

## OPERATING CODE NO. 4

(OC4)

### REAL TIME REPORTING OF GB NETS SYSTEM STATE AND OTHER OPERATIONAL INFORMATION IN EMERGENCY OR BLACKOUT OR RESTORATION SITUATIONS

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#### OC4.1 INTRODUCTION

Operating Code No.4 ("OC4") is concerned with the real time reporting to stakeholders, by **The Company**, of the **GB NETS System State** and other relevant operational information in emergency, blackout or restoration state.

The possible **GB NETS System States** are defined within **Retained EU Law** (Commission Regulation (EU) 2017/1485 "System Operation Guideline". The **GB NETS System State** is monitored and determined by **The Company** in accordance with that regulation.

#### OC4.2 OBJECTIVES

The objective of OC4 is to require the real time reporting to stakeholders of the **GB NETS System State** and other relevant operational information in emergency, blackout or restoration states by **The Company**.

#### OC4.3 NOT USED

#### OC4.4 REPORTING OF THE GB NETS SYSTEM STATE

OC4.4.1 **The Company** shall inform at least the following stakeholders of the **GB NETS System State** in emergency, blackout or restoration states:

(i) Network Operators with a direct connection to the **Transmission System**;

(ii) Defence Service Providers;

(iii) Parties identified in Appendix A of the System Restoration Plan as SGUs and to **Restoration Service Providers**; and

(iv) The Authority.

OC4.4.2 **The Company** shall ensure that any changes to the **GB NETS System State** either entering or leaving the 'emergency', 'blackout' or 'restoration' states are reported to stakeholders without undue delay following a change in state.

OC4.4.2 The format of such a message will include, but is not limited to, the current **GB NETS System State** and the time at which the change in the state took place.

OC4.4.3 The reporting of the **GB NETS System State** will be carried out by means of messages inputted by **The Company** to the system warnings webpage of the **Balancing Mechanism Reporting Service (BMRS)**.

#### OC4.5 REPORTING OF OPERATIONAL INFORMATION ONLY RELEVANT TO NETWORK OPERATORS

OC4.5.1 During the emergency, blackout or restoration states, **The Company** shall ensure that at least the following items of information are reported to **Network Operators** without undue delay:

(i) the limits of **Active Power** and **Reactive Power**, block loading to be made available, transformer tap and circuit breaker position at **Connection Points**;

(ii) the information on the current and planned status of **User's Plant** and **Apparatus** connected to the **Network Operator's System** where that information is available to **The Company**; and

(iii) all necessary information that may require the **Network Operator** to co-ordinate with an **Embedded User(s)**.

#### OC4.6 REPORTING OF OPERATIONAL INFORMATION RELEVANT TO DEFENCE SERVICE PROVIDERS

OC4.6.1 During the emergency, blackout or restoration states, **The Company** shall ensure that at least the following information is reported to **Defence Service Providers** as soon as is reasonably practicable and without undue delay:

(i) information regarding the scheduled measures that require participation of **Defence Service Providers**:

OC4.7 REPORTING OF OPERATIONAL INFORMATION RELEVANT TO NETWORK OPERATORS, USER AND RESTORATION SERVICE PROVIDERS

OC4.7.1 During the emergency, blackout or restoration states, **The Company** shall ensure that at least the following items of information are reported to **Network Operators**, SGUs as defined in **Appendix A of the System Restoration Plan** and **Restoration Service Providers** as soon as is reasonably practicable and without undue delay:

(i) the ability and plans to re-energise parts of the **Total System** in accordance with the requirements of OC9-; and

(ii) the scheduled measures that require their participation.

OC4.8 REPORTING OF THE COMPANY AND TRANSMISSION LICENSEE ONLY RELEVANT OPERATIONAL INFORMATION

OC4.8.1 When the **GB NETS System State** is in either an emergency, blackout or restoration state, **The Company** shall ensure that at least the following items of information are reported to **Transmission Licensees** as soon as is reasonably practicable and without undue delay:

(i) the circumstances that led to the current system state of the **Transmission System**, to the extent that they are known; and

(ii) the potential problems requiring assistance for **Active Power** necessary.

OC4.9 REPORTING OF OPERATIONAL INFORMATION RELEVANT TO THE AUTHORITY

OC4.9.1 When the **GB NETS System State** is in either an emergency, blackout or restoration state, **The Company** shall ensure that relevant information is reported to **The Authority** without undue delay.

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