
Intermediate Market Suspension rules Methodology for Articles 35(1)(b) of Emergency and Restoration EU Code

Revision History

V1.0	21.01.2020	NGESO proposal for OFGEM approval
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Disclaimer

This document, provided by the NGESO, is the proposal for the market suspension rules for GB in accordance with Article 35(1)(b) of Commission Regulation (EU) 2017/2196 of 24 November 2017 establishing a network code on electricity emergency and restoration (NCER).

This NCER methodology remains in force until such time as they are superseded, once the elements of 35(1)(b) are encoded into GB electricity codes and their subsidiary documents.

Whereas

1. Article 36(4) of Commission Regulation (EU) 2017/2196 of 24 November 2017 *establishing a network code on electricity emergency and restoration* (hereafter referred to as “NCER”) requires the development of rules for suspension and restoration of market activities for situations referred to in Article 35(1) into objectively defined parameters .
2. The Electricity System Operator (ESO) is the Transmission System Operator (TSO) responsible for managing system states within GB.
3. On 10 January 2018, the GB regulatory authority, OFGEM, published a decision, assigning TSO obligations to develop rules for market suspension for NCER to the GB electricity system operator (the “ESO”). The license to perform the role of the ESO in GB is assigned to the “National Grid Electricity System Operator Limited” (NGESO).
4. Following the initial submission of the GB proposal, OFGEM requested amendments to the blackout state proposal, market suspension and restoration rules, and the settlement rules for market suspension, on 21 November 2019.
5. NGESO, in reply to the amendment request made proposals to modify the Grid Code and BSC codes where necessary. The proposals for resubmission were consulted on from 16 December 2019 to 16 January 2020. This interim methodology has been developed based upon feedback during the consultation phase, and to establish the additional requirements that would be required to take forward for resolution through future changes to the GB frameworks.
6. NGESO proposes to make changes to the Grid Code and BSC but is creating this intermediate methodology so that Article 35(1)(b) can come into force ahead of the usual BSC and Grid Code processes with the EU consultation requirements being met. Once changes have been made in the BSC and the Grid Code this intermediate methodology will no longer apply.
7. In addition, NGESO has provided a mapping showing how NCER articles 35 to 39 are mapped to existing national codes.
8. This document is an intermediate methodology for the synchronous area of Great Britain, developed by the GB electricity system operator (ESO).
9. This intermediate methodology takes into account the general principles and goals set in the Regulation (EU) 2017/2196 *establishing a network code on electricity emergency and restoration (NCER)*;

Title 1

General Provisions

Definitions and interpretation

1. For the purposes of this intermediate methodology, the terms used shall have the meaning of the definitions and references included in the NCER, Article 3.
2. In this document, unless the context requires otherwise:
 - a) the singular indicates the plural and vice versa;
 - b) any reference to legislation, regulations, directive, order, instrument, code or any other enactment shall include any modification, extension or re-enactment of it then in force.
3. The Regulatory Authority, shall be taken to mean OFGEM, the sole competent National Regulatory Authority for these GB specific regulations, unless otherwise specified within the Articles themselves;
4. The term Electricity System Operator (ESO) is used in this document to mean the TSO within GB which has the responsibility to define market suspension rules for Articles 35 to 39 of NCER;
5. Total Shutdown is the situation existing when all generation has ceased and there is no electricity supply from External Interconnections. Therefore, the Total System has shutdown with the result that it is not possible for the Total System to begin to function again without The Company 's directions relating to a Black Start;
6. A Partial Shutdown is the same as a Total Shutdown except that all generation has ceased in a separate part of the Total System and there is no electricity supply from External Interconnections or other parts of the Total System to that part of the Total System. Therefore, that part of the Total System is shutdown with the result that it is not possible for that part of the Total System to begin to function again without The Company's directions relating to a Black Start;

Title 2

Market Suspension rules for Article 35 NCER

Article 1

Market Suspension Parameters for NCER

1. NCER provides TSOs with the option to temporarily suspend one or more market activities where:
 - a. The transmission system of the TSO is in blackout state (NCER Article 35(1)(a));
or
 - b. The TSO has exhausted all options provided by the market and the continuation of market activities under the emergency state would deteriorate one or more of the conditions referred to in an emergency state as defined the System Operation Guideline (SOGL) Article 18(3); or
 - c. The continuation of market activities would decrease significantly the effectiveness of the restoration process to the normal or alert state; or
 - d. Tools and communication means necessary for the TSOs to facilitate market activities are not available.
2. Existing Market Suspension rules are defined in the Grid Code and BSC as follows:
 - a. In the case of Article 35(1)(a) the rules are defined in section OC9.4 of the Grid Code and G3.1.3 of the BSC for a Total Shutdown;
 - b. Current Grid Code rules (OC7.4.8.4, BC2.9, OC6.5, OC6.7) allow for Emergency Instructions to be issued and if a blackout arises even following the action of Emergency Instructions, then the market can then be suspended. As indicated above there are no rules for market suspension in an emergency state as required for Article 35(1)(b). The proposed Grid Code changes form the content of this interim methodology. BSC changes are equally required to ensure the process of suspending and restoring the market aligns with the settlement rules;
 - c. Rules for a partial shutdown apply to Article 35(1)(c) as defined in section G3.1.5 of the BSC and OC9.4.6 of the Grid Code. BSC process changes may be needed, these will be implemented once the BSC mods have been raised alongside the Grid Code mods;
 - d. The Grid code (BC2.9.7) and BSC (Q1/Q8 and P5) contain the process for managing outages. Section BC4.9 of the Grid Code allows for the TERRE market to be suspended due to outages of computer systems.

Article 2

Proposed parameters for market suspension, when all market options have been exhausted

1. The parameters for market suspension when the TSO has exhausted all options provided by the market and the continuation of market activities under the emergency state would deteriorate one or more of the conditions referred to in Article 18(3) of Regulation (EU) 2017/1485 (SOGL) shall be added to the Grid Code as follows:
2. BC2.9.8.1 Within the **GB Synchronous Area** the **Transmission System** shall be considered to be in an **Emergency State** when one of the following conditions is fulfilled:
 - A situation where there is (or could be) a violation of one of more criteria as defined under the **National Electricity Transmission System Security and Quality of Supply Standard (NETS SQSS)**; or
 - A situation when *Unacceptable Frequency Conditions* as defined under the **National Electricity Transmission System Security and Quality of Supply Standard (NETS SQSS)** have occurred; or
 - At least one measure of the **System Defence Plan** has been activated; or
 - There is a failure of the computing facilities used to control and operate the **Transmission System** or unplanned outages of Electronic Communication and Computing Facilities as provided for in BC2.9.7 or the loss of communication, computing and data facilities with other **Transmission Licensees** as provided for in STCP 06-4
3. BC2.9.8.1 While the **Transmission System** is in an emergency state and if after issuing system warnings and emergency instructions in accordance (but not limited to) the requirements under OC7.4 and BC2.9, and while the **Transmission System** does not change from emergency state to normal state, and in the absence of any further options available through the market, **The Company** may temporarily suspend market activities.

Market suspension rules for a blackout state remain as defined in section G3 of the BSC and OC9 of the Grid Code. However, changes may be required to these sections to ensure of alignment.

Title 3

Final Provisions

Timescale for implementation

1. The Articles in this interim methodology will enter into force immediately after approval by OFGEM.

Cessation of this methodology

1. Each Article in this interim methodology will cease to be in force with immediate effect when the relevant clause is implemented in either the BSC and the Grid Code.

Language

1. The reference language for this interim methodology shall be English.