

DRAFT OPERATING CODE 11 LEGAL TEXT

Key

- 1) Blue Text – From Grid Code
- 2) Black Text – Changes / Additional words
- 3) Orange/ Brown text – From RfG
- 4) Purple – From HVDC Code
- 5) Green – From DCC (not used in this document)
- 6) Highlighted Green text – Questions for Stakeholders / Consultation
- 7) Highlighted yellow text – Nomenclature / Table / Figure numbers – to be finalised when more detail has been added
- 8) **NOTE:-** This drafting does not include any updates for the DCC. These changes will be implemented through GC0104.
- 9) The Baseline version is that issued with the mapping table on 9 November 2017. All updates from this version, including the comments received as part of the Workgroup Consultation, results of the legal drafting session held on 16th/17th November and the mapping session held on 20 November are in track change marked format.
- 10) Additional comments following issue of G&D's on 6 December following National Grid Legal checks.

OPERATING CODE NO. 11

(OC11)

**NUMBERING AND NOMENCLATURE OF
HIGH VOLTAGE APPARATUS AT CERTAIN SITES**

CONTENTS

(This contents page does not form part of the Grid Code)

<u>Paragraph No/Title</u>	<u>Page Number</u>
OC11.1 INTRODUCTION.....	2
OC11.2 OBJECTIVE.....	2
OC11.3 SCOPE.....	2
OC11.4 PROCEDURE.....	2
OC11.4.2 Transmission HV Apparatus Or OTSDUW HV Apparatus On Users' Sites	3
OC11.4.3 User HV Apparatus Or OTSDUW HV Apparatus On Transmission Sites.....	3
OC11.4.4 Changes.....	34

Comment [A1]: Note- All text has been justified

OC11.1 INTRODUCTION

OC11.1.1 **Operating Code No.11** ("OC11") sets out the requirement that:

- (a) **Transmission HV Apparatus** on **Users' Sites**; and
- (b) **User HV Apparatus** on **Transmission Sites**; and
- (c) **OTSDUW HV Apparatus** on both **Users Sites** and the **Transmission Sites**;

shall have numbering and nomenclature in accordance with the system used from time to time by **NGET**.

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OC11.1.2 The numbering and nomenclature (if required under the system of numbering and nomenclature used from time to time by **NGET**) of each item of **HV Apparatus** shall be included in the **Operation Diagram** prepared for each **Transmission Site** or **User Site**, as the case may be. Further provisions on **Operation Diagrams** are contained in the **Connection Conditions** and in each **Bilateral Agreement**.

OC11.1.3 In **OC11** the term "**HV Apparatus**" includes any **SF₆ Gas Zones** associated with any **HV Apparatus**.

OC11.1.4 In **OC11** the term "**OTSDUW HV Apparatus**" applies to any **HV Apparatus** installed by a **User** as **OTSDUW** until it is accepted on to the **National Electricity Transmission System** at which time for the purposes of **OC11** it will be termed **Transmission HV Apparatus**.

OC11.2 OBJECTIVE

OC11.2.1 The overall objective of **OC11** is to ensure, so far as possible, the safe and effective operation of the **Total System** and to reduce the risk of human error faults by requiring, in certain circumstances, that the numbering and nomenclature of **Users HV Apparatus** and **OTSDUW HV Apparatus** shall be in accordance with the system used from time to time by **NGET**.

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OC11.3 SCOPE

OC11.3.1 **OC11** applies to **NGET** and to **Users**, which in **OC11** means:-

- (a) **Generators**;
- (b) **Generators** undertaking **OTSDUW**;
- (c) **Network Operators**;
- (d) **Non-Embedded Customers**; and
- (e) **DC Converter Station** owners; and
- (f) **HVDC System Owners**

OC11.4 PROCEDURE

OC11.4.1.1 The term "**User Site**" means a site owned (or occupied pursuant to a lease, licence or other agreement) by a **User** in which there is a **Connection Point** (and in the case of **OTSDUW**, where there is a **Connection Point** or an **Interface Point**). For the avoidance of doubt, where a site is owned by **NGET** (in England and Wales) or a **Relevant Transmission Licensee** (in Scotland or **Offshore**) but occupied by a **User** (as aforesaid), the site is a **User Site**.

OC11.4.1.2 The term "**Transmission Site**" means a site owned (or occupied pursuant to a lease, licence or other agreement) by **NGET** (in England and Wales) or by a **Relevant Transmission Licensee** (in Scotland or **Offshore**) in which there is a **Connection Point** (or in the case of **OTSDUW**, an **Interface Point**). For the avoidance of doubt, where a site is owned by a **User** but occupied by **NGET** (in England and Wales) or a **Relevant Transmission Licensee** (in Scotland or **Offshore**)(as aforesaid), the site is an **Transmission Site**.

OC11.4.2 [Transmission HV Apparatus Or OTSDUW HV Apparatus On Users' Sites](#)

- (a) **Transmission HV Apparatus** or **OTSDUW HV Apparatus** on **Users' Sites** shall have numbering and nomenclature in accordance with the system used from time to time by **NGET**;
- (b) when **NGET** (for sites in England and Wales) or the **Relevant Transmission Licensee** (for sites in Scotland or **Offshore**) is to install its **HV Apparatus** on a **User's Site**, **NGET** shall (unless it gives rise to a **Modification** under the **CUSC**, in which case the provisions of the **CUSC** as to the timing apply) notify the relevant **User** of the numbering and nomenclature to be adopted for that **HV Apparatus** at least eight months prior to proposed installation. When **OTSDUW HV Apparatus** is to be installed on a **User's Site**, **NGET** shall notify the relevant **User** of the numbering and nomenclature to be adopted for that **OTSDUW HV Apparatus** at least eight months prior to proposed installation;
- (c) in the case of **HV Apparatus**, the notification will be made in writing to the relevant **User** and will consist of both a proposed **Operation Diagram** incorporating the proposed new **Transmission HV Apparatus** to be installed, its proposed numbering and nomenclature, and the date of its proposed installation. In the case of **OTSDUW HV Apparatus**, the notification will be provided as part of the **OTSDUW Network Data and Information**;
- (d) the relevant **User** will respond in writing to **NGET** within one month of the receipt of the notification, confirming receipt and confirming either that any other **HV Apparatus** of the relevant **User** on such **User Site** does not have numbering and/or nomenclature which could be confused with that proposed by **NGET**, or, to the extent that it does, that the relevant other numbering and/or nomenclature will be changed before installation of the **Transmission HV Apparatus** or **OTSDUW HV Apparatus**;
- (e) the relevant **User** will not install, or permit the installation of, any **HV Apparatus**, including **OTSDUW HV Apparatus** on such **User Site** which has numbering and/or nomenclature which could be confused with **Transmission HV Apparatus** which is either already on that **User Site** or which **NGET** has notified that **User** will be installed on that **User Site**.

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Comment [A4]: Housekeeping - remove space

OC11.4.3 [User HV Apparatus Or OTSDUW HV Apparatus On Transmission Sites](#)

- (a) **User HV Apparatus** and any **OTSDUW HV Apparatus** on **Transmission Sites** shall have numbering and nomenclature in accordance with the system used from time to time by **NGET**;
- (b) when a **User** is to install its **HV Apparatus** on an **Transmission Site**, or it wishes to replace existing **HV Apparatus** on an **Transmission Site** and it wishes to adopt new numbering and nomenclature for such **HV Apparatus**, the **User** shall (unless it gives rise to a **Modification** under the **CUSC** in which case the provisions of the **CUSC** as to the timing apply) notify **NGET** of the details of the **HV Apparatus** and the proposed numbering and nomenclature to be adopted for that **HV Apparatus**, at least eight months prior to proposed installation;
- (c) the notification will be made in writing to **NGET** and shall consist of both a proposed **Operation Diagram** incorporating the proposed new **HV Apparatus** of the **User** to be installed, its proposed numbering and nomenclature, and the date of its proposed installation;
- (d) **NGET** will respond in writing to the **User** within one month of the receipt of the notification stating whether or not **NGET** accepts the **User's** proposed numbering and nomenclature and, if they are not acceptable, it shall give details of the numbering and nomenclature which the **User** shall adopt for that **HV Apparatus**;
- (e) when a **User** is to install **OTSDUW HV Apparatus** on a **Transmission Site**, **NGET** shall notify the relevant **User** of the numbering and nomenclature to be adopted for that **HV Apparatus** at least eight months prior to proposed installation. This notification will be provided as part of the **OTSDUW Network Data and Information**.

Comment [A5]: Housekeeping - add the word "shall"

OC11.4.4 [Changes](#)

Where **NGET** in its reasonable opinion has decided that it needs to change the existing numbering or nomenclature of **Transmission HV Apparatus** on a **User's Site** or of **User's HV Apparatus** on an **Transmission Site**:

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(a) the provisions of paragraph OC11.4.2 shall apply to such change of numbering or nomenclature of **Transmission HV Apparatus** with any necessary amendments to those provisions to reflect that only a change is being made; and

(b) in the case of a change in the numbering or nomenclature of **User's HV Apparatus** on an **Transmission Site**, **NGET** will (unless it gives rise to a **Modification** under the **CUSC**, in which case the provisions of the **CUSC** as to the timing apply) notify the **User** of the numbering and/or nomenclature the **User** shall adopt for that **HV Apparatus** (the notification to be in a form similar to that envisaged under OC11.4.2) at least eight months prior to the change being needed and the **User** will respond in writing to **NGET** within one month of the receipt of the notification, confirming receipt.

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In either case the notification shall indicate the reason for the proposed change.

OC11.4.5 **Users** will be provided upon request with details of **NGET's** then current numbering and nomenclature system in order to assist them in planning the numbering and nomenclature for their **HV Apparatus** or **OTSDUW HV Apparatus** on **Transmission Sites** and **OTSDUW HV Apparatus** on **User's Sites**.

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OC11.4.6 When a **User** installs **HV Apparatus** or **OTSDUW HV Apparatus** which is the subject of **OC11**, the **User** shall be responsible for the provision and erection of clear and unambiguous labelling showing the numbering and nomenclature. Where a **User** is required by **OC11** to change the numbering and/or nomenclature of **HV Apparatus** which is the subject of **OC11**, the **User** will be responsible for the provision and erection of clear and unambiguous labelling by the required date.

When either **NGET** (for sites in England and Wales), or a **Relevant Transmission Licensee** (for sites in Scotland or **Offshore**) installs **HV Apparatus** which is the subject of **OC11**, **NGET** shall be responsible for the provision and erection of a clear and unambiguous labelling showing the numbering and nomenclature. Where **NGET** changes the numbering and /or nomenclature of **HV Apparatus** which is the subject of **OC11**, **NGET** will be responsible for the provision and erection of clear and unambiguous labelling showing the numbering and nomenclature by the required date.

OC11.4.7 For sites in England and Wales, **NGET** will not change its system of numbering and nomenclature in use immediately prior to the **Transfer Date** (which is embodied in OM5 (Operation Memorandum No.5 - Numbering and Nomenclature of HV Apparatus on the CEGB Grid System Issue 3 June 1987)), other than to reflect new or newly adopted technology or **HV Apparatus**. For the avoidance of doubt, this OC11.4.7 refers to the system of numbering and nomenclature, and does not preclude changes to the numbering and/or nomenclature of **HV Apparatus** which are necessary to reflect newly installed **HV Apparatus**, or re-configuration of **HV Apparatus** installed, and similar changes being made in accordance with that system of numbering and nomenclature.

< END OF OPERATING CODE NO. 11 >