
**GB proposal for the determination of LFC blocks
in accordance with Article 141(2) of the
Commission Regulation (EU) 2017/1485 of 2
August establishing a guideline on electricity
transmission system operation**

Date 17/11/2017

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The TSO, taking into account the following,

Whereas

- (1) This document is a proposal developed by the GB electricity system operator (hereafter referred to as the “TSO”) for the GB Synchronous Area, regarding the development of a proposal for the determination of LFC blocks (hereafter referred to as “LFC blocks determination”) in accordance with Article 141(2) of Commission Regulation (EU) 2017/1485 establishing a guideline on electricity transmission system operation (hereafter referred to as “SO GL”); where National Grid Electricity Transmission plc in its role as the electricity system operator is the only TSO concerned with LFC block determination in GB pursuant to the GB NRA (OFGEM) decision concerning the GB TSO assignment of obligations as authorized by BEIS to undertake TSO allocations relating to SO GL.
 - (2) The competent NRA in relation to this methodology proposal for the GB Synchronous Area is the GB NRA, OFGEM.
 - (3) The LFC blocks determination proposal takes into account the general principles and goals set in the SO GL, the Commission Regulation establishing a network code on electricity emergency and restoration (NC ER) as well as in the Regulation (EC) No 714/2009 of the European Parliament and of the Council of 13 July 2009 on conditions for access to the network for cross-border exchanges in electricity (hereafter referred to as “Regulation (EC) No 714/2009”). The goal of the SO GL / Regulation is the safeguarding of operational security, frequency quality and the efficient use of the interconnected system and resources. It sets for this purpose requirements to determine the LFC blocks per synchronous area, which shall comply with the followings requirements:
 - a. a monitoring area corresponds to or is a part of only one LFC area.
 - b. an LFC area corresponds to or is a part of only one LFC block.
 - c. an LFC block corresponds to or is a part of only one synchronous area; and
 - d. each network element is part of only one monitoring area, only one LFC area and only one LFC block.
 - (4) The LFC blocks determination proposal takes into account the load-frequency control structure of each synchronous area in accordance with Article 139 of SO GL. The operation of Load-Frequency Control processes is based on operational areas, where every area has their individual responsibilities with respect to the LFC structure. The superior structure is the synchronous area in which frequency is the same for the whole area.
 - (5) The synchronous area GB consists of one LFC Block, this LFC Block consists of one LFC Area, and this LFC Area consists of one Monitoring Area.
 - (6) The scope of the LFC blocks determination proposal is to establish the LFC blocks, LFC areas and monitoring areas for Great Britain, while respecting the requirements set in Article 141(2) of the SO GL.
 - (7) According to Article 6(6) of the SO GL, the expected impact of the LFC blocks determination proposal on the objectives of the SO GL has to be described. It is presented below. The proposed LFC blocks determination proposal generally contributes toward determining the
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common load-frequency control processes and control structures required by Article 4(1)(c) of the SO GL.

- (8) In particular, the LFC blocks determination proposal specifies the LFC blocks, LFC areas and Monitoring areas in Great Britain, in line with requirement of Article 4(1) (c) of SO GL.
- (9) In conclusion, the LFC blocks determination proposal contributes to the general objectives of the SO GL Regulation to the benefit of all market participants and electricity end consumers.

SUBMIT THE FOLLOWING LFC BLOCKS DETERMINATION PROPOSAL TO OFGEM AS THE GB COMPETANT REGULATORY AUTHORITY:

Article 1
Subject matter and scope

- 1. The determination of LFC blocks as specified in this proposal shall be considered as the common proposal of all TSO in accordance with Article 141(2) of SO GL Regulation.

Article 2
Definitions and interpretation

For the purposes of the LFC blocks determination proposal, terms used in this document shall have the meaning of the definitions included in Article 3 of the SO GL Regulation, of Regulation (EC) 714/2009, and of Directive 2009/72/EC.

- 1. In this LFC blocks proposal, unless the context requires otherwise:
 - a) the singular indicates the plural and vice versa;
 - b) the table of contents and headings are inserted for convenience only and do not affect the interpretation of this LFC blocks determination proposal; and
 - c) 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.

Article 3
Synchronous Area Great Britain LFC blocks, LFC areas and monitoring area

The synchronous area Great Britain shall consist of the LFC blocks, LFC areas and Monitoring Areas set out in Table 1.

Country	TSO (full company name)	TSO (short name)	Monitoring Area	LFC AREA	LFC Block
Great Britain	National Grid Electricity Transmission plc	NGET	NGET	NGET	NGET

Table 1: List of Monitoring Areas, LFC Areas and LFC Blocks.

Article 4

Publication and implementation of the LFC blocks determination proposal

1. The TSO shall publish the LFC blocks determination proposal without undue delay after the NRA has approved the proposal or a decision has been taken by the Agency for the Cooperation of Energy Regulators (ACER) in accordance with Article 8(1) of the SO GL.
2. The TSO shall implement the LFC blocks determination proposal as soon as regulatory authorities have approved the proposal in accordance with Article 6 (3) SO GL or a decision has been taken by the Agency in accordance with Article 6(8) SO GL.

Article 5

Language

The reference language for this LFC blocks determination Proposal shall be English. For the avoidance of doubt, where TSO need to translate this LFC blocks determination proposal into their national language(s), in the event of inconsistencies between the English version published by TSO in accordance with Article 8 of the SO GL Regulation and any version in another language, the relevant TSO shall, in accordance with national legislation, provide the relevant national regulatory authorities with an updated translation of the LFC blocks determination proposal.