

Grid Code Review Panel

Thursday 25 June 2026

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 time 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 on 23 April and 19 May 2026

Action Log

Action No.	Status	Action	Owner	Comments and Updates
456	Open	Ofgem Energy Code Reform (ECR) team to be invited to a future Grid Code Review Panel to provide update around milestones	SS/DKC	The Ofgem ECR team may be invited to a future Grid Code Review Panel meeting to address specific questions or provide clarification, rather than a general milestone update.
465	Open	To provide a general update at a future Panel on the wider work going on in relation to Bilateral Embedded Generation Agreements (BEGAs)	CN	CN advised at the February Panel that NESO work is ongoing, but that the relevant teams are not yet in a position to share further detail.
484	Open	Baseline table errors to be fixed by a housekeeping modification first, rather than as part of GC0103.	AJ/CN	Update being made to the NESO website, ahead of modification being presented in June.
485	Open	Code Governance to provide some clarity on GC0178 timeline, resourcing and Workgroup scheduling to ensure momentum and avoid repeated delays.	SW	Timeline update for GC0178 will be provided post-procurement as requested by the Panel.

Chair's Update

Authority Decisions and Update (as of 19 June 2026)

Decisions Pending

Modification	Final Modification Report Received	Expected Decision Date
<u>GC0179: Removal of Balancing Code No.4 from the Grid Code</u>	11 March 2026	TBC
<u>GC0139: Enhanced Planning-Data Exchange to Facilitate Whole System Planning</u>	06 April 2026	TBC
<u>GC0164: Simplification of Operating Code No.2</u>	05 May 2026	TBC
<u>GC0176: Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code</u>	01 June 2026	TBC

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>

Grid Code Development Forum – Update

Claire Newton, NESO

The GCDF meeting on 03 June 2026 covered the following topics:

- New EDL Reason Codes for Real-Time Dynamic Response – A proposal to introduce new EDL Reason Codes to enable Real-Time Dynamic Response (RTDX). Most discussion focused on who could provide RTDX, and attendees raised concerns about work to shape a replacement for Mandatory Frequency Response (MFR).
- GC0166 Technical Implementation – An update on the technical implementation of requirements introduced through GC0166. The presentation made clear the ways in which Users were impacted by the implementation and the ways in which they could work with NESO to ensure compliance.
- AOB questions raised:
 - Attendees requested an update on the timeline and impacts of dynamic alignment with the EU.
 - Attendees requested an update on Energy Code Reform.

Presentation items and Minutes from the 03 June 2026 GCDF meeting can be found [here](#)

Next GCDF will take place on Wednesday 08 July 2026

Deadline for July agenda items – 26 June 2026

Final agenda items TBC.

New Modifications

- GC0184 'Revising Minimum Reactive Capability Requirements within ECC.6.3'
- GC0188 'Update for Centralised Strategic Network Plan'

GC0184 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
Acronyms to be expanded	Proposer accepted all amendments made by the Code Administrator
Included relevant link to code modification	
Minor typographical amendments	

GC0184: Revising Minimum Reactive Capability Requirements within ECC.6.3

Graham Lear, John Fradley,
NESO

What is the issue?

- The ability to maintain the voltage profile across the system, especially during high voltage situations at low demands, where plant outputs are minimal, is becoming more difficult as traditional synchronous machines are decommissioned.
- The minimum requirement for reactive capability was implemented into the Grid Code in June 2005. Growth in renewable plant, embedded generation, and other emerging technologies has resulted in significant operational changes to the Transmission System.
- Whilst much of the modern plant connecting to the system can outperform the existing minimum reactive capability requirement, there is no obligation to do so:
 - Mandatory Service Agreements do not necessitate a minimum requirement above and beyond that which is set out within ECC.6.3.2.
 - Generator Performance Charts must be submitted and adhered to, but do not necessitate a minimum technical requirement.
- The minimum reactive capability requirement needs to ensure the system is operable and remains stable over a range of conditions from high demand to low demand and over the seasonal variations of the year.
- This issue has been outlined within [Clean Power 2030 Annex 3: Operability and operations analysis](#)

What is the solution?

- Review and update the reactive capability requirements held within ECC.6.3.2 for new connections to ensure these are adequate for the present-day system as well as safeguarding against expected future changes.
- The primary focus would be to target technologies that can deliver additional capability without modification to Plant or need for additional Plant.
- Grid Code clause ECC.6.3.2.4, reactive capability for Type C and D Power Park Modules, HVDC Equipment and OTSDUW Plant and Apparatus at the Interface Point is proposed to align with Figure 1 below.

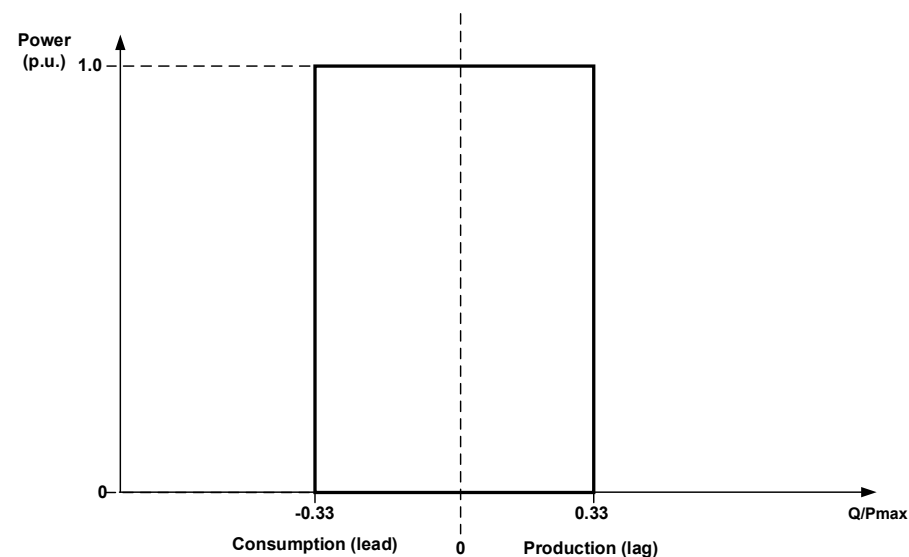


Figure 1

What is the solution?

- Appropriate amendments to other clauses would need consideration within Workgroup, including any specific technology limitation considerations.
- Additionally, the solution will clarify the reactive capability requirements for non-synchronous storage plant in both an import and export mode of operation, which is currently unclear.
- We will also review related issues identified through external engagement:
 - Where appropriate, correct any misalignment with the wording in CC on reactive capability requirements.
 - Ensure OC.2.4.2 captures all necessary parties who should submit performance charts.

What is in scope?

- Any User classifications currently caught by the requirements within ECC.6.3.2 is in scope, noting that the proposal would not be retrospective.
- This may also necessitate a Distribution Code change to align with these proposals.
- The market mechanisms to procure/utilise the capability is out of scope, noting that CUSC modification CMP457: Revision of the Obligatory Reactive Power Service (ORPS) has been raised.

Industry engagement and feedback

- This modification has been presented at GCDF and GCRP previously and various concerns have been taken on board:
 - The issue to be solved has been reframed for greater clarity of why a change is needed.
 - We will ensure any exclusions or modifications to the requirements based on technology type are considered. This shall be included in the ToR.
 - Other code clarifications – various other clarifications have been noted as beneficial, and these have been included as part of the proposed solution.

GC0184 Proposed Timeline

Milestone	Date	Milestone	Date
Modification presented to Panel	25 June 2026	Code Administrator Consultation (1 month)	04 May – 04 June 2027
Workgroup Nominations (15 Business Days)	26 June – 17 July 2026	Draft Final Modification Report (DFMR) issued to Panel (5 Business Days)	16 June 2027
Workgroups 1 – 4	04 August 02 September 30 September 29 October	Panel undertake DFMR recommendation vote	24 June 2027
Workgroup Consultation (15 Business Days)	05 November – 26 November 2026	Final Modification Report issued to Panel to check votes recorded correctly Ideally issued within 2 Business Days of Panel's DFMR recommendation vote. They have 5 clear Business Days to check.	25 June 2027 – 02 July 2027
Workgroups 5 – 8	10 December 14 January 10 February 11 March	Final Modification Report issued to Ofgem This is clear 5 Business Days after Final Modification Report is issued to Panel to check votes recorded correctly	05 July 2027
Workgroup report issued to Panel (5 Business Days) 5 clear Business Days minimum	21 April 2027	Ofgem decision	TBC
Panel sign off that Workgroup Report has met its Terms of Reference	29 April 2027	Implementation Date	10 Business Days following Authority Decision

GC0184 Impacted Parties

Who does this modification impact?

- Generators and Interconnector Owners
- The Panel and the Proposer should consider whether engagement is needed with impacted parties as part of the process.
- The Workgroup should include a balanced mix of representatives with relevant expertise in the modification's subject matter.

GC0184 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

GC0188 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
Amended Governance route as cannot be Self Governance if it affects the Data Registration Code (DRC) Acronyms expanded when first introduced and ones missing added in the acronym table. Added timeline details	Proposer accepted all amendments made by the Code Administrator

Public

GC0188: Update Planning References in published Electricity Transmission codes

Proposal for removing
redundant references from
the Grid Code

Situation:

Ofgem have confirmed the introduction of a new long-term planning framework, the Centralised Strategic Network Plan (CSNP). This will be covering the information currently given in the Electricity Ten Year Statement. (ETYS).

Therefore, we will need to remove references to ETYS and older statements, such as Seven Year Statement (SYS) and the Offshore Development Information Statement (ODIS) and replace with CSNP, wherever appropriate.



What will we need to do?

- The ETYS is being phased out in 2026 and the license condition will be stood down, with the ETYS element captured by the CSNP framework.
- The data which is input, reports produced and other functions will be taken over by the new and broader CSNP.
- Therefore, we need to ensure that the Grid Code, STC/P and others are amended in line with the new situation and do not have references to redundant processes which would cause confusion and uncertainty among stakeholders.
- The SYS and ODIS are already redundant at the time of writing so references to these also need to be removed from the Codes.
- Where the function of the ETYS is being taken over by the CSNP this will need to be added into the legal text.
- A list of Grid Code references to ETYS and SYS has been compiled and there will be potentially three scenarios: Replacing ETYS with CSNP, removing ETYS altogether, and amending the text to confirm the correct process flow.

Impact of the Mod -Users

This Mod will impact any current users of ETYS. The next iteration of the report (summer 2026) will be the final one, and the license has already been updated regarding the requirements for CSNP.

The direct impact will be on the name of, and location of the data they are submitting.



The data which stakeholders currently submit is governed by the Data Registration Code (DRC), and this will continue through to CSNP.

There will therefore be no changes to the data submission process for stakeholders, the data is still required not only for CSNP but for other ongoing planning processes.

Impact of the Mod - NESO

NESO will still be publishing most of the same data via CSNP. By ensuring that the references in the Grid Code as well as CUSC and STC/P are up to date and redundancy is removed, we are ensuring continuity and facilitating more effective future planning operations.

For example, the current Week 24, 28 and 42 submissions will continue under CSNP.



CSNP is not a replacement for ETYS but rather a new whole-system plan with a much broader view than any singular report.

The CSNP will serve as a network blueprint for the country, mapping demand and optimal locations for onshore and offshore transmission infrastructure to support a decarbonised energy grid.

Process

- The legal texts have been reviewed and approved by the legal team. There will be no impact on anyone's charges, or connection date/process, as a result of this change proposal.
- Having considered the required changes to the Legal text in the Grid Code, most of which are a straightforward change from ETYS to CSNP, we do not consider there to be a need for discussion prior to the Consultation therefore suggest that we approve a process whereby the modification goes to code administrator consultation (CAC). The suggested implementation date will be 31st August 2026.
- We have assessed the materiality of the proposed change; it is unlikely to have a material impact on the Users, as the results of the proposed change will be updating the references relevant to transferring the ETYS process to CSNP.
- The information currently being submitted by Users for ETYS will not be changing, as it still needed for CSNP. For that reason, the Proposer believes that this should be treated as a Self-Governance Modification to proceed to Code Administrator Consultation.
- Our communications with stakeholders during the CSNP proposal phase and also feedback regarding the required changes as a result of the implementation indicate that the overall premise and goals of the modification are understood and accepted.
- The changes to the Data Registration Code (DRC) are solely to update the references from ETYS to CSNP.

Planning References Update – Criticality of Issue

Impact of leaving the Grid Code un-altered: if the Planning References in the Electricity Transmission Codes such as the STC/P are not updated to meet the new situation:

- **Ambiguity over License obligations for Users:**

Assuming that the changes are not made before the implementation of CSNP, there will be ambiguity within the Codes concerning what information Users are required to submit. Whilst some new sections regarding the CSNP will be implemented there will be many references which are relevant to CSNP but mention ETYS or one of the other outdated programs.

- **Impediments to CSNP Implementation:**

The proposed changes are needed to be put into place to establish the process for CSNP and permit the necessary data exchanges. Failure to make the necessary changes to STC and the STCPs could block the production of CSNP, impede the funding of critical network infrastructure, and stop the parties satisfying their license obligations

- **Code untidiness**

NESO has sometimes been criticised for maintaining irrelevant references and sections in the Codes – given that the changes requested in the Mod are directly relevant to a change we have a chance to ensure that the STC is correctly guiding users in accordance with current methodology rather than retaining links and references to old systems and programs.

Likely Changes of ETYS References:

- References to ETYS/SYS where the function as described in the Code section is being taken over in its entirety by the CSNP, and the reference can therefore simply be replaced by reference either to CSNP, or where appropriate a more generic reference to NESO published planning data (may aid in future-proofing). We anticipate that most cases will fit into this category.
- References to ETYS/SYS where part of the function as described in the Code section is being taken over by the CSNP but not all, or where the data is still required but for a different planning process. The Code section will need to be amended to ensure that the new reference to CSNP is correctly describing the functions it will fulfil, and any others are either removed or also amended so that the function and how they are being fulfilled.
- References to ETYS/SYS where the function is either completely redundant or is only a description or confirmation of the ETYS/SYS. For example, this would include mentions in a definitions section, or a passage which is being removed from the Licence, and can safely be taken out of the Code without needing further modifications

Affected Grid Code Sections:

- Planning Code (PC) 4.1,
- PC.4.3.1, PC.5.4 (a),
- PC.5.4 (f),
- PC.A.4.4,
- CC.6.2.1.2 [e],
- CC.6.2.1.2(f),
- ECC.6.3.15.8(v),
- DRC page 62
- Glossary & Definitions (adding new/removing the old references)



Other Considerations

STC/P Mod:

There is an STC Mod, CM0107, raised for the same task, and there will be a subsequent STCP Mod raised once the proposed text changes are approved.

This is expected to be the main part of the work, with more changes which will be more significant.

CUSC Mod:

There is also a pair of proposals to change the CUSC being raised to June CUSC panel, CMP467/468 (one charging, and one non-charging); these are being managed by Paul Mott.

GC0188 Proposed Timeline

Milestone	Date
Modification presented to Panel	25 June 2026
Code Administrator Consultation	02 July 2026 to 02 August 2026
Draft Final Modification Report (DFMR) issued to Panel (5 Business Days)	19 August 2026
Panel undertake DFMR recommendation vote	27 August 2026
Final Modification Report issued to Panel to check votes recorded correctly	28 August 2026
Final Modification Report issued to Ofgem	07 September 2026
Ofgem decision	TBC
Implementation Date	10 Business Days after Authority decision

GC0188 Asks of Panel

- **AGREE** that this Modification has a clearly defined defect, scope and solution
- **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 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

GC0186 Timeline Update

	Workgroup Report issued to Panel	DFMR issued to Panel	FMR issued to Ofgem	Decision Date	Implementation Date
Previous timeline	19 September 2026	18 November 2026	02 December 2026	TBC	TBC
New timeline	21 January 2027	22 April 2027	11 May 2027	TBC	TBC

Rationale: As this was a combined Grid code/DCODE modification we had to wait for the next DCODE Panel, which was April, to add their comments. Allowing for Workgroup nominations for the combined Workgroup also added to the delay.

Workgroups Remaining: 7

GC0186 – the asks of Panel

- **AGREE** revised timeline

Draft Final Modification Report

GC0168: Submission of Electromagnetic
Transient (EMT) Models

Sarah Williams (Panel Secretary)

Solution

Summary of solutions:

Proposer's solution: The proposed solution is to require the provision of EMT models from Users with certain legacy assets with a completion date before 01 September 2022, upon request from The Company. A new Electrical Standard which will indicate model requirements and the approach for retrospective submission will also be introduced.

WACGM1: The proposed alternative WAGCM1 Introduces a deferred effective date for GB Code Users, allowing immediate effect of GC0168 for EU Code Users but delaying applicability to GB Code Users until cost recovery is in place within the CUSC.

Implementation Date: 10 Business Days following an Authority Decision.

Code Administrator Consultation Responses

Summary of Code Administrator Consultation Responses:

Code Administrator Consultation was run from 05 May 2026 to 08 June 2026 and received 5 non-confidential responses [and 1 confidential response]. Key points were:

- All five respondents believed that the GC0168 Original Proposal better facilitates applicable objectives (i) and (iii), with one respondent noting that the GC0168 Original Proposal better facilitates objective (iv).
- Four respondents believed that the WAGCM1 better facilitates applicable objectives (i) and (iii), with two respondents noting that WAGCM1 also better facilitates applicable objective (ii). One respondent additionally noted that WAGCM1 better facilitates objective (iv).
- Some respondents raised concerns with disproportionate costs related to the retrospective nature of the Original compared to WAGCM1.
- Four respondents expressed preference for WAGCM1 and one favoured the Original Proposal.
- Four respondents noted their support for the proposed implementation approach, with one noting they only support this for WAGCM1 and not the original. One respondent recorded the need for safeguards to avoid open-ended obligations for generators.
- One respondent noted the need for clarity on cost recovery, guidance for legacy assets and mitigation of testing risks.
- Legal text issues raised.

Panel discussion on legal text amendments

Proposed Legal text amendments to the following Sections of the Grid Code were put forward by a respondent:

- GC0168 – Planning Code – Original
- GC0168 – Planning Code – WAGCM1
- GC0168 – Planning Code – Original GC0139
- GC0168 – Planning Code – WAGCM1 GC0139

Panel to review the proposed legal text amendments and agree next steps.

Code Administrator Consultation – Legal Text Changes.

What do the Grid Code Governance Rules say?

GR.22.4

A draft of the **Grid Code Modification Report** shall be tabled at a meeting of the **Grid Code Review Panel** prior to submission of that **Grid Code Modification Report** to the **Authority** as set in accordance with the timetable established pursuant to GR.19.1, and at which the **Panel** may consider any minor changes to the legal drafting, which may include

any issues identified through the **Code Administrator** consultation, and:

- (i) if the change required is a typographical error the **Grid Code Review Panel** may instruct the **Code Administrator** to make the appropriate change and the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**; or
- (ii) if the change required is not considered to be a typographical error then the **Grid Code Review Panel** may direct the **Workgroup** to review the change. If the **Workgroup** unanimously agree that the change is minor the **Grid Code Review Panel** may instruct the **Code Administrator** to make the appropriate change and the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**, otherwise for changes that are not considered to be minor the **Code Administrator** shall issue the **Grid Code Modification Proposal** for further **Code Administrator** consultation, after which the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**; or
- (iv) if a change is not required after consideration, the **Panel Chairman** will undertake the **Grid Code Review Panel Recommendation Vote**.

Code Admin must present the proposed legal text changes

Panel have 3 choices:

- **Agree the changes are typographical and instruct Code Admin to make the change under GR.22.4(i). Then we carry out Recommendation Vote; or**
- **Agree the changes are not needed under GR.22.4(iv). Then we carry out Recommendation Vote; or**
- **Under GR.22.4(ii) Direct the Workgroup to review the changes or ask for a further Code Administrator Consultation to be issued**

GC0168 Asks of Panel

- **AGREE** whether or not the proposed changes to the legal text are typographical
- **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
- **NOTE** next steps

GC0168 Next Steps

Milestone	Date
Final Modification Report issued to Panel to check votes recorded correctly (5 Business Days)	02 July 2026
Submission of Final Modification Report to Ofgem	16 July 2026
Ofgem decision date	TBC
Implementation Date	10 Business Days after Authority Decision

EBR Article 3 Objectives

For reference, the Electricity Balancing Regulation (EBR) Article 3 (Objectives and regulator aspects) are:

This Regulations aims at:

1. Fostering effective competition, non-discrimination and transparency in balancing markets;
2. enhancing efficiency of balancing as well as efficiency of national balancing markets;
3. integrating balancing markets and promoting the possibilities for exchanges of balancing services while contributing to operational security;
4. 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;
5. 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;
6. 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;
7. 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.

Prioritisation Stack

Modifications at Workgroup Stage

Mod Number	Previous Priority No:	Priority No	Title
GC0178	2	1	Temporary Overvoltage – Specification of Limits and Clarification of Obligations
GC0186	3	2	Proposed Grid Code Changes – Post Electricity System Restoration Standard (ESRS)
GC0155	1	3	Clarification of Fault Ride Through Technical Requirements
GC0117	5	4	Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Station requirements
GC0182	6	5	Standardisation of Power Flow Metering Polarity
GC0181	9	6	Enhance the Effectiveness of System Incidents Reporting
GC0140	10	7	Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions

Modifications Post-Workgroup Stage

Mod Number	Previous Priority No:	Title
GC0139	1	Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0176	2	Introduction of Demand Control Rotation Protocol within Operating Code 6 of the Grid Code
GC0103	10	The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0168	6	Submission of Electro Magnetic Transient (EMT) Models
GC0164	7	Simplification of Operating Code No.2



Standing Items

Updates on all developments relevant to Grid Code Panel e.g. potential for future governance changes or modifications

- Distribution Code Panel update (Alan Creighton)
- JESG Update (information only)
 - Previous meeting – 09 June 2026 [Meeting materials and Headline Report](#)
 - Next meeting – 14 July 2026

Updates on other industry codes

20 May 2026 STC [Panel Papers and Headline Report](#)

22 May 2026 CUSC [Panel Papers and Headline Report](#)

27 May 2026 SQSS [Panel Papers and Headline Report](#)

11 June 2026 BSC [Panel Papers and Headline Report](#)

Electrical Standards – Process discussion

Activities ahead of the next Panel Meeting

Grid Code Development Forum	08 July 2026
Modification Proposal Deadline for July Panel	15 July 2026
Papers Day	22 July 2026
Panel Meeting	30 July 2026 Faraday House

An aerial photograph of a rural landscape at sunrise. The sun is low on the horizon, casting a warm glow over fields and trees. Long shadows are cast across the fields. In the bottom right corner, there are four overlapping pink circles. The background image is a landscape with fields, trees, and a distant town under a hazy sky.

Close

Anthony Pygram

Independent Chair, Grid Code
Review Panel