

Grid Code Review Panel

Thursday 31 March 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
24 February 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).

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

Inflight Modification Updates

Modification timeline updates

- GC0117: Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Stations requirements
 - Two additional Workgroups required to allow for consideration of implementation options and allow legal text to be refined for WAGCMs
- GC0146: Solutions for frequency control of Power Park Modules
 - To continue in June
- GC0155: Clarification of Fault Ride Through Technical Requirements
 - To continue in June
- GC0156: Implementation of the Electricity System Restoration Standard
 - Updated timeline – allowing for more time
- GC0141: Compliance Processes and Modelling amendments following 9th August Power Disruption
 - Additional meeting required to repackage alternatives and re-vote

Terms of Reference updates

- GC0154: Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119
 - Terms of reference – requested amendment

Updated Timeline for GC0117

Milestone	Date	Milestone	Date
Workgroup Meeting 11	18 March 2022 - completed	Workgroup report presented to Panel	29 September 2022
Workgroup Meeting 12 – to detail out all WG alternates	27 April 2022	Code Administrator Consultation (1 month)	14 October – 14 November 2022
Workgroup Meeting 13 – refine legal text and compile WG consultations questions	24 May 2022	Draft Final Modification Report (DFMR) issued to Panel	16 November 2022
Workgroup Meeting 14 – finalise WG consultation document	23 June 2022	Panel undertake DFMR recommendation vote	24 November 2022
Workgroup Consultation	7 July – 29 July 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	30 November 2022
Workgroup Meeting 15 – review of WG consultation responses	16 August 2022	Final Modification Report issued to Ofgem	7 December 2022
Workgroup Meeting 16 (WG Vote)	15 September 2022	Implementation Date	TBC
Workgroup report issued to Panel	21 September 2022		

Updated Timeline for GC0146

Milestone	Date	Milestone	Date
Workgroup Meeting 1	8 December 2021 - completed	Workgroup report presented to Panel	29 September 2022
Workgroup Meeting 2	21 January 2022 - completed	Code Administrator Consultation (1 month)	10 October – 11 November 2022
Workgroup Meeting 3	21 February 2022 - completed	Draft Final Modification Report (DFMR) issued to Panel	16 November 2022
Workgroup Meeting 4	21 June 2022 – restart date	Panel undertake DFMR recommendation vote	24 November 2022
Workgroup Consultation	4 July – 27 July 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	30 November 2022
Workgroup Meeting 5	9 August 2022	Final Modification Report issued to Ofgem	7 December 2022
Workgroup Meeting 6 (WG Vote)	5 September 2022	Implementation Date	TBC
Workgroup report issued to Panel	21 September 2022		

Updated Timeline for GC0155

Milestone	Date	Milestone	Date
Proposal Presented to Panel	16 December 2021	Draft Final Modification Report (DFMR) issued to Panel	16 November 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.	10 February 2022	Panel undertake DFMR recommendation vote	24 November 2022
Workgroup 2 – Refresher: review and agree timeline and Terms of Reference, Review/Develop solution(s) and legal text, identify/assess possible alternatives.	07 June 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	28 November 2022 – 02 December 2022
Workgroup 3 – Develop Solution(s), agree/vote on alternatives, finalise Workgroup consultation (including agreeing Workgroup Consultation questions)	05 July 2022	Final Modification Report issued to Ofgem	06 December 2022
Workgroup Consultation (15 Working Days)	18 July 2022 – 8 August 2022	Ofgem decision	TBC
Workgroup 4 (Post Workgroup Consultation) – Review/assess Work group consultation responses and Workgroup Report.	23 August 2022	Implementation Date	10 working days after Ofgem decision
Workgroup 5 – Finalise solution(s) and legal text, agree that Terms of Reference have been met, Review Workgroup Report and hold Workgroup Vote	07 September 2022		
Workgroup Report issued to Panel (5 working days)	21 September 2022		
Panel sign off that Workgroup Report has met its Terms of Reference	29 September 2022		
Code Administrator Consultation	03 October 2022 – 03 November 2022		

Updated Timeline for GC0156

Milestone	Date	Milestone	Date
Proposal Presented to Panel	24 February 2022	Workgroup 10 – Review updated WG report and legal text following consultation responses, finalise solution(s) and legal text,	31 January 2023
Workgroup 1 – Understand / discuss proposal and solution, review and agree on Terms of Reference and Timeline, agree next steps.	26 April 2022	Workgroup 11 – Agree that Terms of Reference have been met, Review Workgroup Report and hold Workgroup Vote.	21 February 2023
Workgroup 2 – Review high level options and legal text, consider outputs from related modifications (such as GC0148).	19 May 2022	Workgroup Report issued to Panel (5 working days)	23 March 2023
Workgroup 3 –. Review high level solutions / options	16 June 2022	Panel sign off that Workgroup Report has met its Terms of Reference	30 March 2023
Workgroup 4 – Develop solution(s)/options, identify/asses any possible alternative solutions	14 July 2022	Code Administrator Consultation	03 April 2023 – 03 May 2023
Workgroup 5 – Conclude on preferred options / consider and agree on alternatives	18 August 2022	Draft Final Modification Report (DFMR) issued to Panel	17 May 2023
Workgroup 6 - Develop WG consultation questions and report, assess alternatives (if applicable)	20 September 2022	Panel undertake DFMR recommendation vote	25 May 2023
Workgroup 7 – Refine WG consultation report and legal texts, agree alternatives	20 October 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	29 May 2023 – 02 June 2023
Workgroup 8 – Finalise Workgroup Consultation and legal text	10 November 2022	Final Modification Report issued to Ofgem	05 June 2023
Workgroup Consultation (15 Working Days)	21 November 2022 – 09 December 2022	Ofgem decision	TBC
Workgroup 9 – Review/assess consultation responses	17 January 2023	Implementation Date	10 working days after Ofgem decision

Updated Timeline for GC0141

Milestone	Date	Milestone	Date
Workgroup Meeting 16	12 April 2022	Panel undertake DFMR recommendation vote	30 June 2022
Workgroup report issued to Panel	20 April 2022	Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	01 July 2022 – 08 July 2022
Workgroup report presented to Panel	28 April 2022	Final Modification Report issued to Ofgem	12 July 2022
Code Administrator Consultation (1 month)	05 May 2022 – 08 June 2022	Implementation Date	10 working days following Authority decision
Draft Final Modification Report (DFMR) issued to Panel	22 June 2022		

ASK of Panel

- APPROVE the updated timelines

GC0154 Updated Terms of Reference

Workgroup Term of Reference	Location in Workgroup Report (to be completed at Workgroup Report stage)
a) Implementation and costs;	
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; and	
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	
d) Consider EBGL implications	
e) The workgroup should fulfil the requirements of Ofgem's decision letter of 6 August 2019 approving the ESO's submission of Synchronous Area and LFC (Load frequency control area) Block Operational Agreement methodologies as required to comply with the System Operator Guideline, now forming retained GB Law, including the requirement to form a solution to incorporate interconnector ramping in the Grid Code.	
f) The workgroup should consider how this code change will impact other cross border discussions and the ongoing work in relation to the Trade Cooperation Agreement (TCA).	
g) The workgroup should consider how this change will be implemented for existing interconnectors, in progress interconnector connections and for future interconnector connections.	
h) The workgroup is to note that this modification is only seeking to address SOGL Article 137 (3) (HVDC interconnector ramping) as referred to in (e) above. Ramping of BMUs is not in scope.	
i) The workgroup is to consider that any solution follows the principles set out within the Intermediate GB LFC Block Operational Methodologies which were developed to document those requirements already covered in the GB codes and outline the remaining obligations not covered by the GB codes. Use of the supporting document developed to accompany the methodology text will support this.	
j) The workgroup is to identify and consider any viable alternatives, or combination of solutions to those mechanisms initially indicated, outlining key or conceptual principles, and moreover the benefits when tested against the grid code modification objectives. These alternatives if appropriately supported are to be considered in the concluding narrative of the working party report.	

ASK of Panel

- APPROVE the updated the terms of reference (workgroup have proposed an additional point j in red)

Panel Tracker

Jennifer Groome

Prioritisation Stack

Dashboard – Grid Code (as at 22 March 2022)

Category	Oct	Nov	Dec	Jan	Feb	Mar
New Modifications	0	1 <i>GC0153</i>	2 <i>GC0154</i> <i>GC0155</i>	0	1 <i>GC0156</i>	0
In-flight Modifications	13	14	14	14	13	12
Modifications issued for workgroup consultation	0	0	0	0	0	0
Modifications issued for Code Administrator Consultation	1 <i>GC0152</i>	1 <i>GC0138</i>	1 <i>GC0153</i>	1 <i>GC0138</i> <i>(re-issue)</i>	0	0
Workgroups held	4	4	4	4	6	5
Authority Decisions	0	1 <i>GC0151</i>	0	1 <i>GC0137</i>	1 <i>GC0133</i> <i>(Rejected)</i>	0
Implementations	1 <i>GC0150</i>	1 <i>GC0151</i>	1 <i>GC0152</i>	0	1 <i>GC0137</i>	1 <i>GC0153</i>

Standing Items

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



Grid Code Development Forum and Workgroup Day(s)

**Rob Wilson, NGESO**

Grid Code Development Forum – Previous and Next

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

Update to the TS3.24.70 Dynamic System Monitoring (DSM)

A presentation was shared in relation to an update of the TS3.24.70 Dynamic System Monitoring (DSM), providing some of the supporting ideas in relation to:

- *Why are DSMs required*
- *What changes have been made*
- *Any parallel/future work*

Reduction in Short Circuit Levels and potential implications on Fault Ride Through

A verbal update was provided to raise the awareness of some of the challenges related to the reduction in short circuit levels in the transmission system and its potential implications on fault ride through. One of the issues identified is that classical short circuit levels indices may not be representative of system strength and that other indices may need to be used. Following on this, NGE SO have recently published a System Operability Framework paper to outline our thoughts on the issue and summarise the various indices that may be used to quantify system strength. A webinar took place on 10th March to present the paper and discuss the options presented and their suitability for use in assessing system strength and fault ride through.

Increasing participation / interaction at future GCDF's

The ESO invited discussion in relation how we can increase participation and interaction at future GCDF's e.g., are there particular subjects that participants would like to hear about or be kept informed of?

6 April 2022 (Deadline for Agenda items - 29th March)

Agenda items TBC, but future agenda items will include:

- **SQSS Review Update**
- **Whole System Technical Code Project Update**
- **CATO/Early Competition**
- **Offshore Co-ordination**

JESG Update

Joint European Stakeholder Group meeting was held on 08 March 2022

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

May JESG has been cancelled.

The date of the next JESG meeting will be held 26 April 2022.

Updates on other industry codes

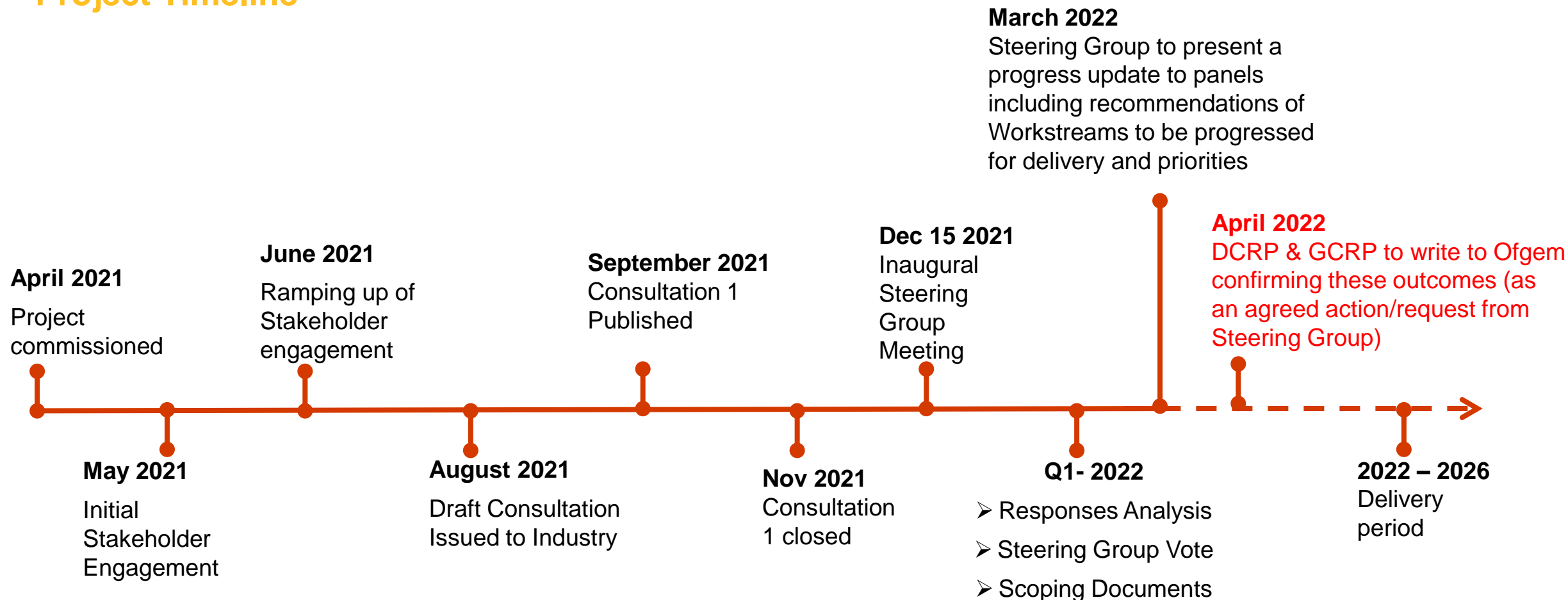
Digitalised Whole System Technical Code (dWSTC)

Project Status Update to GCRP – March 2022
Frank Kasibante

Purpose of Presentation

- Update on progress
- Provide an insight into the process that has been followed
- Set out the next steps

Project Timeline



Progress Update

Process followed

- Broad stakeholder engagement to formally provide their views.
- Draft consultation was opened to industry for comment
- Consultation 1 published
- During the consultation period there were webinars that allowed industry to ask questions and also provide verbal responses
- 25 consultation responses received and analysed
- Stakeholders requested for a Steering Group to give strategic direction to the project
- Steering Group that represents breadth of industry (incl. BEIS/Ofgem) initiated
- Responses Analysis provided to Steering group included Proposed Solutions extracted from stakeholder responses
- Steering Group provided Go/No-Go decisions on each of the Proposed Solutions
- Proposed Solutions with Go decision amalgamated into 7 workstreams to be progressed
- Scoping Documents (or equivalent) developed for each of the workstreams

Next steps

- Steering Group to agree on scope and decide on prioritisation
- Steering Group to write to Panels with recommendations of Workstreams to be progressed for delivery
- DCRP & GCRP to write to Ofgem summarising outcomes
- Industry engagement to update stakeholders on the scope outcome at the end of Year 1
- Delivery phase

Summary of Workstreams and Priorities

Recommended to be progressed:

- Digitalisation - project team being established and scope to be presented to April Steering Group meeting
- Guidance and training
- Code content considerations (alignment, simplification & rationalisation) - comments sought on draft scoping documents, to be agreed at April meeting
- Improving SQSS Governance

Not recommended:

- Code Administrator Performance Improvement – part of existing CACOP process. Not to be included in project.
- Consolidation – too great a dependency on Energy Code Reform outcomes (this may be reviewed on publication of the ECR outcomes)

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



AOB

April face-face Panel

Sanctions

Next Panel Meeting

**10am on 28 April 2022 via
Microsoft Teams**

Papers Day – 21 April 2022

**Modification Proposals to be
submitted by 14 April 2022**

Close



Trisha McAuley
Independent Chair, GCRP