

GC0162: Changes to OC6 to amend the operational timings for the delivery of the additional demand reduction above 20%, with a focus between 20% and 40%

Workgroup 4

07 September 2023
Online Meeting via Teams

WELCOME



Expectations of a Workgroup Member

Contribute to the discussion

Be respectful of each other's opinions

Language and Conduct to be consistent with the values of equality and diversity

Do not share commercially sensitive information

Be prepared - Review Papers and Reports ahead of meetings

Complete actions in a timely manner

Keep to agreed scope

Your Roles

Help refine/develop the solution(s)

Bring forward alternatives as early as possible

Vote on whether or not to proceed with requests for Alternatives

Vote on whether the solution(s) better facilitate the Code Objectives

Agenda

#	Topics to be discussed	Lead
1.	Objectives, Timeline and Terms of Reference	Chair
2.	Actions Review	All
3.	Draft Legal Text	Proposer
4.	Draft Workgroup Consultation	Chair
5.	Review Terms of Reference	Chair
6.	Any Other Business	Chair
7.	Next Steps	Chair



Objectives, Timeline and Terms of Reference

Lizzie Timmins – ESO Code Administrator

Timeline for GC0162

Milestone	Date	Milestone	Date
Electricity Shortfall Prioritisation Review – Workshop agree to proceed with a urgent modification	29 June 2023	Workgroup 6 – Hold Workgroup Vote, Finalise Workgroup Report	03 October 2023
Urgent modification proposal submitted	20 July 2023	Workgroup report issued to Panel (3 working days)	09 October 2023
Modification presented to Panel	27 July 2023	Panel sign off that Workgroup Report has met its Terms of Reference	12 October 2023 (Special Panel)
Workgroup Nominations (5 Working Days)	28 July 2023 to 4 August 2023	Code Administrator Consultation (1 calendar month)	13 October 2023 to 14 November 2023
Ofgem grant Urgency	04 August 2023	Draft Final Modification Report (DFMR) issued to Panel (2 working days)	20 November 2023
Workgroup 1 – Agree timeline, Terms of Reference and discuss solution	10 August 2023	Panel undertake DFMR recommendation vote	23 November 2023 (existing Panel meeting)
Workgroup 2 – Refine solution and potential alternatives	22 August 2023	Final Modification Report issued to Panel to check votes recorded correctly (<1 working days)	23 November 2023 (11am to 12pm)
Workgroup 3 – Refine solution, review Workgroup Consultation	29 August 2023	Final Modification Report issued to Ofgem	23 November 2023 (12pm)
Workgroup 4 - Finalise Workgroup Consultation	07 September 2023	Ofgem decision	01 December 2023 (5pm)
Workgroup Consultation (5 working days)	12 September 2023 to 18 September 2023	Implementation Date	By 15 December 2023
Workgroup 5 - Assess Workgroup Consultation Responses	21 September 2023		

Terms of Reference

Workgroup Terms of Reference

- a) Implementation and costs;
- 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;
- 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
- d) Consider EBR implications
- e) Ensure that the scope of work identified is achievable within the timeframe outlined in the Ofgem Urgency decision letter.
- f) Consider whether the solution has consequences on OC6 that would prevent the intention of the modification being achieved.
- g) Consider the implications for the Distribution Code, including DOC6
- h) Consider cross code implications.
- i) Focus on the arrangements for demand disconnection in the range 20%-40%
- j) Consider whether it is appropriate to remove the prohibition on protecting site supplies, where technically feasible, for demand disconnection in the range 20%-40% (as implemented in GC0161 for demand disconnection in the range 0-20%).
- k) Undertake analysis to consider any adverse implications for the security of supplies to customer generally due to the increased switching time.
- l) Undertake analysis to consider any adverse implications for the generator reserve and response requirement due to the increased switching time.



Actions Review

All


Actions Review

Action number	Workgroup	Owner	Action	Comment	Due by	Status
Raised						
4	WG1	LT	Updated action: Confirm with ENWL that proposed changes to OC6 are technically feasible for their systems. Previous wording: Contact ENW and NGED to make them aware of action 3	Completed – confirmed that this is technically feasible.	WG4	Open – proposing to close
12	WG2	JZH	Confirm with control room whether quicker than anticipated demand reduction would cause operational issues	NA	WG4	Open
13	WG2	JZH	Give feedback on DESNZ review regarding a need for methodology for 4%-6% Demand blocks	NA	WG4	Open
14	WG2	All	Workgroup to start thinking about specific Workgroup Consultation questions	NA	WG4	Open
15	WG3	UF	Update draft legal text based on discussions at Workgroup 3	Circulated as part of WG4 papers	WG4	Open – proposing to close
16	WG3	UF	Clarify with legal whether OC6.6.3 would interact with the proposed 6.5.5d clause	Discussed with ESO legal – no interaction expected	WG4	Open – proposing to close
17	WG3	LT	Update WG consultation based on discussions from WG3 and circulate for final comments	Circulated to WG for comments	WG4	Open – proposing to close



Draft Legal Text

Usman Farooq – ESO



OC6 Modification - GC0162: Changes to OC6 to amend the operational timings for the delivery of the additional demand reduction above 20%, with a focus between 20% and 40%.

Legal Text – Proposed Changes

Draft legal text

OC6.5.5(c) - ~~Other than with regard to the proviso, the provisions of OC6.5.3 shall apply to those instructions.~~ Other than with regard to the proviso in sub-paragraph (b), the provisions of OC6.5.3 shall apply to those instructions, except in regards to OC6.5.3(d) where **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 up to 20% of **Demand Disconnection** completed within five minutes of the instruction being received from **The Company**, and any further **Demand Disconnection** above 20% to take up to 5 additional minutes from the instruction being received from **The Company** for each extra 4 to 6 percent of **Demand** being disconnected..

Addition of ' from the instruction being received' to the text which provides timing requirements above 20%, in my opinion would not make sense. Consider the scenario where The Company issues an instructions to disconnection 30%, if it's a single instruction, the Network Operators will have 5mins for the first 20% and then 10mins for the subsequent 10%. That ten minutes is not from the time of instruction, but from the time of completion of the first 20%. I think the current text is clear in that regard.

Legal Text – Proposed Changes

Draft legal text

(new clause)

OC6.5.5(d) - Where **The Company** issues a **Network Operator** with consecutive instructions to reduce Demand, the **Network Operator** will complete instructions in the order they were issued by **The Company** and will not start to execute any instruction until any preceding instruction has been completed unless agreed with **The Company**.

OC6.6.3 - Refers to a very specific scenario, i.e. under LFDD. This is not the same as demand disconnection. We hold that changes in OC6.5.5(d) DO NOT require inclusion of restoration

Legal Text –Proposed Changes

OC6.5.3(a) - Whether a **National Electricity Transmission System Warning** -(i) **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,

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.

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

Legal Text – Proposed Changes

OC6.5.4(a) - Where **The Company** wishes to instruct a **Demand** reduction of more than 20 per cent of a **Network Operator's Demand** ~~(measured at the time the **Demand** reduction is required)~~, it shall, if it is able, issue a **National Electricity Transmission System Warning - High Risk of Demand Reduction** to the **Network Operator** by 1600 hours on the previous day. The warning will state the percentage level of **Demand** reduction that **The Company** may want to instruct ~~(measured at the time the **Demand** reduction is required)~~.

Legal Text – Proposed Changes

OC6.5.5(b) - **The Company** accepts that if it has not issued the **National Electricity Transmission System Warning - High Risk of Demand Reduction** by 1600 hours on the previous day or if it has issued it by 1600 hours on the previous day, but it requires a further percentage of **Demand** reduction (which may be in excess of 40 per cent of the total **Demand** on the **User System** of the **Network Operator** ~~(measured at the time the Demand reduction is required)~~ from that set out in the **National Electricity Transmission System Warning**, it can only receive an amount that can be made available at that time by the **Network Operator**.

LFDD overlap with ESEC/OC6

With GC0161 and GC0162 being implemented (hopefully), increasingly difficult to maintain separation, however, view to ensure that overlapping is minimal.



Draft Workgroup Consultation

Lizzie Timmins – ESO Code Administrator



Review Terms of Reference

Lizzie Timmins – ESO Code Administrator

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Any Other Business

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Next Steps

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