

Our Ref:

Your Ref:

Date: January 2006

Commercial  
Electricity Codes

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To: All Recipients of the Serviced  
Grid Code

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Dear Sir/Madam

### **THE SERVICED GRID CODE – ISSUE 3 REVISION 13**

Revision 13 of Issue 3 of the Grid Code has come into effect on **09 January 2006**.

This Revision updates the Annex to the General Conditions to align it with the introduction of the Relevant Electrical Standards Document. This was approved for implementation in accordance with GC.11.3 by the Grid Code Review Panel at its November 2005 meeting.

The enclosed note provides a brief summary of the changes made to the text.

Yours faithfully

M Duffield  
Electricity Codes



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No 2366977



**THE GRID CODE – ISSUE 3 REVISION 13**

**INCLUSION OF REVISED PAGES**

Title Page

General Conditions

**GC - Pages 8 to 16**

NOTE: See Page 1 of the Revisions section of the Grid Code for details of how the revisions are indicated on the pages.

## **NATIONAL GRID ELECTRICITY TRANSMISSION PLC**

### **THE GRID CODE – ISSUE 3 REVISION 13**

#### **SUMMARY OF CHANGES**

The changes arise from the implementation of modifications proposed in Consultation Paper **GES/1/05** (Proposed Relevant Electrical Standards Document).

1. The implementation under the Governance of Electrical Standards of the Relevant Electrical Standards Document in England and Wales has led to an update of the list of electrical standards in the Annex to the General Conditions.

# **THE GRID CODE**

**Issue 3**

**Revision 13**  
**9<sup>th</sup> January 2006**

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**THIS DOCUMENT IS ISSUED BY:-**

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GC.12.2 NGET has obligations under the **STC** to inform **Relevant Transmission Licensees** of certain data. **NGET** may pass on **User** data to a **Relevant Transmission Licensee** where **NGET** is required to do so under a provision of the **STC** current as at 1 April 2005. Those categories of **User** information that **NGET** is permitted to disclose to a **Relevant Transmission Licensee**, where required to do so by a provision of the **STC**, are set out in Schedule Three of the **STC** ('Information and data exchange specification').

GC.13 RELEVANT TRANSMISSION LICENSEES

GC.13.1 It is recognised that the **Relevant Transmission Licensees** are not parties to the **Grid Code**. Accordingly, notwithstanding that Operating Code No. 8 Appendix 2 ("OC8B"), OC7.6, OC9.4 and OC9.5 refer to obligations which will in practice be performed by the **Relevant Transmission Licensees** in accordance with relevant obligations under the **STC**, for the avoidance of doubt all contractual rights and obligations arising under OC8B, OC7.6, OC9.4 and OC9.5 shall exist between **NGET** and the relevant **User** and in relation to any enforcement of those rights and obligations OC8B, OC7.6, OC9.4 and OC9.5 shall be so read and construed. The **Relevant Transmission Licensees** shall enjoy no enforceable rights under OC8B, OC7.6, OC9.4 and OC9.5 nor shall they be liable (other than pursuant to the **STC**) for failing to discharge any obligations under OC8B, OC7.6, OC9.4 and OC9.5.

GC.13.2 For the avoidance of doubt nothing in this **Grid Code** confers on any **Relevant Transmission Licensee** any rights, powers or benefits for the purpose of the Contracts (Rights of Third Parties) Act 1999.

GC.14 BETTA TRANSITION ISSUES

GC.14.1 The provisions of the Appendix to the **General Conditions** apply in relation to issues arising out of the transition associated with the designation of amendments to the **Grid Code** by the **Secretary of State** in accordance with the provisions of the Energy Act 2004 for the purposes of Condition C14 of **NGET's Transmission Licence**.

GC.15 *Embedded Exemptable Large and Medium Power Stations*

GC.15.1 This GC.15.1 shall have an effect until and including 31<sup>st</sup> March 2007.

(i) CC.6.3.2, CC.6.3.7, CC.8.1 and BC3.5.1; and

(ii) Planning Code obligations and other Connection Conditions;

shall apply to a **User** who owns or operates

(a) an **Embedded Exemptable Large Power Station**, or

(b) an **Embedded Exemptable Medium Power Station** in Scotland

except where and to the extent that, in respect of that **Embedded Exemptable Large Power Station** or **Embedded Exemptable Medium Power Station**, **NGET** agrees or where the relevant **User** and **NGET** fail to agree, where and to the extent that the **Authority** consents.

## Annex to the General Conditions

The **Electrical Standards** are as follows:-

- (a) **Electrical Standards** applicable in England and Wales

The Relevant Electrical Standards Document                      Issue 1.0    09-Jan-2006

- (b) The following specifications for electronic data communications facilities with reference to EDT and EDL facilities.

EDT Interface Specification	Issue 4
EDT Submitter Guidance Note	Dec-01
EDL Message Interface Specifications	Issue 4
EDL Interface Specification Guidance Note	Oct-01
EDL Instruction Interface Valid Reason Codes	Issue 2

- (c) Scottish **Electrical Standards** for **SPT's Transmission System**.

SPTTS 1	Requirements for the SP Transmission System and Connection Points to it.	Issue 1
SPTTS 2.1	Substations	Issue 1
SPTTS 2.2	Switchgear	Issue 1
SPTTS 2.3	Transformers and Reactors	Issue 1
SPTTS 2.5	Cables	Issue 1
SPTTS 2.6	Protection	Issue 1
SPTTS 2.7	Substation Control Systems	Issue 1
SPTTS 2.12	Substation Auxiliary Supplies	Issue 1



(d) Scottish **Electrical Standards** for **SHETL's Transmission System**.

1. NGTS 1: Rating and General Requirements for Plant, Equipment, Apparatus and Services for the National Grid System and Direct Connection to it. Issue 3 March 1999.
2. NGTS 2.1: Substations  
Issue 2 May 1995
3. NGTS 3.1.1: Substation Interlocking Schemes.  
Issue 1 October 1993.
4. NGTS 3.2.1: Circuit Breakers and Switches.  
Issue 1 September 1992.
5. NGTS 3.2.2: Disconnectors and Earthing Switches.  
Issue 1 March 1994.
6. NGTS 3.2.3: Metal-Oxide surge arresters for use on 132, 275 and 400kV systems.  
Issue 2 May 1994.
7. NGTS 3.2.4: Current Transformers for protection and General use on the 132, 275 and 400kV systems.  
Issue 1 September 1992.
8. NGTS 3.2.5: Voltage Transformers for use on the 132, 275 and 400 kV systems.  
Issue 2 March 1994.
9. NGTS 3.2.6: Current and Voltage Measurement Transformers for Settlement Metering of 33, 66, 132, 275 and 400kV systems.  
Issue 1 September 1992.
10. NGTS 3.2.7: Bushings for the Grid Systems.  
Issue 1 September 1992.
11. NGTS 3.2.9: Post Insulators for Substations.  
Issue 1 May 1996.
12. NGTS 2.6: Protection  
Issue 2 June 1994.
13. NGTS 3.11.1: Capacitors and Capacitor Banks.  
Issued 1 March 1993.

## Appendix to the General Conditions

### GC.A1 Introduction

- GC.A1.1 This Appendix to the **General Conditions** deals with issues arising out of the transition associated with the designation of amendments to the **Grid Code** by the **Secretary of State** in accordance with the provisions of the Energy Act 2004 for the purposes of Condition C14 of **NGET's Transmission Licence**. For the purposes of this Appendix to the **General Conditions**, the version of the **Grid Code** as amended by the changes designated by the **Secretary of State** and as further amended from time to time shall be referred to as the "**GB Grid Code**".
- GC.A1.2 The provisions of this Appendix to the **General Conditions** shall only apply to **Users** (as defined in GC.A1.4) and **NGET** after **Go-Live** for so long as is necessary for the transition requirements referred to in GC.A1.1 and cut-over requirements (as further detailed in GC.A3.1) to be undertaken.
- GC.A1.3 In this Appendix to the **General Conditions**:
- (a) **Existing E&W Users** and **E&W Applicants** are referred to as "**E&W Users**";
  - (b) **Users** who as at 1 January 2005 have entered into an agreement or have accepted an offer for connection to and/or use of the **Transmission System** of **NGET** are referred to as "**Existing E&W Users**";
  - (c) **Users** (or prospective **Users**) other than **Existing E&W Users** who apply during the **Transition Period** for connection to and/or use of the **Transmission System** of **NGET** are referred to as "**E&W Applicants**";
  - (d) **Existing Scottish Users** and **Scottish Applicants** are referred to as "**Scottish Users**";
  - (e) **Users** who as at 1 January 2005 have entered into an agreement or have accepted an offer for connection to and/or use of the **Transmission System** of either **Relevant Transmission Licensee** are referred to as "**Existing Scottish Users**";
  - (f) **Users** (or prospective **Users**) other than **Existing Scottish Users** who apply during the **Transition Period** for connection to and/or use of the **Transmission System** of either **Relevant Transmission Licensee** are referred to as "**Scottish Applicants**";
  - (g) the term "**Transition Period**" means the period from **Go-Active** to **Go-Live** (unless it is provided to be different in relation to a particular provision), and is the period with which this Appendix to the **General Conditions** deals;
  - (h) the term "**Interim GB SYS**" means the document of that name referred to in Condition C11 of **NGET's Transmission Licence**;
  - (i) the term "**Go-Active**" means the date on which the amendments designated by the **Secretary of State** to the **Grid Code** in accordance with the Energy Act 2004 come into effect; and

- (j) the term “**Go-Live**” means the date which the **Secretary of State** indicates in a direction shall be the BETTA go-live date.

GC.A1.4 The provisions of GC.2.1 shall not apply in respect of this Appendix to the **General Conditions**, and in this Appendix to the **General Conditions** the term “**Users**” means:

- (a) **Generators**;
- (b) **Network Operators**;
- (c) **Non-Embedded Customers**;
- (d) **Suppliers**;
- (e) **BM Participants**; and
- (f) **Externally Interconnected System Operators**,
- (g) **DC Converter Station** owners

to the extent that the provisions of this Appendix to the **General Conditions** affect the rights and obligations of such **Users** under the other provisions of the **GB Grid Code**.

GC.A1.5 The **GB Grid Code** has been introduced with effect from **Go-Active** pursuant to the relevant licence changes introduced into **NGET’s Transmission Licence**. **NGET** is required to implement and comply, and **Users** to comply, with the **GB Grid Code** subject as provided in this Appendix to the **General Conditions**, which provides for the extent to which the **GB Grid Code** is to apply to **NGET** and **Users** during the **Transition Period**.

GC.A1.6 This Appendix to the **General Conditions** comprises:

- (a) this Introduction;
- (b) **GB Grid Code** transition issues; and
- (c) Cut-over issues.

GC.A1.7 Without prejudice to GC.A1.8, the failure of any **User** or **NGET** to comply with this Appendix to the **General Conditions** shall not invalidate or render ineffective any part of this Appendix to the **General Conditions** or actions undertaken pursuant to this Appendix to the **General Conditions**.

GC.A1.8 A **User** or **NGET** shall not be in breach of any part of this Appendix to the **General Conditions** to the extent that compliance with that part is beyond its power by reason of the fact that any other **User** or **NGET** is in default of its obligations under this Appendix to the **General Conditions**.

GC.A1.9 Without prejudice to any specific provision under this Appendix to the **General Conditions** as to the time within which or the manner in which a **User** or **NGET** should perform its obligations under this Appendix to the **General Conditions**,

where a **User** or **NGET** is required to take any step or measure under this Appendix to the **General Conditions**, such requirement shall be construed as including any obligation to:

- (a) take such step or measure as quickly as reasonably practicable; and
- (b) do such associated or ancillary things as may be necessary to complete such step or measure as quickly as reasonably practicable.

GC.A1.10 **NGET** shall use reasonable endeavours to identify any amendments it believes are needed to the **GB Grid Code** in respect of the matters referred to for the purposes of Condition C14 of **NGET's Transmission Licence** and in respect of the matters identified in GC.A1.11, and, having notified the **Authority** of its consultation plans in relation to such amendments, **NGET** shall consult in accordance with the instructions of the **Authority** concerning such proposed amendments.

GC.A1.11 The following matters potentially require amendments to the **GB Grid Code**:

- (a) The specific detail of the obligations needed to manage implementation in the period up to and following (for a temporary period) **Go-Live** to achieve the change to operation under the **GB Grid Code** (to be included in GC.A3).
- (b) Information (including data) and other requirements under the **GB Grid Code** applicable to **Scottish Users** during the **Transition Period** (to be included in GC.A2).
- (c) The conclusions of Ofgem/DTI in relation to small and/or embedded generator issues under BETTA and allocation of access rights on a GB basis.
- (d) Any arrangements required to make provision for operational liaison, including **Black Start** and islanding arrangements in Scotland.
- (e) Any arrangements required to make provision for cascade hydro **BM Units**.
- (f) Any consequential changes to the safety co-ordination arrangements resulting from **STC** and **STC** procedure development.
- (g) Any arrangements required to reflect the **Electrical Standards** for the **Transmission Systems** of **SPT** and **SHETL**.
- (h) The conclusions of Ofgem/DTI in relation to planning and operating standards.

GC.A1.12 **NGET** shall notify the **Authority** of any amendments that **NGET** identifies as needed pursuant to GC.A1.10 and shall make such amendments as the **Authority** approves.

GC.A2 GB Grid Code Transition

### **General Provisions**

GC.A2.1 The provisions of the **GB Grid Code** shall be varied or suspended (and the requirements of the **GB Grid Code** shall be deemed to be satisfied) by or in accordance with, and for the period and to the extent set out in this GC.A2, and in accordance with the other applicable provisions in this Appendix to the **General Conditions**.

GC.A2.2 **E&W Users:**

In furtherance of the licence provisions referred to in GC.A1.5, **E&W Users** shall comply with the **GB Grid Code** during the **Transition Period**, but shall comply with and be subject to it subject to this Appendix to the **General Conditions**, including on the basis that:

- (a) during the **Transition Period** the **Scottish Users** are only complying with the **GB Grid Code** in accordance with this Appendix to the **General Conditions**; and
- (b) during the **Transition Period** the **GB Transmission System** shall be limited to the **Transmission System** of **NGET**, and all rights and obligations of **E&W Users** in respect of the **GB Transmission System** under the **GB Grid Code** shall only apply in respect of the **Transmission System** of **NGET**, and all the provisions of the **GB Grid Code** shall be construed accordingly.

GC.A2.3 **Scottish Users:**

In furtherance of the licence provisions referred to in GC.A1.5, **Scottish Users** shall comply with the **GB Grid Code** and the **GB Grid Code** shall apply to or in relation to them during the **Transition Period** only as provided in this Appendix to the **General Conditions**.

GC.A2.4 **NGET:**

In furtherance of the licence provisions referred to in GC.A1.5, **NGET** shall implement and comply with the **GB Grid Code** during the **Transition Period**, but shall implement and comply with and be subject to it subject to, and taking into account, all the provisions of this Appendix to the **General Conditions**, including on the basis that:

- (a) during the **Transition Period** **NGET's** rights and obligations in relation to **E&W Users** in respect of the **GB Transmission System** under the **GB Grid Code** shall only apply in respect of the **Transmission System** of **NGET**, and all the provisions of the **GB Grid Code** shall be construed accordingly; and
- (b) during the **Transition Period** **NGET's** rights and obligations in relation to **Scottish Users** in respect of the **GB Transmission System** under the **GB Grid Code** shall only be as provided in this Appendix to the **General Conditions**.

**Specific Provisions**

GC.A2.5 **Definitions:**

The provisions of the **GB Grid Code Glossary and Definitions** shall apply to and for the purposes of this Appendix to the **General Conditions** except where provided to the contrary in this Appendix to the **General Conditions**.

GC.A2.6 **Identification of Documents:**

In the period beginning at **Go-Active**, **Scottish Users** will work with **NGET** to identify and agree with **NGET** any documents needed to be in place in accordance with the **GB Grid Code**, to apply from **Go-Live** or as earlier provided for under this Appendix to the **General Conditions**, including (without limitation) **Site Responsibility Schedules**, **Gas Zone Diagrams** and **OC9 Desynchronised Island Procedures**.

GC.A2.7 **Data:**

Each **Scottish User** must provide, or enable a **Relevant Transmission Licensee** to provide, **NGET**, as soon as reasonably practicable upon request, with all data which **NGET** needs in order to implement, with effect from **Go-Live**, the **GB Grid Code** in relation to Scotland. This data will include, without limitation, the data that a new **User** is required to submit to **NGET** under CC.5.2. **NGET** is also entitled to receive data on **Scottish Users** over the **Relevant Transmission Licensees'** SCADA links to the extent that **NGET** needs it for use in testing and in order to implement, with effect from **Go-Live**, the **GB Grid Code** in relation to Scotland. After **Go-Live** such data shall, notwithstanding GC.A1.2, be treated as though it had been provided to **NGET** under the enduring provisions of the **GB Grid Code**.

GC.A2.8 **Verification of Data etc:**

**NGET** shall be entitled to request from a **Scottish User** (which shall comply as soon as reasonably practicable with such a request) confirmation and verification of any information (including data) that has been received by a **Relevant Transmission Licensee** under an existing grid code and passed on to **NGET** in respect of that **Scottish User**. After **Go-Live** such information (including data) shall, notwithstanding GC.A1.2, be treated as though provided to **NGET** under the enduring provisions of the **GB Grid Code**.

GC.A2.9 **Grid Code Review Panel:**

- (a) The individuals whose names are notified to **NGET** by the **Authority** prior to **Go-Active** as **Panel** members (and alternate members, if applicable) are agreed by **Users** (including **Scottish Users**) and **NGET** to constitute the **Panel** members and alternate members of the **Grid Code Review Panel** as at the first meeting of the **Grid Code Review Panel** after **Go-Active** as if they had been appointed as **Panel** members (and alternate members) pursuant to the relevant provisions of the Constitution and Rules of the **Grid Code Review Panel** incorporating amendments equivalent to the amendments to GC.4.2 and GC.4.3 designated by the **Secretary of State** in accordance with the provisions of the Energy Act 2004 for the purposes of Condition C14 of **NGET's Transmission Licence**.

- (b) The provisions of GC.4 of the **GB Grid Code** shall apply to, and in respect of, **Scottish Users** from **Go-Active**.

GC.A2.10 **Interim GB SYS:**

Where requirements are stated in, or in relation to, the **GB Grid Code** with reference to the **Seven Year Statement**, they shall be read and construed as necessary as being with reference to the **Interim GB SYS**.

GC.A2.11 **General Conditions:**

The provisions of GC.4, GC.12 and GC.13.2 of the **GB Grid Code** shall apply to and be complied with by **Scottish Users** in respect of this Appendix to the **General Conditions**.

GC.A2.12 **OC2 Data**

- (a) The following provisions of the **GB Grid Code** shall apply to and be complied with by **Scottish Users** with effect from the relevant date indicated below:
- (i) OC2.4.1.2.3 (a) from 19 January 2005 in respect of 2 to 52 week submissions,
  - (ii) OC2.4.1.2.4 (c) from 25 February 2005 in respect of 2 to 49 day submissions,
  - (iii) OC2.4.1.2.4 (b) from 22 March 2005 in respect of 2 to 14 day submissions,

The data to be submitted in respect of OC2.4.1.2.3 (a) and OC2.4.1.2.4 (b) and (c) need only be in respect of dates on or after 1 April 2005.

GC.A3 **Cut-over**

GC.A3.1 It is anticipated that it will be appropriate for arrangements to be put in place for final transition to BETTA in the period up to and following (for a temporary period) **Go-Live**, for the purposes of:

- (a) managing the transition from operations under the **Grid Code** as in force immediately prior to **Go-Active** to operations under the **GB Grid Code** and the **BSC** as in force on and after **Go-Active**;
- (b) managing the transition from operations under the existing grid code applicable to **Scottish Users** as in force immediately prior to **Go-Active** to operations under the **GB Grid Code** as in force on and after **Go-Active**;
- (c) managing the transition of certain data from operations under the existing grid code applicable to **Scottish Users** before and after **Go-Active**; and
- (d) managing **GB Grid Code** systems, processes and procedures so that they operate effectively at and from **Go-Live**.

GC.A3.2

- (a) The provisions of **BC1** (excluding BC1.5.1, BC1.5.2 and BC1.5.3) shall apply to and be complied with by **Scottish Users** and by **NGET** in respect of such **Scottish Users** with effect from 11:00 hours on the day prior to **Go-Live**
- (b) Notwithstanding (a) above, **Scottish Users** may submit data for **Go-Live** 3 days in advance of **Go-Live** on the basis set out in the **Data Validation, Consistency and Defaulting Rules** which shall apply to **Scottish Users** and **NGET** in respect of such **Scottish Users** on that basis and for such purpose.
- (c) The **Operational Day** for the purposes of any submissions by **Scottish Users** prior to **Go-Live** under a) and b) above for the day of **Go-Live** shall be 00:00 hours on **Go Live** to 05:00 hours on the following day.
- (d) The provisions of **BC2** shall apply to and be complied with by **Scottish Users** and by **NGET** in respect of such **Scottish Users** with effect from 23:00 hours on the day prior to **Go-Live**.
- (e) The provisions of **OC7.4.8** shall apply to and be complied with by **Scottish Users** and by **NGET** in respect of such **Scottish Users** with effect from 11:00 hours on the day prior to **Go-Live**.
- (f) In order to facilitate cut-over, **Scottish Users** acknowledge and agree that **NGET** will exchange data submitted by such **Scottish Users** under **BC1** prior to Go-Live with the Scottish system operators to the extent necessary to enable the cut-over.
- (g) Except in the case of **Reactive Power**, **Scottish Users** should only provide **Ancillary Services** from **Go-Live** where they have been instructed to do so by **NGET**. In the case of **Reactive Power**, at **Go-Live** a **Scottish Users** Mvar output will be deemed to be the level instructed by **NGET** under **BC2**, following this **Scottish Users** should operate in accordance with **BC2.A.2.6** on the basis that Mvar output will be allowed to vary with system conditions.

< End of GC >



BC2	31	Appendix 4 added
	32	Annexure 1 added
General Conditions	7	GC.15.1 cut-off date amended to 31 March 2007. Typographical error corrected in GC.15.1(a)

Revision 13

Effective Date: 09 January 2006

<b>CODE</b>	<b>PAGE</b>	<b>CLAUSE</b>
General Conditions	8-16	Annex to General Conditions updated to reflect introduction of the Relevant Electrical Standards Document in England and Wales