

Grid Code Review Panel

Thursday 24 February 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**.

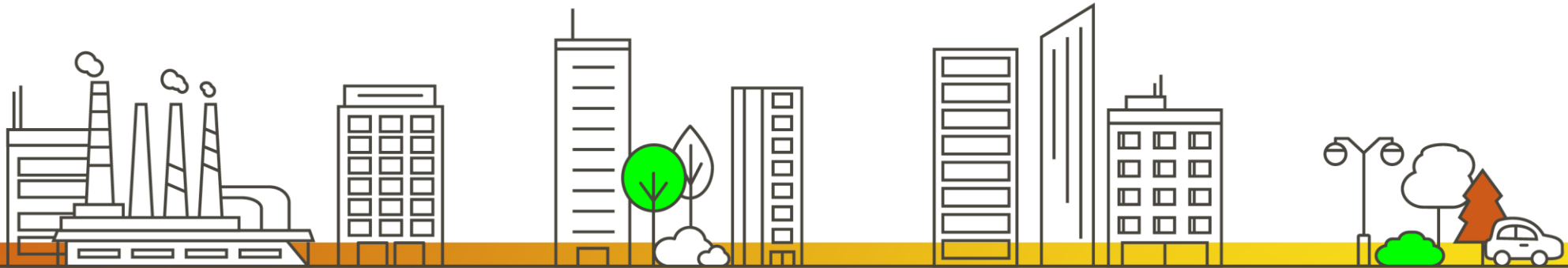
Duties of Panel Members & Alternates (GR.3.3)

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
27 January 2022**



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



**GC0156 - Implementation of the
Electricity System Restoration
Standard**

A landscape photograph of a green field at sunset. The sun is a bright, glowing orb in the upper right sky, casting a warm orange and yellow light. A dark line of trees is silhouetted against the horizon. Overlaid on the scene are several bright green, glowing lines that curve across the field, suggesting energy or power. The text is overlaid on the lower half of the image.

Implementation of the Electricity System Restoration Standard

Grid Code Modification Proposal

24 Feb 2022

Summary

- Introduction to the ESRS
- ESRS implementation overview
- Background:
 - EU Emergency & Restoration Code
 - Distributed Re-Start
- Content of the Grid Code modification
- Timeline
- Interested Parties

Introduction to the ESRS

- In October 2021, BEIS issued a direction in accordance with Special Condition 2.2 of National Grid's Electricity System Operator's Transmission Licence, the Electricity System Restoration Standard (ESRS) is set at–
 - a. 60% of electricity demand being restored within 24 hours in all regions;
 - and
 - b. 100% of electricity demand being restored within 5 days nationally.
- The purpose of this direction is to require that the ESO
 - a) Ensures and maintains an electricity restoration capability; and
 - b) Ensures and maintains the restoration timeframe.
 - c) Replace the definition of “Black Start” with “Electricity System Restoration”
- We aim to develop the requirements to implement in the Grid and Distribution Codes through a joint working group – Presented to the DCRP on 3rd February 2022
- It is also proposed to make a house keeping change to OC5.7.1(b)(i) which is a correction that needs to be addressed following the implementation of GC0108 (EU Code: Emergency & Restoration: Black start testing requirement)

Electricity System Restoration Standard Implementation – Overview

Mandate

ESO to have restoration capability to enable

60% of electricity demand being restored within 24 hours in all regions;
and
100% of electricity demand being restored within 5 days nationally.

Inputs

- Intact Network
- GC0148 (EU Emergency and Restoration)
- GC0137 (Grid Forming) Capability
- Distributed Re-Start
- Output from collaboration with industry stakeholders

Timescales

- From Oct 2021 to Dec 2026

As directed by BEIS:

- *The ESO is required to be compliant with the ESRS by Dec 2026*
- *Code changes are required to be completed no later than Sept 2023*

Outputs

- Compliant network with Restoration licence obligations
- Restoration decision support tool

Assumptions

- The aim of this work is to have 60% of demand restored within 24 hours (all regions) and 100% restored within 5 days
- This can only be achieved on the basis that network assets and Customers Plant and Apparatus (e.g. generation, storage, HVDC etc) are in an operational and functional state.
- This will be achievable if there isn't any extensive and prolonged Network or Plant damage
- The requirements are aimed at making the System more respondent to restoration measures following a Power Outage condition and ensuring a minimum standard.

Background 1 - EU Emergency & Restoration Code

- In 2019, the ESO submitted its proposed solution to Ofgem for implementation of the European Emergency and Restoration Code
- This comprised of several submissions:-
 - Grid Code Modification GC0125 (EU Code Emergency & Restoration: Black Start testing requirements for Interconnectors) – *Approved – 5th February 2020*
 - Grid Code Modification GC0127 (EU Code Emergency & Restoration: Requirements resulting from System Defence Plan) – *Approved – 5th February 2020*
 - Grid Code Modification GC0128 (GC0128 EU Code Emergency & Restoration: Requirements resulting from System Restoration Plan) – *Approved 5th February 2020*
 - ❖ System Defence Plan – *SGU List and High Priority SGU List (which is part of the SDP) - Approved 13th July 2021*
 - ❖ System Restoration Plan – *SGU List and High Priority SGU List (which is part of the SRP) - Approved 13th July 2021*
 - ❖ Test Plan – *Approved 13th July 2021*
 - Terms and Conditions related to Emergency and Restoration EU Network Code
 - Market Suspension Proposals – *Grid Code Modification GC0144 – Approved 26th May 2021*
 - A link to the above documents are available from the attached link:-
 - <https://www.nationalgrideso.com/industry-information/codes/european-network-codes/other-enc-documents>
- There are some elements of the EU Emergency and Restoration Code which have implementation dates of 18th December 2022 and these are currently being progressed through Grid Code Modification GC0148

Background 2 - Distributed Restart project

- The Distributed Restart Project is one which recognises that the traditional suppliers of Black Start Services (Transmission Connected Thermal Plant) are becoming increasingly scarce
- The aim of this project is to look at the ability of:-
 - Other providers to provide Black Start Services including Embedded Generators
 - The ability of Distribution Network Operators to restart parts of their network during a Black Start Event using Embedded Generators which offer Restoration services
 - Encourage Smaller participants into the Restoration arena.
 - Where Non-CUSC Parties are providing such services, they would fall under the remit of the EU Emergency and Restoration Code
- The outcome of the Distributed Re-Start project (which is currently included within the provisions of Grid Code Modification GC0148) is an important element of the ESRS
- The distributed Re-Start Project is due to run until June 2022

ESRS – Based on a Layered Approach

- For the ESRS to achieve its delivered outcomes the ESO require as many tools as possible
- Many of these have either been developed or are under development

Tool	Purpose	Function
GC0137 Modification	Grid Forming	Enables Converter and Renewable based Generation to provide Restoration Services
GC0148	Improved Communications resilience	72 hours communication resilience
	Participation from Non – CUSC Parties	More Parties are able to provide Restoration Services
	Distributed Restart	Ability to Energise Distribution Networks from Embedded Generators and Top up Services
ESRS	60% Demand Restoration in 24 hours and 100% Demand Restoration in 5 days	Dependent on above tools being available

Content of the Grid Code Modification

- i. Updating references from 'Black Start' to 'Electricity System Restoration' or similar
- ii. Ensuring measures are put in place in the Grid Code to facilitate the requirements of the ESRS (60% of Demand to be restored within 24 hours (all regions) and 100% of Demand within 5 days) against the assumption that the Total System is in an operable state.
- iii. Build on the solutions set out through Grid Code modifications GC0137 (Grid Forming) and GC0148 (Implementation of Emergency and Restoration Code Phase II including the Distributed Re-Start Project) to achieve the requirements of the Electricity Restoration Standard
- iv. Consider what changes if necessary are required to the System Restoration Plan and Test Plan
- v. As part of this modification, take the opportunity to undertake a minor housekeeping correction to OC5.7.1(b)(i) that needs to be addressed following an error arising from the implementation of Grid Code modification GC0108 (EU Code: Emergency & Restoration: Black start testing requirement).

Timeline

- As part of the ESRS Regulatory Frameworks Working Group, the issue of Urgency was raised by one Workgroup Member
- The ESO have reviewed the timeline for the modification and are aiming to complete this by Dec 2022 (rather than the BEIS deadline of Sept 2023)
- We believe this allows enough lead time for parties to make any provisions necessary to implement the requirements by December 2026
- The ESO favours high prioritisation of this modification
- The ESO recognises significant overlap between this modification and GC0148
- The ESO does not favour urgency because:
 - There will be limited time saved (3 – 4 months at best) and significant resource implications
 - The ESRS solution needs to layer on top of that developed for GC0148

Interested Parties

- Generators (Large, Small and Medium Power Stations)
- Non-CUSC Parties
- Distribution Network Operators
- Transmission Licensees
- Restoration Service Providers
- The ESO
- Panel Decision / Next Steps

Critical Friend Feedback: GC0156

Code Administrator comments	Amendments made by the Proposer
<p>Added weblinks to other modifications referred to in the proposal for ease of reference.</p> <p>Brief explanation of how the modification interacts with other codes</p> <p>Updated Acronym table</p>	<p>The Proposer added a brief explanation</p>

GC0156 – the asks of Panel

- **AGREE** that this Modification should follow Standard Governance (Ofgem decision) rather than the Self-Governance Criteria (Panel decision)
- **AGREE** that this Modification should proceed to Workgroup
- **AGREE** Workgroup Terms of Reference
- **NOTE** that there appear any impacts on the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the proposed timeline

Draft Timeline for GC0156 as at 16 February 2022

Milestone	Date	Milestone	Date
Proposal Presented to Panel	24 February 2022	Panel sign off that Workgroup Report has met its Terms of Reference	25 August 2022
Workgroup 1 – Understand / discuss proposal and solution, note the scope and identify any possible alternative solutions, agree timeline and review terms of reference, agree next steps.	30 March 2022	Code Administrator Consultation	30 August 2022 – 30 September 2022
Workgroup 2 - Review solution(s) and legal text, agree alternatives, Discuss Workgroup consultation (including agreeing Workgroup Consultation questions).	13 April 2022	Draft Final Modification Report (DFMR) issued to Panel	19 October 2022
Workgroup 3 – Develop solution, Develop WG consultation questions and report.	10 May 2022	Panel undertake DFMR recommendation vote	27 October 2022
Workgroup 4 – Finalise solution(s) to be consulted on and legal text, agree alternatives, finalise Workgroup Consultation questions	07 June 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	1 November 2022 – 07 November 2022
Workgroup Consultation (15 Working Days)	13 June 2022 – 01 July 2022	Final Modification Report issued to Ofgem	11 November 2022
Workgroup 5 - Post Workgroup Consultation - Assess Work group consultation responses.	14 July 2022	Ofgem decision	TBC
Workgroup 6 - Finalise solution(s) and legal text, agree that Terms of Reference have been met, Review Workgroup Report and hold Workgroup Vote.	26 July 2022	Implementation Date	10 working days after Ofgem decision
Workgroup Report issued to Panel (5 working days)	17 August 2022		



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Inflight Modification Updates

Nisar Ahmed, Code Administrator

GC0117 – Update

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

Workgroup meeting held on 08 Feb 2022

On target for revised timetable approved at Panel in Jan 2022

GC0117 could impact the SQSS (Section 11, Terms and Definitions) in relation to the definition of a Large Power Station. The SQSS Panel will be made aware of the potential impacts.

The Workgroup have involved NG IS on implications

It is beneficial for IT to get involved in Code changes at early stages ahead of implementation phase to ensure that delivery plan is achievable, and delivery is timely and within budget.

Wider issues becoming more complex in terms of:-

- costs that may be incurred through changing thresholds for generators
- costs that may be incurred by NG IS through adopting a complex solution for thresholds
- Interactions with other projects/modifications in the pipeline (e.g. Open Networks work)

GC0139 – Update

Enhanced Planning-Data Exchange to Facilitate Whole System Planning

Ofgem have issued their Open Letter on The Common Information Model (CIM) regulatory approach and the Long Term Development Statement (LTDS) on 10 January 2022.

<https://www.ofgem.gov.uk/publications/common-information-model-cim-regulatory-approach-and-long-term-development-statement>

Ofgem have stated that all GB CIM implementations should use CGMES v.3 as the core data standard version of the CIM with extensions in the current Common Distribution Power System Model (CDPSM) for unbalanced network models as required.

Code Administrator to restart workgroup meeting again in March to assess legal text and develop options in line with the Open Letter from Ofgem.

Key considerations for workgroup are:

- 1) Do we use consultants (software providers etc)
- 2) Engage with the DNO to get in house specialists in relation to the models

GC0148 – Asks of the Panel

Implementation of EU Emergency and Restoration Code Phase II

- To **approve** the extended timeline (one month delay in issuing out the Workgroup Consultation) as further work is needed to be completed on legal text.

Timeline for GC0148 V2 as of 21 February 2022

Milestone	Date	Milestone	Date
Workgroup 1	10 June 2021	Code Administrator Consultation	02 June 2022- 04 July 2022
Workgroup 2	05 July 2021	Draft Final Modification Report (DFMR) issued to Panel	28 July 2022
Workgroup 3	18 August 2021		
Workgroup 4	05 October 2021	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	08 August 2022 – 15 August 2022
Workgroup 5	05 November 2021		
Workgroup 6	20 December 2021	Final Modification Report issued to Ofgem	16 August 2022
Workgroup 7	14 January 2022		
Workgroup 8	22 February 2022	Ofgem decision	TBC
Workgroup Consultation (15 working days)	28 March – 20 April		
Work group 9- Assess Work group consultation responses	28 April 2022	Implementation Date	TBC
Workgroup 10	12 May 2022		
Workgroup Report issued to Panel (5 working days)	18 May 2022		

Panel Tracker

Nisar Ahmed

Prioritisation Stack

Dashboard – Grid Code (as at 19 January 2022)

Category	Sept	Oct	Nov	Dec	Jan	Feb
New Modifications	0	0	1 <i>GC0153</i>	2 <i>GC0154</i> <i>GC0155</i>	0	1 <i>GC0156</i>
In-flight Modifications	19	17	15	17	17	18
Modifications issued for workgroup consultation	1 <i>GC0151</i>	0	0	0	0	0
Modifications issued for Code Administrator Consultation	2 <i>GC0151</i> <i>GC0137</i>	1 <i>GC0152</i>	1 <i>GC0138</i>	1 <i>GC0153</i>	1 <i>GC0138 (re-issue)</i>	0
Workgroups held	2	4	4	4	4	6
Authority Decisions	0	0	1 <i>GC0151</i>	0	1 <i>GC0137</i>	1
Implementations	1 <i>GC0134</i>	1 <i>GC0150</i>	1 <i>GC0151</i>	1 <i>GC0152</i>	0	1 <i>GC0137</i>



Workgroup Reports

None

Draft Final Modification Reports (DFMR)

GC0138 – Compliance process technical improvements (EU and GB User)

Nisar Ahmed, Code Administrator

GC0138 Background

This Proposal enables Users to undertake final testing with a high probability of success and quick turnaround of assessment without the additional burden of having everybody attending site where agreed. To achieve this, it is necessary to set out some additions to test procedures which are currently prepared based on on-site witnessing and to provide standards for the format of any test data sent to The ESO for review. Additionally, changes to technology and scale of technology being employed need to be reflected in the way requirements are fulfilled.

This modification is to update the Compliance Processes and European Compliance Processes sections of the Grid Code (CP & ECP) and Grid Code OC5 detailing Fault Ride Through testing, submission of test data, detailed test requirements and simulations.

GC0138 – Code Administrator Consultation

The Code Administrator Consultation was initially issued on the 03 November 2021 and closed on 03 December 2021. It received 2 responses, one from the ESO and the other from Scottish Power Renewables (SPR).

The Code Administrator re-issued the consultation due to an omission of typographical legal text changes suggested by some Panel Members to ECP and OC5 documents in the previous consultation. This allowed industry to view the full approved legal text to be implemented and provide a further opportunity for additional responses. The second consultation was issued on 10 January 2022 and closed 10 February 2022. The ESO submitted a duplicate of their first response again in the second consultation.

GC0138 – Code Administrator Consultation

Whether the GC0138 Original Proposal better facilitates the Applicable Objectives

One respondent partially believes that the Original Proposal better facilitates the applicable Grid Code objectives. This is because in their opinion although the number of scenarios to simulate could be large, they believe that the specifics of the FRT simulation scenarios could be agreed on a per project basis in the Bilateral Connection Agreement (BCA), and there is merit in having a baseline and guidance defined in the GB Grid Code.

The other respondent believes that the Original Proposal better supports applicable Grid Code objectives. In their opinion the Original Proposal will achieve these objectives by ensuring the Compliance Processes, the European Compliance Processes and OC5 of the Grid Code are updated to detail test requirements including Fault Ride Through and Factory Acceptance testing, harmonise submission of test data, and will clarify simulations.

GC0138 – Code Administrator Consultation

Support for the implementation approach

One respondent supports the implementation approach. They also believe that this proposal will codify the changes required to deliver a robust approach to testing simulations, ensure testing requirements are visible and unambiguous, and give affected parties a high level of confidence that their technologies are compliant.

However, the other respondent suggested that the agreed implementation date should be decided in a similar way to the changes made under RfG to the GB Grid Code such that the agreed date would not affect on-going projects with the introduction of new grid code requirements. This respondent also highlighted that currently there is a government CfD auction and implementing the changes prior to the CfD deadline will affect the cost of the projects and therefore feel it would be more prudent that a grace period is allowed for in the implementation of these new changes.

They also recommend that new proposed changes to the GB Grid Code in this modification should not be applied retrospectively and that the ECP 10.4 (b) should not be removed from the GB Grid Code because many wind turbine manufacturers use the MDPR (Manufacturer Data Paper Report) to declare compliance with the FRT requirements of the GB Grid Code for less complex connections/projects.

GC0138 – 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 recommend implementation
 - **Does the GC0138 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.

GC0138 Timeline

Milestone	Date
DFMR presented to Panel for recommendation vote	24 Feb 2022
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	28 Feb – 04 March 2022
FMR Issued to the Authority	07 March 2022
Authority Decision	TBC
Implementation	Within 10 days of receiving the Authority decision



Reports to Authority

None



Implementation Update

None

The background features several abstract, flowing yellow lines. In the top left, a series of curved lines sweep upwards and to the right. In the bottom left, another set of curved lines sweeps downwards and to the right. On the right side, three parallel diagonal lines extend from the bottom towards the top right. A horizontal line runs across the bottom, with a small step-up on the right side.

Governance

None



Grid Code Development Forum and Workgroup Day(s)



Rob Wilson, NGESO

Grid Code Development Forum – Previous and Next

2 February 2022 (Deadline for Agenda items - 25th January)

GCDF cancelled due to lack of agenda items

2 March 2022 (Deadline for Agenda items - 22nd February)

- Update to the TS3.24.70 Dynamic System Monitoring (DSM)
- Reduction in Short Circuit Levels and potential implications on Fault Ride Through

Standing Items

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

JESG Update

Joint European Stakeholder Group meeting was held on 08 February 2022

<https://www.nationalgrideso.com/calendar/jesg-meeting-8-february-2022>

The date of the next JESG meeting will be held 8 March 2022.

Updates on other industry codes



Blockers to Modification Progression

(February, May, August, November)

Blocker Code	Nov		Dec		Jan		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	-	No active delays as a result of prioritisation. However, GC0140 and GC0103 remain at the bottom of the stack as a result.
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	-	1	GC0138	0	-	Re-run of the Code Administrator Consultation due to incorrect version of legal text being issued.
Industry delay	0	-	0	-	2	GC0117	More complex modification than initial thinking, requiring more workgroups and complex solutions
						GC0148	Additional month required to issue Code Administrator Consultation. Delayed by one month.
Legal issues		-		-	-	-	
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	Mods to be raised in 2022 if required								
Offshore Co-ordination				Scoping & engagement									Expected to start in 2022												
Competitively Appointed Transmission Owners				Scoping & engagement												Expected start mid-2022 (subject to legislation)									
RfG version 2																		Expected to start mid 2022 (if required, subject to TCA)							

Electrical Standards

- **None**

Forward Plan Update/Customer Journey)

(Critical Friend Quarterly Update in Panel Pack – January, April, July and October.

Nisar Ahmed



AOB

Whole System Technical Code Update
Laetitia Wamala

New Modification Tracker
Nisar Ahmed

**Can the ESO clarify how they train out new modifications to
their control room and other relevant teams**
Chris Smith



Digitalised Whole System Technical Code (WSTC)

Update of Project Status to GCRP
February 2022

Digitalised Whole System Technical Code (WSTC) – Status Update



Purpose of Presentation

✓ Provide an update on programme

- 25 consultation responses received and shared with Steering Group.
- Stakeholders requested for a Steering Group that we have created; represents breadth of industry (incl. BEIS/Ofgem)
- Steering Group Vote for workstreams by 16/02/2022

✓ Next Steps to meet Go/No Go decision date of 31/03/22

- Scoping Documents (or equivalent) to be developed for each of the workstreams to inform the Go/No Go decisions.
- Go/No Go decision to be made separately for the different workstreams as requested by Steering Group
- DCRP & GCRP to write to Ofgem the outcomes of the Go/No Go decisions
- Steering Group meetings scheduled up to end of June 2022

If you have any further questions, please contact the team at
box.WholeSystemCode@nationalgrideso.com



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For information only

GB Grid Forming Best Practice Guide Update

- Best Practice guide has been split into 4 sections with an ESO lead for each section
- The full group has been meeting monthly for discussions and presentations on specific topics, sub group meetings are commencing in February.
- Completed Best practice guide is expected to be available for the July Panel

	Target date
Dechao- Sub-group 1 (Background and Fundamental knowledge):	
Full group presentation of section	28/04/2022
Section complete incorporating full group feedback	19/05/2022
Dechao- Sub-group 2 (Analysis methodologies):	
Full group presentation of section	28/04/2022
Section complete incorporating full group feedback	19/05/2022
Aleem/Derryl- Sub-group 3 (Modelling Requirement)	
Full group presentation of section	26/05/2022
Section complete incorporating full group feedback	16/06/2022
Gideon- Sub-group 4 (Compliance Testing)	
Full group presentation of section	23/06/2022
Section complete incorporating full group feedback	14/07/2022
send final document to panel for approval (July panel papers day)	20/07/2022
July Grid Code Panel	28/07/2022

Next Panel Meeting

**10am on 31 March 2022 via
Microsoft Teams**

Papers Day – 23 March 2022

**Modification Proposals to be
submitted by 16 March 2022**

Close



Trisha McAuley
Independent Chair, GCRP