



Grid Code Review Panel

Thursday 15 December 2022

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.

Approval of Panel Minutes

Approval of Panel Minutes from the Meeting held
22 November 2022 and 24 November 2022



Action Log





Chair's Update

GC0160 decision received on 06 December 2022, implemented on 07 December 2022.

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

Milly Lewis, Code Administrator



Panel Tracker

Milly Lewis, Code Administrator

Prioritisation Stack

Mod Number	Previous Priority No:	Priority No	Title
GC0139	1		Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0156	2		Implementation of the Electricity System Restoration Standard
GC0117	3		Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements
GC0154	4		Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119
GC0155	5		Clarification of Fault Ride Through Technical Requirements
GC0159	6		Introducing Competitively Appointed Transmission Owners
GC0140	7		Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions
GC0103	8		The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes



Grid Code Development Forum

Jamie Webb, NGESO

Grid Code Development Forum – Previous and Next

23 November 2022

RIIO-2 Business Plan 2 (BP2) – Update

A presentation was shared by the Regulatory Business Planning Team to provide an update on the RIIO-2 price control Business Plan 2 (BP2) prior to the release of the Ofgem draft determinations.

Digitalised Whole System Technical Code

An update was shared on the Alignment, Simplification and Rationalisation (ASR) Workstream of the Digitalised Whole System Technical Code project, including background of the dWSTC project, and current progress being made on the “Operating Code No.2” section of the Grid Code in terms of the areas of improvement which have been identified by industry stakeholders.

Potential Grid Code Modification as a result of SQSS Modification – GSR029 (Review of Demand Connection Criteria to align with EREC P2/7)

A presentation was shared detailing of a potential Grid Code Modification that will be required as a result of SQSS Modification GSR029 – Review of Demand Connection Criteria to align with Engineering Recommendation (EREC) P2/7. An overview of the SQSS modification was presented along with the potential Grid Code changes that may need to be implemented as a result of this.

11 January 2023 (Deadline for Agenda items - 4 January)

Interpretation of MZT (Minimum Zero Time) and MNZT (Minimum Non-Zero Time) within the Grid Code for bi-directional units

The ESO will be seeking to clarify the current Grid Code interpretation of MZT (Minimum Zero Time) and MNZT (Minimum Non-Zero Time) for bi-directional units.



Standing Items

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

Next meeting – 13 December 2022



Updates on other industry codes



Electrical Standards

Update to EDL Reason Codes

Haarith Dhorat

Background

Constraint Management Pathfinder

- The ESO are procuring Constraint Management services to alleviate costs managing constraints at certain boundaries.
- This initially focuses on the B6 boundary (Anglo – Scottish border) though will look at other constraint boundaries in future.
- The service will connect contracted generators to the intertripping scheme which is managed by SPT.
- Once connected, units will be armed in periods of high boundary flows – reducing need to take Bids in the BM.
- Arming/Disarming instructions are issued verbally to SPT with verbal/written notification sent to the generator.
- In the event of a fault, e.g. circuit trip, the generator would automatically be tripped by the scheme.

What are we proposing?

- Use EDL reason codes to notify generators when their units have been armed/disarmed.

ITA – Intertrip Armed (send when the unit is armed by the tripping scheme)

ITD – Intertrip Disarmed (send when the unit is disarmed by the tripping scheme)

- These would be issued automatically once confirmation is received from the TOs that the scheme has been armed/disarmed.

Documents to update

- The below Technical Standards of the Grid Code will need updating:

EDL Instruction Interface – Valid Reason Codes - add new codes to the list in section 2

BETTA - Despatch Instruction Guide - a new section 4.5.2 will be added to outline of why the reason codes would be issued

4.5.2 Constraint Pathfinder Intertrip Arm / Disarm EDL Instructions

Under the Constraint Pathfinder, GBMU may have an agreement to provide generator intertrip services. EDL reason code instructions to issue intertrip arm and disarm instructions shall be issued according to system operational need. As instructions to GBMUs to provide agreed intertrip services are not a part of Bid/Offer acceptances they do not need to comply with the same rules i.e. the instructions are not closed and can span time periods outside of the BM window. Intertrip arm or disarm EDL reason code instructions **do not** require a target MW level. The following information is required for arm or disarm EDL reason code instructions:

Log Time: Time of the Instruction

Start Time: User Editable, Default is Log Time + 2 minutes. It is assumed that the Target Time of the instruction is identical to the Start Time.

Reason Code: The Reason Code shall be: ITA for Intertrip Armed and ITD for Intertrip Disarmed to indicate the type of intertrip service that the unit is instructed to. Details of the reason codes can be found in the EDL Instruction Interface - Valid Reason Codes Specification.

As Intertrip arm or disarm EDL reason code instructions are open-ended it is important that GBMUs that are expected to desynchronise are issued with a Intertrip disarm EDL reason code instruction before they desynchronise. This will avoid the potential for unsynchronised or GBMUs remaining armed to provide intertrip services.

Why change?

- As the constraint service expands around the country, there will be an increase in the number of units contracted and circuits to monitor
- This will increase the manual workload for the ESO control room as well as for generators.
- Automating the process will reduce the burden for all parties

When we expect these changes to be in place

- We currently have 4 live units and expect to have a further 8 live from October 2023.
- Our aim is to have these new reason codes in place by October 2023 and will keep the contracted parties informed of progress.
- We are speaking to our IT team to see if the necessary system changes could be made sooner.



Any Other Business

Next Panel Meeting

**10am on 26 January 2023 -
Faraday House**

Papers Day – 18 January 2023

**Modification Proposals to be
submitted by 11 January 2023**

Close



Trisha McAuley
Independent Chair, GCRP