



Grid Code Review Panel

Thursday 27 June 2024

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**.

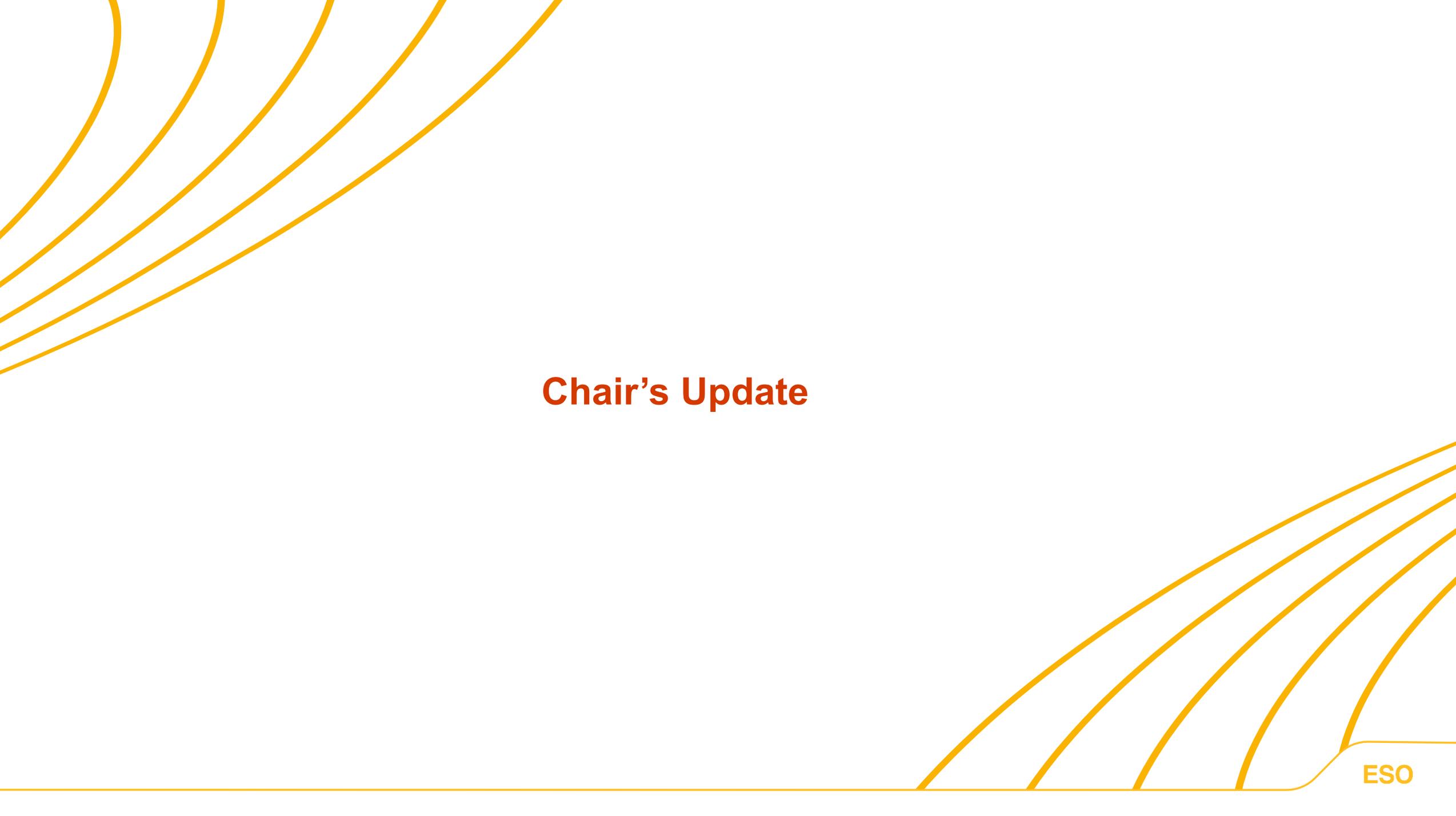
Duties of Panel Members & Alternates (GR.3.3)

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.

Action Log

Action No.	Status	Action	Date raised	Owner	Due	Comments and Updates
456	Open	Ofgem ECR team to be invited to a future Grid Code Review Panel to provide update around milestones	30/05/2024	GS/LT	August 2024	
457	Propose to close	Work with Panel Members to update the GC0171 legal text and provide clarity within the Code Administrator Consultation document ahead of publishing	30/05/2024	DH/LT	June 2024	GC0171 Code Administrator Consultation published on 05/06/2024, inclusive of clarity and amendments to legal text. Emails sent to DCode Panel to request circulation to their distribution lists.
458	Open	To create and circulate a process flow for Panel Recommendation Vote	30/05/2024	LT	July 2024	
459	Open	Process flow for new sections in code created that may fall into EBR	30/05/2024	SW	August 2024	Terms of Reference templates updated to reflect Electricity Balancing Regulation consideration as standard for all modifications.



Chair's 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

Standard Governance



Grid Code Review Panel

**GC0169 – Material Grid Code Changes
arising from Grid Code Modification
GC0136**

June 2024

Overview

- During Grid Code modification [GC0136: Non-material changes to the Grid Code following implementation of the EU Connection Codes](#), a number of material changes were identified requiring further work which necessitated a further modification
- The purpose of this modification is to address those issues arising from Grid Code Modification which can reasonably be addressed without requiring specialist input or detailed modelling and analysis.

Corrections arising from GC0136

- These issues are detailed in Annex 3 of the GC0136 of the Final Modification Report (Updated as Annex 1 in the GC0169 Proposal Form)
- The opportunity has been taken to identify which items can reasonably be addressed by a Workgroup without requiring specialist resource
- In summary these include:-
 - Glossary and Definitions - Caution Notice / Consistency of SI units / Interconnector Scheduled Transfer / Intraday Cross-Zonal Gate Closure Time
 - Change Grid Code references of SHETL to SHET
 - OC9.6.4 – Requires more work in formulation and to ensure the action is clear
 - BC2.13 – Interconnector Scheduled Transfer / Intraday Cross-Zonal Gate Closure Time / relationship with Glossary and Definitions
 - Ensure consistency between Grid Code and G99
 - General Conditions - Re-word Paragraph GC.5.2 and GC5.4 and confirm if clauses GC11.2 and GC15.1 can be simplified

Request of GCRP

- Agree the issue should progress via the standard Governance Process with a Workgroup noting that the changes are of a material nature
- Note that some issues identified following Grid Code Modification GC0136 are of a specialist nature and will require bespoke modifications (CP.A.3.2.1)
- It would be an advantage for Workgroup Members of this Modification to have some experience of GC0136 and Engineering Recommendation G99.
- It is proposed that the Workgroup be a Combined Grid Code / Distribution Code Workgroup and the Proposers understanding is that the Distribution Code Review Panel have agreed to this.
- Advise of any other issues relevant to this proposal
- In view of the similarities in expertise required between GC0169 and GC0173, it is proposed to have one Workgroup covering both modifications.

Critical Friend Feedback – GC0169

Code Administrator comments

Requested clarity and minor amendments throughout document

Queried EBR impact of the modification

Provided timeline

Amendments made by the Proposer

Proposer accepted all amendments made by the Code Administrator

Timeline for GC0169 – Proposed Timeline - Workgroup

Milestone	Date	Milestone	Date
Modification presented to Panel	26 June 2024	Code Administrator Consultation (1 calendar month)	30 July 2025 to 30 August 2025
Workgroup Nominations (15 business Days)	02 July 2024 to 23 July 2024	Draft Final Modification Report (DFMR) issued to Panel (5 business days)	17 September 2025
Workgroups 1 to 6	03 September 2024 02 October 2024 05 November 2024 03 December 2024 08 January 2025 04 February 2025	Panel undertake DFMR recommendation vote	25 September 2025
Workgroup Consultation (15 business days)	10 February 2025 to 03 March 2025	Final Modification Report issued to Panel to check votes recorded correctly	29 September 2025 to 06 October 2025
Workgroups 7 to 10	20 March 2025 14 April 2025 14 May 2025 18 June 2025	Final Modification Report issued to Ofgem	07 October 2025
Workgroup report issued to Panel (5 business days)	16 July 2025	Ofgem decision	TBC
Panel sign off that Workgroup Report has met its Terms of Reference	24 July 2025	Implementation Date	10 business days after decision

GC0169 – the asks of Panel

- **AGREE** that this Modification has a clearly defined defect and scope
- **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 to be impacts on the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the proposed timeline, which is in line with the timeline for GC0173, as requested by the Proposer

Grid Code Review Panel

GC0173 – Consistency of Technical and Compliance Requirements between GB and European Users

June 2024

Overview

- Following the Implementation of the European Connection Network Codes (Requirements for Generators (RfG), Demand Connection Code (DCC) and HVDC Network Code) into the GB Grid Code a number of inconsistencies were identified between the Connection Conditions and European Connection Conditions.
- A few other material issues also need correcting for consistency purposes for example data required in respect of thermal storage technologies as required under the Planning Code in addition to some related issues in the European Compliance Processes (ECPs) and consistency with G99.
- The purpose of this modification is to address these issues whilst ensuring the provisions of the EU Connection Network Codes are retained.

Alignment between Connection Conditions and European Connection Conditions and General Corrections

- Propose to remove thermal storage technologies in PC.A.3.4.1 eg Latent Heat Storage, Thermochemical Storage and Sensible Heat Storage
- CC/ECC3.3.2 – Change GB Generator and EU Generator to Embedded Medium Power Station not subject to a Bilateral Agreement
- Frequency Sensitive Relays CC/ECC.6.3.13
 - CC.6.3.12 prohibits the use of rate of change of frequency relays which was not carried over into the ECC's when RfG was implemented.
- Mandatory Ancillary Services CC/ECC.8.1
 - Clarification required between CC/ECC.8.1 - CC.8.1 defines Ancillary Services requirements in terms of Large and Medium Power Stations and ECC.8.1 defines the requirements in terms of Type C and Type D Power Generating Modules.
 - Amend ECC.8.1 (c) as it contradicts ECC.8.1 (a) for directly connected Medium Power Stations.
 - Clarification for Embedded Medium Power Stations (BEGAs) defining the requirement for an MSA other than in respect of Embedded Small Power Stations
- ECP.A.6.4 and ECP.A.6.2 - correct ECC References
- ECP.A.6.8.1 is not well written and should be updated to improve clarity

Interactions between Grid Code and G99

- Fault Ride Through: The Grid code specifies the simulation requirements in ECP.A.3.5 which includes unbalanced as well as balanced Supergrid voltage faults. This is missing from G99 where it only asks Users to provide unbalanced fault simulations
- Voltage Control Testing: $\pm 4\%$ step injection test is missing from G99

Request of GCRP

- Agree the issue should progress via the standard Governance Process with a Workgroup noting that the changes are of a material nature
- It would be an advantage for Workgroup Members of this Modification to have some experience of Engineering Recommendation G99.
- It is proposed that the Workgroup be a Combined Grid Code / Distribution Code Workgroup and the Proposers understanding is that the Distribution Code Review Panel have agreed to this.
- Advise of any other issues relevant to this proposal
- In view of the similarities in expertise required between GC0169 and GC0173, it is proposed to have one Workgroup covering both modifications.

Critical Friend Feedback – GC0173

Code Administrator comments

Amendments made by the Proposer

Requested clarity and minor amendments throughout document

Proposer accepted all amendments made by the Code Administrator

Provided timeline

Timeline for GC0173 – Proposed Timeline - Workgroup

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Panel sign off that Workgroup Report has met its Terms of Reference	24 July 2025	Implementation Date	10 business days after decision

GC0173 – the asks of Panel

- **AGREE** that this Modification has a clearly defined defect and scope
- **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 not to be any impacts on the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the proposed timeline, which is in line with the timeline for GC0169, as requested by the Proposer

New modifications submitted

Self-Governance





GC0174 - Removal of obligation for parties to provide EU Transparency Availability Data as specified in OC2.4.7

Grid Code Review Panel – 27th June 2024

What's the issue?

- CP1583 (Rationalising publication of European Transparency Regulation (ETR) data on Elexon Systems), is a Balancing and Settlement Code (BSC) modification raised by Elexon to review the ETR data provided by Market Participants and the ESO.
- Pre-January 2021, ETR data was submitted to ENTSO-E via Elexon's Balancing Mechanism Reporting Service (BMRS), with the requirement to submit this data to ENTSO-E falling away after January 2021 due to UK leaving the European Union (although the data continued to be published on BMRS).
- CP1583, identified a number of reports where the data was already been sent by the relevant parties to Elexon via Regulation (EU) No 1227/2001 on the wholesale energy market integrity and transparency (REMIT), or no longer has any data reported.
- As part of this review, and following approval of CP1583 on the 2nd November 2023, there is no longer any requirement for relevant parties to submit legacy ETR data to the ESO in respect of articles 7 and 15 of Retain EU Law (Commission Regulation (EU) 543/2013), to notify changes in unavailability of generation or consumption units which are sent via the Market Operation Data Interface System (MODIS) as specified in Operating Code (OC)2.4.7 of the Grid Code.

Why change?

- The approval of CP1583 now removes the obligations for relevant Users to submit the ETR data specified in OC2.4.7 in accordance with Schedule 6 of the Data Registration Code (DRC), to the ESO which is sent via MODIS to Elexon, as it is either no longer required or already submitted by Users to Elexon via REMIT.
- Elexon have now also moved from BMRS to a new data platform (Elexon Insights Solution), and as a result, any data submitted to BMRS will no longer be published.

The proposed solution

- The obligation for relevant Users to submit EU Transparency Availability Data currently specified in OC2.4.7 in accordance with Schedule 6 of the DRC will be removed.

Proposed Governance Route

- Some Users have already ceased sending this data due to the ESO (via MODIS), due to being made aware of the approval of CP1583 via the approval circulation from Elexon.
- The ESO have also made Industry participants aware of the removal of these obligations via the ESO Operational Transparency Forum (OTF) on the 12th June 2024.
- The proposal removes obligations from relevant Users and improve efficiencies, with no materiality as a result of these proposed changes.
- **On this basis, we believe that the modification should take the Self-Governance route and proceed directly to Code Administrator Consultation.**

Critical Friend Feedback – GC0174

Code Administrator comments

Requested clarity and minor amendments throughout document

Provided timeline

Amendments made by the Proposer

Proposer accepted all amendments made by the Code Administrator

Timeline for GC0174 – Proposed Timeline – Code Administrator Consultation

Milestone	Date
Modification presented to Panel	27 June 2024
Code Administrator Consultation (1 calendar month)	04 July 2024 to 05 August 2024
Draft Self Governance Modification Report issued to Panel (5 business days)	14 August 2024
Panel undertake Draft Self Governance Modification Report determination vote	22 August 2024
Final Self Governance Modification Report issued to Panel to check votes recorded correctly	27 August 2024 to 03 September 2024
Appeals Window (15 business days)	04 September 2024 to 25 September 2024
Implementation Date	02 October 2024

GC0174 – the asks of Panel

- **AGREE** that this Modification has a clearly defined defect, scope and solution
- **AGREE** that this Modification meets the Self-Governance Criteria (Panel decision) rather than Standard Governance (Ofgem decision)
- **AGREE** that this Modification should proceed to Code Administrator Consultation
- **NOTE** that there appear not to be any impacts on the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code
- **NOTE** the proposed timeline

Grid Code Self-Governance Criteria

Self-Governance Criteria

A proposed **Modification** that, if implemented,

(a) is unlikely to have a material effect on:

- (i) existing or future electricity consumers; and
- (ii) competition in the generation, storage, distribution, or supply of electricity or any commercial activities connected with the generation, storage, distribution or supply of electricity; and
- (iii) the operation of the **National Electricity Transmission System**; and
- (iv) matters relating to sustainable development, safety or security of supply, or the management of market or network emergencies; and
- (v) the **Grid Code**'s governance procedures or the **Grid Code**'s modification procedures, and

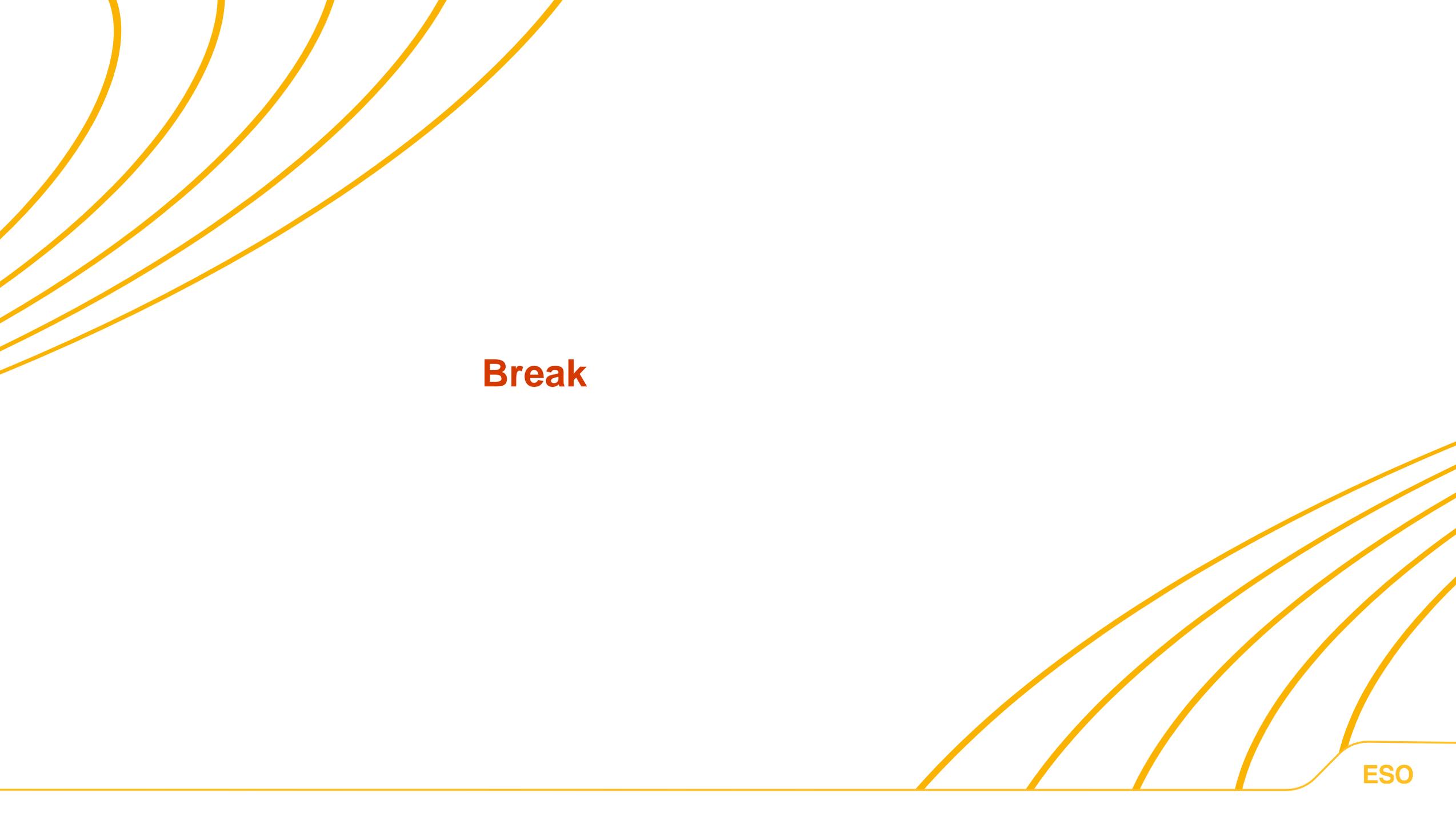
(b) is unlikely to discriminate between different classes of Users.

(c) other than where the modification meets the **Fast Track Criteria**, will not constitute an amendment to the **Regulated Sections** of the Grid Code.

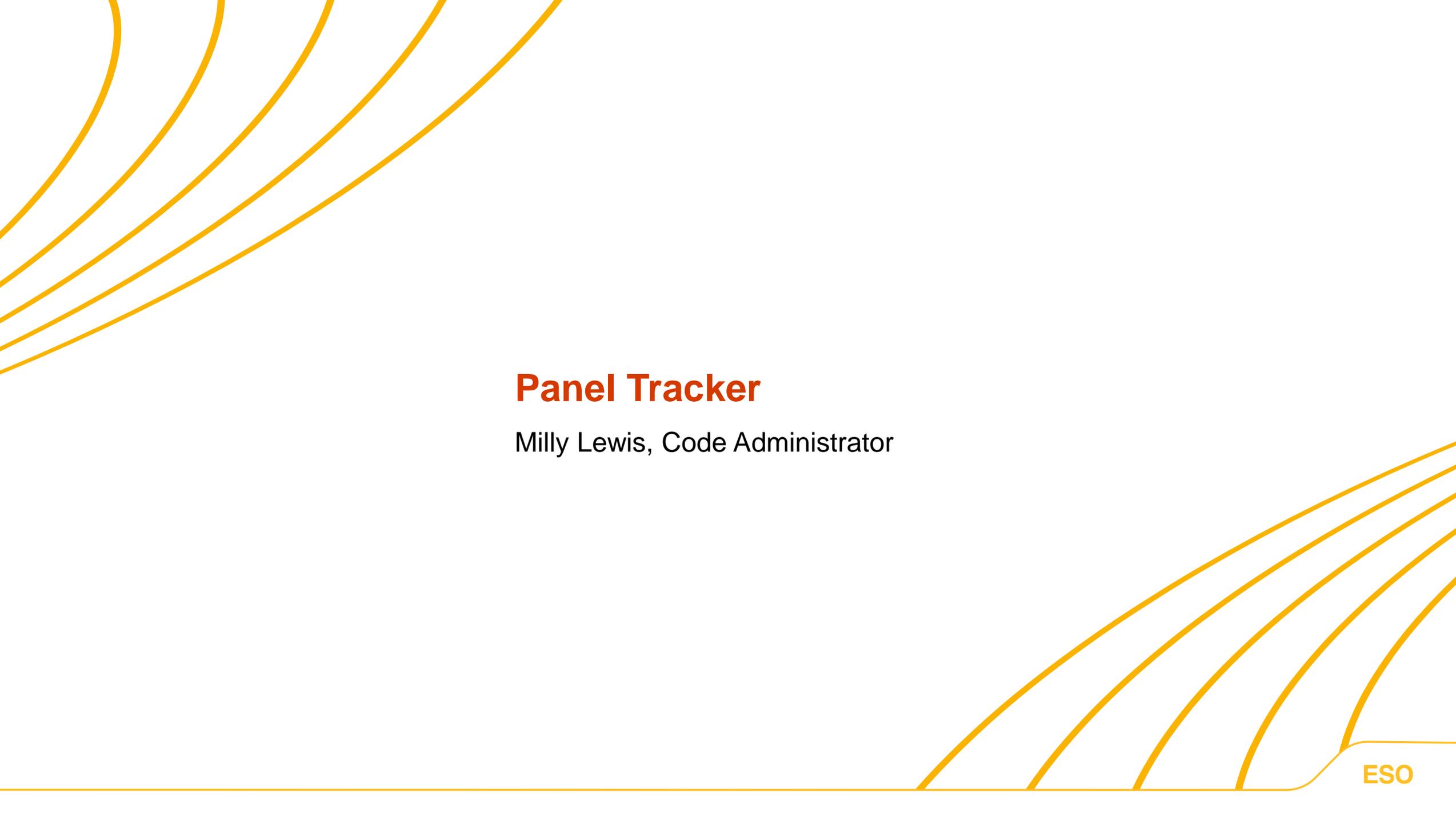


Inflight Modification Updates

Milly Lewis, Code Administrator



Break



Panel Tracker

Milly Lewis, Code Administrator

Grid Code - Prioritisation Stack



Mod Number	Previous Priority No:	Priority No	Title
GC0139	1	1	Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0155	2	2	Clarification of Fault Ride Through Technical Requirements
GC0163	(4 before CAC)	(4 before CAC)	GB Grid Forming (GBGF) - Removal of Virtual Impedance restriction
GC0159	(5 before CAC)	(5 before CAC)	Introducing Competitively Appointed Transmission Owners
GC0166	3	3	Introducing new Balancing Programme Parameters for Limited Duration Assets
GC0168	4	4	Submission of Electro Magnetic Transient (EMT) Models
GC0169	5	5	Material changes identified from Grid Code Modification GC0136 and Consistency of requirements between the Connection Conditions and European Connection
GC0164	6	6	Simplification of Operating Code No.2
GC0103	7	7	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0140	8	8	Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions

Grid Code Development Forum – Previous and Next

Claire Newton, NGESO

05 June 2024

System Event Investigation Findings – Quality Assurance – David Lacey, NGESO

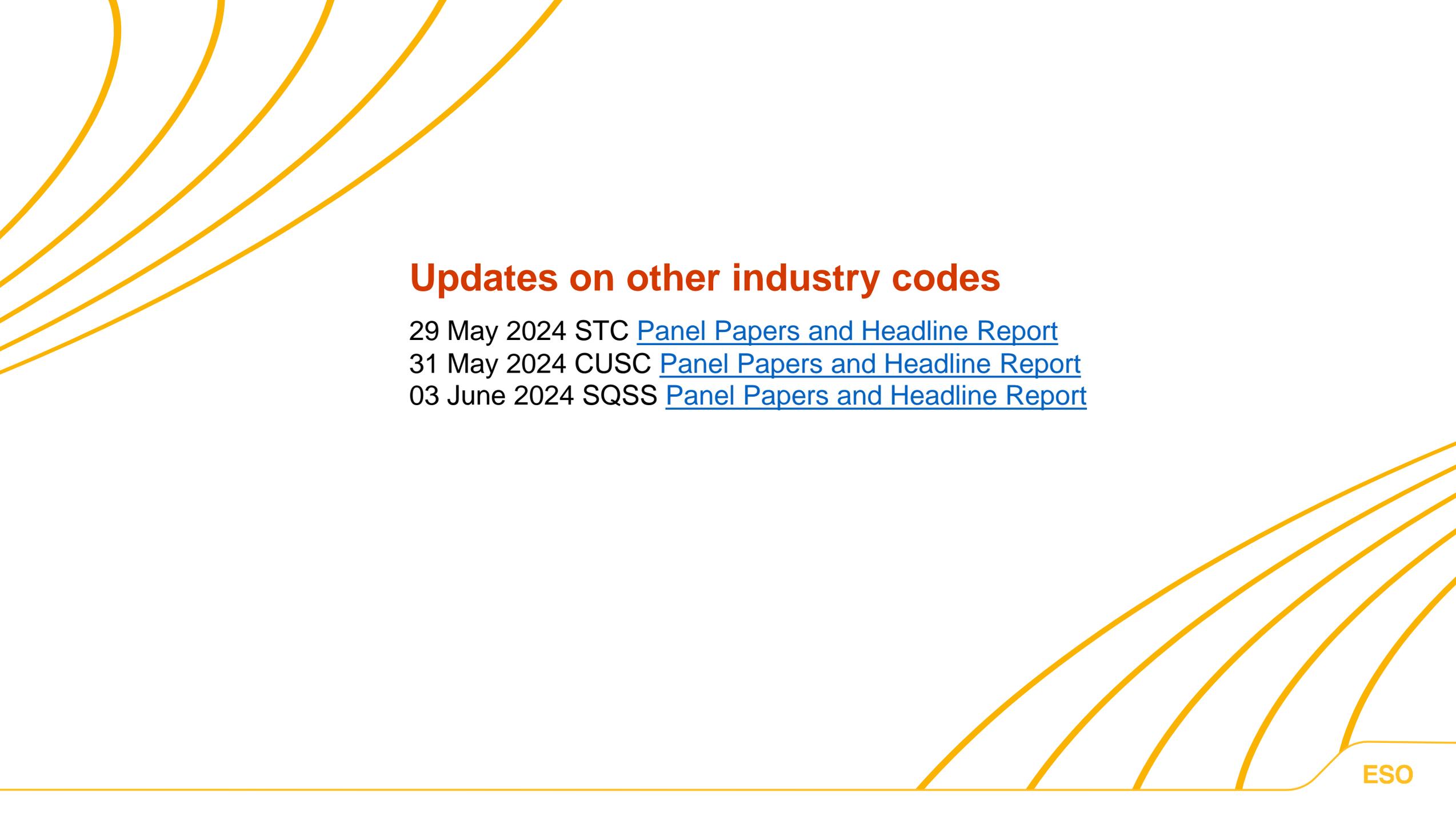
A presentation was shared in relation to the findings from System Event investigations, and potential Grid Code modifications to ensure quality assurance measures are in place for site commissioning activities.

03 July 2024 (Deadline for Agenda items – 26 June)

Agenda items TBC.

Standing Items

- Distribution Code Panel update (Alan Creighton)
- JESG Update (information only)
 - Previous meeting – 11 June 2024 (cancelled)
 - Next meeting – 09 July 2024

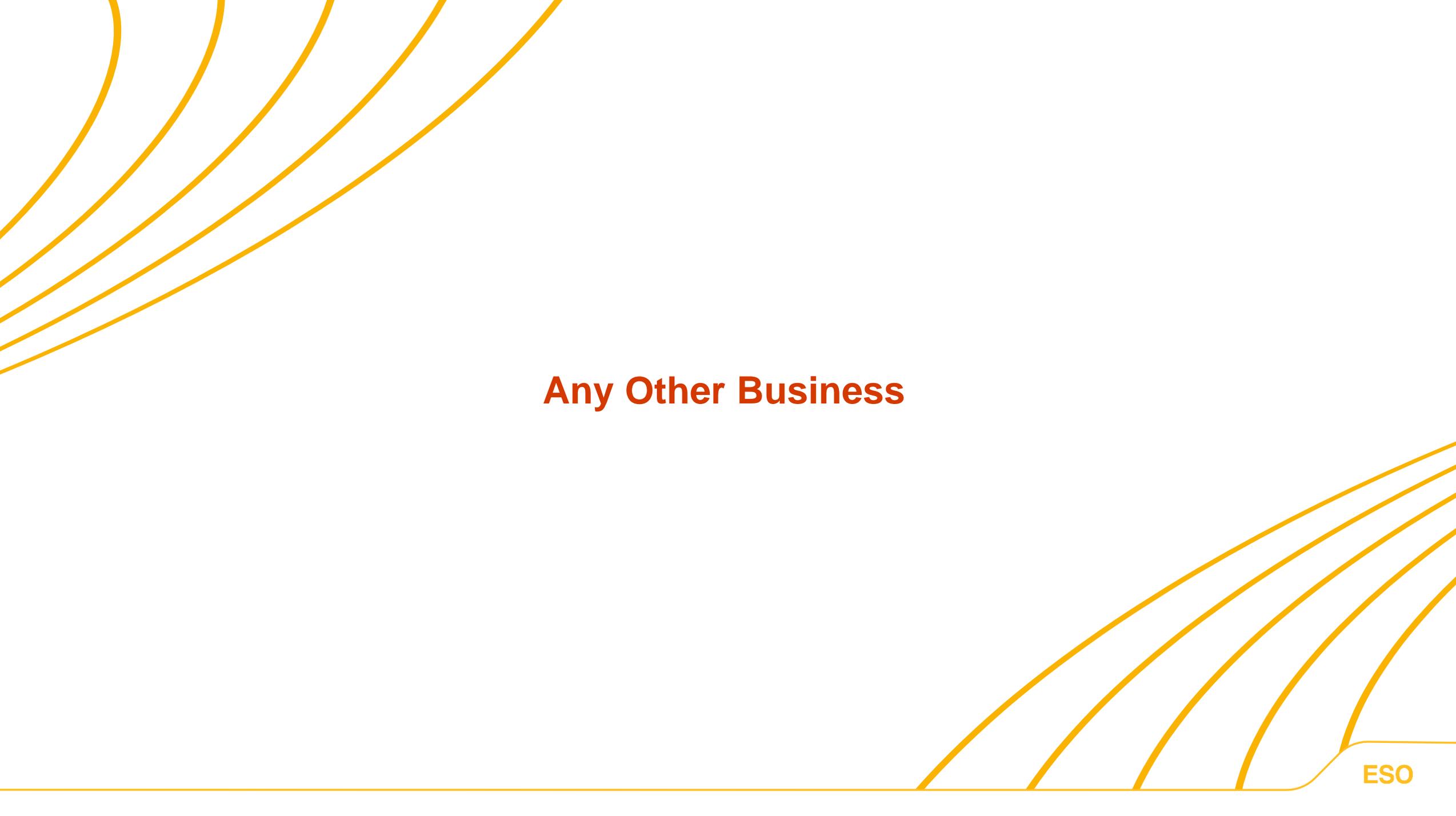


Updates on other industry codes

29 May 2024 STC [Panel Papers and Headline Report](#)

31 May 2024 CUSC [Panel Papers and Headline Report](#)

03 June 2024 SQSS [Panel Papers and Headline Report](#)



Any Other Business

Activities ahead of the next Panel Meeting

Grid Code Development Forum

03 July 2024

Modification Proposal Deadline for July Panel

10 July 2024

Papers Day

17 July 2024

Panel Meeting

25 July 2024
Faraday House

Close



Trisha McAuley

Independent Chair, Grid Code Review Panel