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| --- | --- | --- | --- |
| Final Modification Report / Final Self-Governance Modification Report | | | |
| GC0150:  **Housekeeping change post- GC0147 implementation**  **Overview:** As part of Ofgem’s decision on GC0147 they recommended a minor housekeeping change to clarify cross-referencing in the new ‘Embedded Generation Control’ (OC6B) section of the code should be made. | | **Modification process & timetable**    **Proposal Form**  10 June 2021  **Implementation**  04 October 2021  **Code Administrator Consultation**  30 June 2021 – 30 July 2021  **Draft SG Modification Report**  26 August 2021  **Final SG Modification Report**  07 September 2021  **Appeals Window**  07 September 2021 – 29 September 2021  **1**  **2**  **3**  **4**  **5**  **6** | |
| **Have 5 minutes?** Read our [Executive summary](#_Executive_summary_1)  **Have 20 minutes?** Read the full [Final Self-Governance Modification Report](#_Why_change?)  **Have 30 minutes?** Read the full Final Self-Governance Modification Report and Annexes. | | | |
| **Status summary:** This report was submitted to Panel for them to decide whether this change should happen. | | | |
| **Panel recommendation:** The Panel has determined unanimously/by majority that the Proposer’s solution is implemented. | | | |
| **This modification is expected to have a: Low impact:**  Embedded Generators, System Operators | | | |
| **Modification drivers:** Efficiency/governance | | | |
| **Governance route** | Self-Governance modification to proceed to Code Administrator Consultation | | |
| **Who can I talk to about the change?** | **Proposer:**  Rob Wilson  [Robert.Wilson2@nationalgrideso.com](mailto:Robert.Wilson2@nationalgrideso.com)  07799656402 | | **Code Administrator Contact:**  Nisar Ahmed  [Nisar.Ahmed@nationalgrideso.com](mailto:Nisar.Ahmed@nationalgrideso.com)  07773 043 068 |
| **Appeals window** | If you want to appeal this decision, please send your [appeals form](https://www.ofgem.gov.uk/publications/ofgem-guidance-self-governance-modification-appeals-process) and relevant documentary evidence to [industrycodes@ofgem.gov.uk](mailto:industrycodes@ofgem.gov.uk) by 5pm on 29 September2021 and ensure you copy in [grid.code@nationalgrideso.com](mailto:grid.code@nationalgrideso.com) | | |

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# Executive summary

As part of Ofgem’s decision on GC0147 they recommended a minor housekeeping change to clarify cross-referencing in the new ‘Embedded Generation Control’ (OC6B) section of the code should be made.

What is the issue?

Ofgem’s decision[[1]](#footnote-1) on ‘GC0147: Last resort disconnection of Embedded Generation – enduring solution’ recommended that a minor housekeeping change should be made to clarify an area of cross-referencing in the new ‘Embedded Generation Control’ section OC6B of the code.

What is the solution and when will it come into effect?

**Proposer’s solution:** In the Proposer’s view the solution cross-references the priority order set out in GC0147 and included in OC6B in which embedded generators are to be considered for control actions. In Ofgem’s view as included in their decision, it makes it clearer that this should be used where possible in the implementation of any instructions for embedded generation control as given by the ESO to DNOs.

**Implementation date:**

As soon as possible.

What is the impact if this change is made?

This change is required for clarification only. No new or revised obligations are placed on any parties as a result but Ofgem’s view is that it makes the solution clearer.

Interactions

It is understood that this modification does not have any interaction with other codes or other industry-wide work.

**Panel determination:** The Panel has determined unanimously/by majority that the Proposer’s solution is implemented

What is the impact if this change is made?

This change is required for clarification only. No new or revised obligations are placed on any parties as a result but Ofgem’s view is that it makes the solution clearer.

Interactions

This modification does not have any interaction with other codes or other industry-wide work.

What is the issue?

Ofgem’s decision[[2]](#footnote-2) on ‘GC0147: Last resort disconnection of Embedded Generation – enduring solution’ recommended that a minor housekeeping change should be made to clarify an area of cross-referencing in the new ‘Embedded Generation Control’ section OC6B of the code.

## Why change?

This change is required for clarification only. No new or revised obligations are placed on any parties as a result but Ofgem’s view is that it makes the solution clearer.

What is the solution?

## Proposer’s solution

In the Proposer’s view the solution cross-references the priority order set out in GC0147 and included in OC6B in which embedded generators are to be considered for control actions. In Ofgem’s view as included in their decision, it makes it clearer that this should be used where possible in the implementation of any instructions for embedded generation control as given by the ESO to DNOs.

## Legal text

A minor addition is suggested to the following clause to achieve the cross-referencing recommended by Ofgem:

OC6B3.2.2 In any case, reasonable endeavours shall be employed by the Network Operator to ensure that the reduction in Active Power output specified in the instruction is achieved, considering also the principles relating to prioritisation set out in OC6B.5.1 where appropriate.

What is the impact of this change?

|  |  |
| --- | --- |
| Proposer’s assessment against Grid Code Objectives | |
| **Relevant Objective** | **Identified impact** |
| (a) To permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity | Neutral |
| (b) Facilitating effective competition in the generation and supply of electricity (and without limiting the foregoing, to facilitate the national electricity transmission system being made available to persons authorised to supply or generate electricity on terms which neither prevent nor restrict competition in the supply or generation of electricity); | Neutral |
| (c) Subject to sub-paragraphs (i) and (ii), to promote the security and efficiency of the electricity generation, transmission and distribution systems in the national electricity transmission system operator area taken as a whole; | Positive  Will improve clarity of the GC0147 solution which is intended to maintain system security |
| (d) To efficiently discharge the obligations imposed upon the licensee by this license and to comply with the Electricity Regulation and any relevant legally binding decisions of the European Commission and/or the Agency; and | Neutral |
| (e) To promote efficiency in the implementation and administration of the Grid Code arrangements | Neutral |

## Proposer’s assessment against the Applicable Objectives

|  |  |
| --- | --- |
| Proposer’s assessment of the impact of the modification on the stakeholder / consumer benefit categories | |
| **Stakeholder / consumer benefit categories** | **Identified impact** |
| Improved safety and reliability of the system | Positive  Very minor impact but potentially in clarifying the GC0147 solution it will help to achieve better system security. |
| Lower bills than would otherwise be the case | Neutral |
| Benefits for society as a whole | Neutral |
| Reduced environmental damage | Neutral  A consideration of environmental impact is part of the prioritisation order. |
| Improved quality of service | **Neutral** |

## Code Administrator consultation summary

The Code Administrator Consultation was issued on the 1 July 2021 closed on 30 July 2021 and received one response. A summary of the response can be found in the table below, and the full response can be found in Annex 3.

|  |  |
| --- | --- |
| **Code Administrator Consultation summary** | |
| **Question** | |
| Do you believe that the GC0150 Original Proposal better facilitates the Grid Code Applicable Objectives? | GC0150 is a minor change suggested by Ofgem in their decision on GC0147. It clarifies cross-referencing of the priority order in which embedded generators may considerably be included in the implementation by DNOs of an embedded generation control instruction issued by the ESO. As such, it better fulfils objective (c) by improving clarity of the GC0147 solution which is intended to maintain system security. |
| Do you support the proposed implementation approach? | Yes – this is a very minor change. |
| Do you have any other comments? | No |
| **Legal text issues raised in the consultation** | |
| None | |
| **EBGL issues raised in the consultation** | |
| None | |

## Panel recommendation/determination vote

The Panel met on the 29 July 2021 to carry out their determination vote.

They assessed whether a change should be made to the Grid Code by assessing the proposed change and any alternatives against the Applicable Objectives.

**Panel comments on Legal text**

Ahead of the vote taking place, the Panel considered the legal text amendments proposed as part of the Code Administrator Consultation and agreed that they were typographical. The changes made can be found in “**Legal Text”** section in this report.

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Alan Creighton – Northern Power Grid Ltd**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Alastair Frew - Drax Generation Enterprise Ltd**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Christopher Smith - National Grid Interconnectors Ltd**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Guy Nicholson - Statkraft**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **John Harrower - SSE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Rob Wilson - National Grid ESO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Robert Longden – Cornwall Insight**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Roddy Wilson - SHE Transmission**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Sigrid Bolik - ITPEnergised Ltd**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 1:** Does the Original facilitate the objectives better than the Baseline?

Panel Member: **Graeme Vincent - SP Energy Networks.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Better facilitates AO (a)? | Better facilitates AO (b)? | Better facilitates AO (c)? | Better facilitates AO (d)? | Better facilitates AO (e)? | Overall (Y/N) |
| Original |  |  |  |  |  |  |
| Voting Statement | | | | | | |
|  | | | | | | |

**Vote 2 –** Which option is the best?

|  |  |  |
| --- | --- | --- |
| **Panel Member** | **BEST Option?** | **Which objectives does this option better facilitate? (If baseline not applicable).** |
| Alan Creighton |  |  |
| Alastair Frew |  |  |
| Christopher Smith |  |  |
| Guy Nicholson |  |  |
| John Harrower |  |  |
| Rob Wilson |  |  |
| Robert Longden |  |  |
| Roddy Wilson |  |  |
| Sigrid Bolik |  |  |
| Graeme Vincent |  |  |

### Panel conclusion

The Panel, unanimously/ by majority determined that the Proposer’s solution should be implemented.

When will this change take place?

### Implementation date

As soon as possible

### Date decision required by

As soon as possible

### Implementation approach

None

Interactions

|  |  |  |  |
| --- | --- | --- | --- |
| ☐Grid Code | ☐BSC | ☐STC | ☐SQSS |
| ☐European Network Codes | ☐ EBGL Article 18 T&Cs[[3]](#footnote-3) | ☐Other modifications | ☐Other |

This modification does not have any interaction with other codes or other industry-wide work.

Acronyms, key terms and reference material

|  |  |
| --- | --- |
| **Acronym / key term** | **Meaning** |
| BSC | Balancing and Settlement Code |
| CMP | CUSC Modification Proposal |
| CUSC | Connection and Use of System Code |
|  |  |
| EBGL | Electricity Balancing Guideline |
| STC | System Operator Transmission Owner Code |
| SQSS | Security and Quality of Supply Standards |
| T&Cs | Terms and Conditions |

### Reference material

* [GC0147 Last resort disconnection of embedded generation – enduring solution](https://www.nationalgrideso.com/industry-information/codes/grid-code-old/modifications/gc0147-last-resort-disconnection-embedded)
* [GC0147 Ofgem decision](https://www.ofgem.gov.uk/publications-and-updates/gc0147-last-resort-disconnection-embedded-generation-enduring-solution)

Annexes

|  |  |
| --- | --- |
| **Annex** | **Information** |
| Annex 1 | Proposal form |
| Annex 2 | Self-Governance Statement |
| Annex 3 | Code Administrator Consultation response/s |

1. https://www.ofgem.gov.uk/publications-and-updates/gc0147-last-resort-disconnection-embedded-generation-enduring-solution [↑](#footnote-ref-1)
2. https://www.ofgem.gov.uk/publications-and-updates/gc0147-last-resort-disconnection-embedded-generation-enduring-solution [↑](#footnote-ref-2)
3. If the modification has an impact on Article 18 T&Cs, it will need to follow the process set out in Article 18 of the European Electricity Balancing Guideline (EBGL – EU Regulation 2017/2195) – the main aspect of this is that the modification will need to be consulted on for 1 month in the Code Administrator Consultation phase. N.B. This will also satisfy the requirements of the NCER process. [↑](#footnote-ref-3)