

# Grid Code Review Panel (GCRP) 28 September 2023

## Grid Code Review Panel Minutes

**Date:** 28/09/2023      **Location:** Microsoft Teams  
**Start:** 10:00 AM      **End:** 11:45 AM

## Participants

Attendee	Initials	Representing
Jon Wisdom	JWi	Acting Independent Grid Code Review Panel Chair
Milly Lewis	ML	Panel Secretary, Code Administrator
Lizzie Timmins	LT	Panel Technical Secretary, Code Administrator
Alan Creighton	AC	Panel Member, Network Operator Representative
Alastair Frew	AF	Panel Member, Generator Representative
Darshak Shah	DS	Panel Member, Generator Representative
David Monkhouse	DM	Panel Member, Offshore Transmission Licensee Representative
Graeme Vincent	GV	Alternate, Network Operator Representative
Gurpal Singh	GS	Authority Representative
Jamie Webb	JW	Panel Member, National Grid ESO
John Harrower	JH	Panel Member, Generator Representative
Nadir Hafeez	NH	Authority Representative
Rashmi Radhakrishnan	RR	Panel Member, BSC Representative
Richard Woodward	RW	Alternate, Onshore Transmission Licensee Representative
Robert Longden	RL	Panel Member, Supplier Representative
Sigrid Bolik	SB	Panel Member, Generator Representative

## Apologies

Attendee	Initials	Representing
Matthew White	MW	Panel Member, Network Operator Representative
Ross Kirkwood	RK	Panel Member, Onshore Transmission Licensee Representative
Trisha McAuley	TM	Independent Panel Chair

## Presenters / Observers

Attendee	Initials	
Catia Gomes	CG	ESO, Code Administrator / Presenter GC0154 Workgroup Report

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Louise Trodden	LTr	ESO, European Codes Team / Presenter GC0154 Workgroup Report
Paul Mullen	PM	ESO Connections / Presenter Connections Delivery Board
Sarah Carter	SC	ESO, Code Administrator Team Manager/Presenter - Chairs Update
Tony Johnson	TJ	ESO, Technical Codes Team/Presenter- GC0156 - Related Electrical Standards and documentation Update

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## 1. Introductions, Apologies and Declarations of Interest

9766. Apologies were received from Matthew White, Ross Kirkwood, and Trisha McAuley. No declarations of interest were noted.

## 2. Minutes from previous meetings

9767. The minutes from the Panel meeting held on 24 August 2023 were approved subject to the incorporation of amendments from AF and GV.

## 3. Review of actions log

9768. ML advised that there were two open actions from the previous Panel meeting. One action was regarding GC0148, and the other regarding GC0156. ML advised on the updates to both actions and Panel agreed to close them.

## 4. Chair's update

9769. The Chair advised that TM is hoping to be back for the 26 October 2023 Panel, but JWi has been lined up as a back up to cover the Special Grid Code Review Panel on 12 October 2023 if required.

9770. JWi advised that he will be leaving his role as of 02 October 2023.

## 5. Authority Decisions

9771. GS advised that GC0161 was approved by the Authority on 15 September 2023, and that a decision on GC0156 is expected on 31 October 2023.

## 6. New Modifications

9772. There were no new Modifications presented to the Panel.

## 7. In flight modification updates

9773. ML talked the Panel through the progression of the in-flight modifications. The modification tracker can be found within the Grid Code Review Panel papers pack on the National Grid ESO website via the following link:

<https://www.nationalgrideso.com/document/288741/download>

### GC0139: Enhanced Planning-Data Exchange to Facilitate Whole System Planning

9774. ML advised the Panel that the Workgroup have requested a timeline extension to allow more time for the ENA analysis to be carried out.

9775. ML queried whether the Panel would like an update from the Proposer and Chair of the modification, since the timeline has been amended several times.

9776. RL queried whether there was anything else on the horizon for this Workgroup that may affect the timeline.
9777. ML clarified that they were hoping the analysis would answer more questions for the Workgroup.
9778. RL queried whether an overview of work still to be completed could be provided to the Panel following completion of the analysis (Action 440).
9779. The Panel unanimously agreed to the timeline extension.

#### **GC0159: Introducing Competitively Appointed Transmission Owners**

9780. ML clarified that legislation impacting the CATO modifications has not yet been published, and that timelines would be provided to Panel following this.
9781. RW queried whether all Panels could have the same update regarding CATO modifications (Action 441).

### **8. Prioritisation Stack / Dashboard**

9782. The Panel reviewed the prioritisation stack and agreed that no changes were required.
9783. The prioritisation stack can be found via the following link:  
<https://www.nationalgrideso.com/document/288821/download>

### **9. Workgroup Reports**

#### **GC0154: Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119**

9784. CG presented the Workgroup Report for GC0154 to the Panel, clarifying that within this modification, the ESO and Workgroup members had conflicting views. CG clarified the difference between the Original solution and WAGCM1 and explained that the Workgroup believe they have met all Terms of Reference.
9785. AC expressed that it was difficult to determine whether the Terms of Reference had been fully met, due to the conflicting views.
9786. CG clarified that there were discussions within the Workgroup on the differing views but clarified that the Workgroup believed the Terms of Reference had been met.
9787. RL queried whether AC was confident that there was enough information in the Workgroup Report for a decision to be made, despite the conflicting views.
9788. AC expressed his view that it was clear that several Workgroup members did not agree with the work completed in the analysis by Baringa.
9789. JW clarified that the difference of opinion was based on the purpose of the modification, with financial impacts to Interconnectors and the ESO conflicting. JW agreed that all parties had had a chance to express their opinions and believed that the Terms of Reference had been met by the Original proposal and WAGCM1. Both options have been backed up with analysis to support them.
9790. AF queried the current arrangements for Ramping Rates within the Grid Code, and whether they applied to Interconnectors already. AF also queried whether there had been any discussions with European TSOs.
9791. JW clarified that the CBA took the impacts on European networks into account.
9792. LTr clarified that the Grid Code does mention Interconnectors, however mentioned a caveat within the Grid Code.

9793. AF expressed a concern that the Workgroup Report does not make this obvious and queried what would occur if European requirements were different.
9794. LTr clarified that the Interconnector operator would need to comply with the Grid Code and stated that the European arrangements were different but that both requirements could coexist. LTr clarified that conversations had been had with European TSOs to discuss the issue of different arrangements and harmonisation of interconnected cables. The Original and WAGCM1 were both presented to these groups for discussion, however the outputs of European TSO discussions have not been provided to the ESO.
9795. AF queried whether these outputs need to be provided to the ESO prior to the Workgroup Report being agreed.
9796. LTr clarified that they will ask for responses from European TSOs to the Code Administrator Consultation.
9797. RL stated that it would be useful to understand what could occur in future in terms of the differing requirements between European TSOs and the Grid Code. RL also stated that it was easy for the ESO to evaluate benefits to itself, but not as easy to evaluate costs to other parties.
9798. JWi encouraged Panel members to review the Baringa analysis which shows consumer benefit to the Original proposal. It was highlighted that European harmonisation needs to be addressed in future (Action 442).
9799. AC queried whether the Original proposal and WAGCM1 could be implemented in practice if approved, considering harmonisation with Europe.
9800. JWi and LTr clarified that the Interconnectors' solution (WAGCM1) is the same as the status quo, so would not have an impact to Europe, only GB. The ESO's solution (Original) would not have a material impact on Europe. LTr stated that the meetings with ENTSOE were for the purpose of harmonisation with Europe, and clarified that Interconnectors have to operate within all parameters.
9801. The Panel requested an update covering the links/interaction of GB law and EU law with regards to the Grid Code (Action 442).
9802. DM queried whether the ramping rates were maximum rates, which LTr confirmed. DM stated that he did not see a conflict between TSOs in different countries as a result of this.
9803. ML queried whether the Panel were happy with the Workgroup having met their Terms of Reference, or whether they would need the Workgroup to complete more work on this.
9804. JWi stated that it would be useful to know the current Grid Code requirements and ensure they were made clear in the Workgroup Report.
9805. GS queried whether the European TSOs could respond to the Code Administrator Consultation. It was clarified by JWi that they would be asked to respond.
9806. AC queried whether the 50MW limit would work technically.
9807. LTr clarified that it was discussed within the Workgroup, and that there were no concerns regarding the technical feasibility from Workgroup members.
9808. AC stated that the legal text did not explain clearly what parties needed to do and queried whether it could be revised, agreeing to circulate his comments to the Proposer.
9809. The Panel agreed unanimously that the Workgroup have met their Terms of Reference, and can proceed to Code Administrator Consultation, subject to legal text amends.
9810. ML clarified that the timeline may need to be delayed, dependent on the volume of amends.

## 10. Draft Final Modification Reports

9811. There were no Reports presented to the Panel.

## 11. Reports to Authority

9812. There were no updates for the Panel.

## 12. Implementation updates

### GC0148: Implementation of EU Emergency and Restoration Code Phase II

9813. ML provided an update on GC0148 following the approval on 18 August 2023. ML clarified that this modification was implemented on 04 September 2023. ML clarified that TJ would be attending GCDF and be updating the letters in due course.

## 13. Governance

9814. There were no updates for the Panel.

## 14. Grid Code Development Forum (GCDF)

9815. JW advised that the the last meeting was held on 06 September 2023, and covered the following items:

- Request for EMT Model for Existing Generators
- Grid Forming

9816. The meeting papers and presentation can be found via the following link:

<https://www.nationalgrideso.com/calendar/grid-code-development-forum-gcdf-06092023>

9817. The next meeting is planned for 04 October 2023 and the deadline for agenda items was 27 September 2023, so these are currently being finalised.

9818. DS queried alignment with other ongoing technical Working groups.

9819. JW clarified that the sub-groups are separate from GCDF, due to their technical nature, and agreed to add updates from outside GCDF into the Panel slides going forward (Action 443).

## 15. Standing Groups

### **Distribution Code Review Panel Update**

9820. AC advised that there has been no Distribution Code Review Panel meeting since the last Grid Code Review Panel meeting, and that the next meeting is on 05 October.

### **Joint European Stakeholder Group (JESG)**

9821. The Chair advised that the previous meeting took place on 12 September 2023; the meeting materials and headline report can be found at the following link:  
<https://www.nationalgrideso.com/calendar/jesg-meeting-12-september-2023>.

9822. The next meeting will take place on 10 October 2023.

9823. JW clarified that ENTSO-E have published a consultation regarding new Requirements for Generators (RfG) and Demand Control and stated that the ESO are monitoring this. The UK is not obligated to comply with these EU regulations however JW stated that the ESO may choose to comply with this in future.

9824. GV clarified that DNOs are also keeping an eye on developments.

## ESO

9825. RL stated that it is useful to keep up to date with requirements, given that manufacturers would likely be complying with European standards, and also expressed concern with divergence from standards.
9826. AC queried whether the final RfG document had been published, and JW clarified that it was only published as part of a consultation.
9827. RW highlighted that industry may still want to follow some aspects of RfG, and queried whether this could be adopted into the Grid Code via a modification. JW clarified that this was a possibility and stated that the ESO would be looking to analyse the requirements once published, to make recommendations.
9828. GV highlighted that any modifications would need to be compatible with UK law.

### 16. Updates on other Industry Codes

9829. ML advised that the Code Administrator Code of Practice (CACoP) Survey is open until the end of October 2023, regarding CACoP principles. ML also advised that the ESO will become Chair of the CACoP forum as of January 2024.
9830. ML advised that the ESRS modifications will all be with Ofgem imminently, apart from the BSC modification.
9831. RR advised that P451 will be issued to Ofgem on 15 November 2023. RR also advised that there was a BSC consultation on Elexon ownership change, with impacts on all BSC parties. System Integration Testing for MHHS is due to start on 30 October 2023.
9832. AC queried whether Ofgem would be waiting until 15 November 2023 to make a decision on all ESRS modifications.
9833. GS clarified that they were planning to deal with the BSC modification separately from the other ESRS modifications.

### 17. Electrical Standards

#### **GC0156 - Related Electrical Standards and documentation**

9834. TJ thanked Panel members for their comments on the GC0156 Related Electrical Standards and documentation and clarified that he had not been able to respond to these yet. It was queried whether these comments could be dealt with in an offline meeting with the Panel members who had provided comments. TJ confirmed that there was an action on Panel members to comment on the RES circulated with the Panel papers. This was agreed by the Panel.
9835. AC queried the inclusion of the Communications standard within the Panel papers pack.
9836. TJ clarified that the document was not available for the August Grid Code Review Panel, and it had been updated for review at the September Panel.
9837. GV queried whether changes had been made to the document, and TJ confirmed that there were minor changes within table 1.0 of the document.

### 18. Code Administrator Update

9838. SC provided an update on Energy Code Reform and discussed potential improvements to the Code Manager process.
9839. SC confirmed that Energy Code Reform is still a couple of years away, and that Code Admin are currently looking into short term solutions in the meantime.
9840. RL praised the work being done to simplify articulation of the Grid Code requirements (which would remain unchanged) and make it more user-friendly. RL clarified the importance of Users.

9841. RW asked for a similar update to be provided to the STC Panel (Action 444).

## 19. Any Other Business (AOB)

9842. GS gave an update on the FSO programme. A consultation has been published regarding the two new licenses the FSO is expected to hold, to enable a change in Ownership to Elexon. An update is due to be published, which will contain further information on the Workgroup phase and will respond to the questions and concerns put forward by Industry. The Workgroup will be looking at a package of Code Modification proposals. GS asked for Panel members to get in touch with any questions or concerns so that Panel can be kept up to date and thanked the Panel for their input so far.

9843. ML advised the Panel of the proposed Grid Code Review Panel dates for 2024, highlighting where some Panel meetings were not the last Thursday of the month. ML advised that invitations to Panel meetings will be sent out in due course.

9844. PM gave an update on the Connections Delivery Board, highlighting a need to coordinate several changes within ESO Connections. PM advised that Ofgem and DESNZ have asked the ESO Connections Reform team to set up a new external group to coordinate the changes. The Connections Delivery Board is expected to be run by Ofgem or DESNZ to provide steer. PM advised that a CUSC Issue Steering Group sub-group has been set up to address some of the 5 point plan, which will continue. A Connections Process Design Group is being proposed to provide a steer on connections reform implementation, and to inform changes required across codes. PM advised that this will not change what occurs at the Code Panels, however it should ensure that modifications are better thought through and coordinated prior to being proposed to Panels.

9845. AC queried whether there was scope for misunderstanding of roles within the groups and highlighted that the activities of this new group needs to be well coordinated with the activities of existing groups considering the connections process (e.g. the Strategic Connections Group) to avoid duplication.

9846. DS queried overlapping between the Strategic Connections Group and Connections Process Design Group, and queried what would happen with modifications. PM clarified that the Strategic Connections Group would look at the Distribution side, and the Connections Process Design Group would look at the Transmission side, however they would ensure coordination between those. DS queried whether these groups had already been established. PM clarified that the Connections Process Design Group would be a new group, and that they were looking to set this up before the end of November.

9847. RL highlighted that supportive information would be required when publishing plans, to fully explain the purpose of the groups.

## 22. Close

9848. The Chair thanked the Panel for their time and contribution and brought the meeting to a close.

**A Special Grid Code Review Panel meeting will be held on 12 October 2023 via Microsoft Teams.**

**Papers Day for the Special Grid Code Review Panel is 09 October 2023.**

**The next Grid Code Review Panel meeting will be held on 26 October 2023 in Faraday House.**

**New Modification Proposals are to be submitted by 11 October 2023.**

**Grid Code Review Panel Papers Day is 18 October 2023.**