



# Special Grid Code Review Panel

Friday 14 July 2023

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.



# Workgroup Report

**GC0161: Changes to OC6 to allow for site protection**

Jonathan Whitaker (Chair)

## Key points to note to the Panel

- The ESO raised GC0161 on 17 May 2023 and requested Urgency, the Grid Code Review Panel recommended Urgency on 25 May 2023.
- Ofgem granted Urgency on 02 June 2023.
- Term of Reference e) is to ensure that the scope of work identified is achievable within the timeframe outlined in the Ofgem Urgency decision letter. The Workgroup consequently requested a title change that was approved by the Grid Code Review Panel on 29 June 2023.
- The approved timeline includes a 1 calendar month Code Administrator Consultation (this was in case the solution involved regulated sections of the Grid Code). OC6.5.3 is a regulated section under Network Code on Emergency Restoration (NCER).
- This is a joint Grid Code/Distribution Code modification. The ESO Code Administration has been coordinating with the Distribution Code Administrator. The Distribution Code has different governance rules and timeline, but we are planning to submit reports to Ofgem at similar times to ensure consistency.

# Solution and Workgroup Vote

## Solution summary :

- The solution will amend wording within Grid Code OC6.1.5 which, currently, obligates that no protection can be given to those specific sites that have, according to ESEC (Write out ESEC), been designated as 'protected'. The solution also proposes the addition of a clause in OC6.5.3 to refer to the pre-designation of protected sites via the ESEC.

OC6.1.5 The Electricity Supply Emergency Code as reviewed and published from time to time by the appropriate government department for energy emergencies provides that in certain circumstances consumers are given a certain degree of "protection" when rota disconnections are implemented pursuant to a direction under the Energy Act 1976. No such protection can be given in relation to Demand Control under the Grid Code. No such protection can be given in relation to Demand Control under the Grid Code, except in relation to those Demand Disconnection stages referred to in OC6.5.3(a) and where such protection is technically feasible, although, even in these situations, protection cannot be guaranteed.

To invoke the Electricity Supply Emergency Code the Secretary of State will issue direction(s) to all **Network Operators** affected, exercising emergency powers under the Electricity Act 1989 or by virtue of an Order in Council under the Energy Act 1976. Following the issuance of such direction, **The Company** will act to coordinate the implementation of an agreed schedule of rota disconnections across all affected **Network Operators'** licence area(s) and to disseminate any information as necessary throughout the period of the emergency in accordance with the instructions **The Company** receives from the Secretary of State or those authorised on their behalf for this purpose.

OC6.5.3 (a) Whether a **National Electricity Transmission System Warning - High Risk of Demand Reduction** or **National Electricity Transmission System Warning - Demand Control Imminent** has been issued or not:

- (i) provided the instruction relates to not more than 20 per cent of its total **Demand** (measured at the time the **Demand** reduction is required); and
- (ii) if the instruction relates to less than 20 per cent of its total **Demand**, is in
  - two voltage reduction stages of between 2 and 4 percent, each of which can reasonably be expected to deliver around 1.5 percent **Demand** reduction; and
  - up to three **Demand Disconnection** stages, each of which can reasonably be expected to deliver between four and six percent **Demand** reduction,each **Network Operator** will abide by the instructions of **The Company**, which should specify whether a voltage reduction or **Demand Disconnection** stage is required; or
- (iii) if the instruction relates to less than 20 per cent of its total **Demand**, is in four **Demand Disconnection** stages each of which can reasonably be expected to deliver between four and six per cent **Demand** reduction,

each **Network Operator** will abide by the instructions of **The Company** with regard to **Demand** reduction under OC6.5 without delay.

- (b) The **Demand** reduction must be achieved within the **Network Operator's System** as far as possible uniformly across all **Grid Supply Points** (unless otherwise specified in the **National Electricity Transmission System Warning - High Risk of Demand Reduction**) either by Customer voltage reduction or by **Demand Disconnection**.
- (c) **Demand Control** initiated by voltage reduction shall be initiated as soon as possible but in any event no longer than two minutes from the instruction being received from **The Company**, and completed within 10 minutes of the instruction being received from **The Company**.
- (d) **Demand Control** initiated by **Demand Disconnection** shall be initiated as soon as possible but in any event no longer than two minutes from the instruction being received from **The Company**, and completed within five minutes of the instruction being received from **The Company**.
- (e) Where **Demand Control** is initiated by **Demand Disconnection**, in relation to those **Demand Disconnection** stages referred to in OC6.5.3(a) protection may be given where technically feasible, to pre-designated protected sites in instances where **Demand Control** is implemented on the instruction of **The Company** in accordance with the provisions in OC6.5. The list of pre-designated protected sites is compiled and kept up to date by **Network Operators** in accordance with the terms set out in the **Electricity Supply Emergency Code**.

## Summary of Workgroup Vote:

- The Workgroup concluded by unanimous vote (8 votes) that the Original better facilitated the Applicable Objectives than the Baseline.

# Terms of Reference

The Workgroup conclude that they have met their Terms of Reference and the references can be located below:

Workgroup Term of Reference	Location in Workgroup Report
a) Implementation and costs;	Implementation contained in the 'When will this change take place?' section Costs contained in the Workgroup considerations section.
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;	Contained in the 'What is the solution' section and draft legal text in Annex 4
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; and	'Workgroup vote' section shows Workgroup members Combined Grid Code/Distribution Code workgroups with representation from across industry. Distribution Code Administrator also a Workgroup member.
d) Consider EBR implications	Contained in the 'Interactions' section (there are no EBR Implications)
e) Ensure that the scope of work identified is achievable within the timeframe outlined in the Ofgem Urgency decision letter.	Contained in 'Workgroup considerations' section. Workgroup requested a change in modification title as demand disconnection rotation will be considered in a subsequent modification.
f) Consider whether the solution has consequences on OC6 that would prevent the intention of the modification being achieved.	Contained in 'Workgroup considerations' section.
g) Ensure that the use of the term 'any one' in OC6.2.1 is understood.	Contained in 'Workgroup considerations' section. NB at Workgroup 1 the Proposer accepted, and the Workgroup agreed, that the initial proposed change to OC6.2.1 was not required for this modification to proceed.
h) In OC6.2.1 consider whether the present requirement for NGESO not to discriminate between any groups of Suppliers, Network Operators or Non- Embedded customers should be retained / modified rather than deleted.	Contained in 'Workgroup considerations' section. NB at Workgroup 1 the Proposer accepted, and the Workgroup agreed, that the initial proposed change to OC6.2.1 was not required for this modification to proceed.
i) Consider the implications for the Distribution Code, including DOC6	Contained in 'Interactions' section. Combined Grid Code/Distribution Code workgroups with representation from across industry. Distribution Code Administrator also a Workgroup member.
j) Consider cross code implications.	Contained in 'Interactions' section. Combined Grid Code/Distribution Code workgroups with representation from across industry. Distribution Code Administrator also a Workgroup member.
k) Consider interactions with the Electricity Transmission Standard Licence Conditions	Contained in 'Workgroup considerations' section

# GC0161 - the asks of Panel

- **AGREE** that the Workgroup have met their Terms of Reference
- **AGREE** that this Modification can proceed to Code Administrator Consultation
- **NOTE** that this Modification does not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Grid Code. It does impact the Network Code on Emergency Restoration (NCER).
- **NOTE** the ongoing timeline. Please note the amendment in the last Workgroup of implementation date 10 days after the Authority decision (to communicate the changes to the control rooms once approved).

# GC0161 Next Steps

Milestone	Date
Code Administrator Consultation (1 calendar month)	17 July 2023 to 5pm on 17 August 2023
Draft Final Modification Report issued to Panel	22 August 2023
Draft Final Modification Report presented to Panel	24 August 2023
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	24 August 2023 (2pm-4pm)
Submission of Final Modification Report to Ofgem	24 August 2023 (5pm)
Ofgem decision date	TBC
Implementation Date	Mid-September 2023, ten working days after the Authority Decision

## Prioritisation Stack

Mod Number	Previous Priority No:	Priority No	Title
GC0161	1		Changes to OC6 to allow for site protection and demand disconnect rotation
GC0139	2		Enhanced Planning Data Exchange to Facilitate Whole System Planning
GC0156	3		Implementation of the Electricity System Restoration Standard
GC0117	4		Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements
GC0154	5		Incorporation of interconnector ramping requirements into the Grid Code as per SOGL Article 119
GC0155	6		Clarification of Fault Ride Through Technical Requirements
GC0103	7		The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes
GC0159	8		Introducing Competitively Appointed Transmission Owners
GC0140	9		Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions



**Any Other Business**

# Activities ahead of the next Panel Meeting

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**Papers Day**

19 July 2023

**Panel Meeting**

27 July 2023  
Teams Meeting

**Close**

