# 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)

<table>
<thead>
<tr>
<th>Paragraph No/Title</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC11.1 INTRODUCTION</td>
<td>2</td>
</tr>
<tr>
<td>OC11.2 OBJECTIVE</td>
<td>2</td>
</tr>
<tr>
<td>OC11.3 SCOPE</td>
<td>2</td>
</tr>
<tr>
<td>OC11.4 PROCEDURE</td>
<td>2</td>
</tr>
<tr>
<td>OC11.4.2 Transmission HV Apparatus Or OTSDUW HV Apparatus On Users’ Sites</td>
<td>3</td>
</tr>
<tr>
<td>OC11.4.3 User HV Apparatus Or OTSDUW HV Apparatus On Transmission Sites</td>
<td>3</td>
</tr>
<tr>
<td>OC11.4.4 Changes</td>
<td>4</td>
</tr>
</tbody>
</table>
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 User's Sites and the Transmission Sites;

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

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 User's HV Apparatus and OTSDUW HV Apparatus shall be in accordance with the system used from time to time by NGET.

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.

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 a 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.

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 a 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
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.

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:

(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.

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.

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 >