Definitions	1. Changes to some text to improve readability have been made, text has been written in a more concise way. 2. Simplified, multiple definitions removed.
6	Text size	1. Reduced from approximately 10,700 words to 7,834 words

If you have any further questions, please contact the team at  
[box.WholeSystemCode@nationalgrideso.com](mailto:box.WholeSystemCode@nationalgrideso.com)

## Standing Items

- Distribution Code Panel update (Alan Creighton)
- JESG Update (information only)
  - Previous meeting -18 October 2022 [Meeting materials and Headline Report](#)
  - Next meeting – 13 December 2022



## Updates on other industry codes



## **Blockers on Modification Progress**

# Horizon Scan

Codes Affected	Change Overview	Published Content	Modifications Expected	Within 1 Year	Within 2 Years
Grid Code, CUSC, and STC	<p>The Offshore Coordination Project has been set up by the ESO with support from Ofgem and the Department for Business, Energy &amp; Industrial Strategy.</p> <p>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.</p>	<a href="#">ESO Offshore Coordination Project Page</a>	Nov-22		
Grid Code (CUSC for fax instructions)	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. The following elements are expected to start to land from January BSC Issues Group (relating to Optimisers giving instruction recommendations); Storage and Batteries (MDV and MDP) and the use of Faxes to instruct.	<a href="#">Balancing Programme webpage</a>	Jan-23		
CUSC	One of the key activities within Ofgem's 2021/22 Forward Work Programme is to implement Market-wide Half-Hourly Settlement (MHHS) reform. Market-wide Half-Hourly Settlement (MHHS) is a key enabler of the flexibility to support the transition to Net Zero. The MHHS Programme will contribute to a more cost-effective electricity system, encouraging more flexible use of energy and helping consumers lower their bills.	<a href="#">MHHS webpage</a>	Feb - 23		
Grid Code	Digitalised Whole System Technical Code (dWSTC) will include 3 key workstreams; Alignment, Simplification & Rationalisation; Training and Guidance and the Digitalisation of Grid Code	<a href="#">dWSTC webpage</a>	Apr-23		



**Any Other Business**



## **Next Panel Meeting**

**10am on 15 December 2022 -Teams**

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**Papers Day – 07 December 2022**

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**Modification Proposals to be  
submitted by 30 November 2022**

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**Close**



**Trisha McAuley**  
Independent Chair, GCRP