

GENERAL CONDITIONS (GC)

CONTENTS

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

<u>Paragraph No/Title</u>	<u>Page Number</u>
GC.1 INTRODUCTION.....	2
GC.2 SCOPE.....	2
GC.3 UNFORESEEN CIRCUMSTANCES.....	2
GC.4 NOT USED.....	2
GC.5 COMMUNICATION BETWEEN NGET NGESO AND USERS.....	2
GC.6 MISCELLANEOUS.....	3
GC.7 OWNERSHIP OF PLANT AND/OR APPARATUS	3
GC.8 SYSTEM CONTROL.....	3
GC.9 EMERGENCY SITUATIONS	3
GC.10 MATTERS TO BE AGREED	43
GC.11 GOVERNANCE OF ELECTRICAL STANDARDS	44
GC.12 CONFIDENTIALITY	66
GC.13 RELEVANT TRANSMISSION LICENSEES.....	66
GC.14 BETTA TRANSITION ISSUES.....	66
GC.15 EMBEDDED EXEMPTABLE LARGE AND MEDIUM POWER STATIONS.....	66
GC.16 NOT USED.....	77
ANNEX TO THE GENERAL CONDITIONS	88
APPENDIX TO THE GENERAL CONDITIONS	1144

GC.1 INTRODUCTION

GC.1.1 The **General Conditions** contain provisions which are of general application to all provisions of the **Grid Code**. Their objective is to ensure, to the extent possible, that the various sections of the **Grid Code** work together and work in practice for the benefit of all **Users**.

GC.2 SCOPE

GC.2.1 The **General Conditions** apply to all **Users** (including, for the avoidance of doubt, **NGET-NGESO**).

GC.3 UNFORESEEN CIRCUMSTANCES

GC.3.1 If circumstances arise which the provisions of the **Grid Code** have not foreseen, **NGET-NGESO** shall, to the extent reasonably practicable in the circumstances, consult promptly and in good faith all affected **Users** in an effort to reach agreement as to what should be done. If agreement between **NGET-NGESO** and those **Users** as to what should be done cannot be reached in the time available, **NGET-NGESO** shall determine what is to be done. Wherever **NGET-NGESO** makes a determination, it shall do so having regard, wherever possible, to the views expressed by **Users** and, in any event, to what is reasonable in all the circumstances. Each **User** shall comply with all instructions given to it by **NGET-NGESO** following such a determination provided that the instructions are consistent with the then current technical parameters of the particular **User's System** registered under the **Grid Code**. **NGET-NGESO** shall promptly refer all such unforeseen circumstances and any such determination to the Panel for consideration in accordance with GC.4.2(e).

GC.4 NOT USED

GC.5 COMMUNICATION BETWEEN **NGET-NGESO** AND **USERS**

GC.5.1 Unless otherwise specified in the **Grid Code**, all instructions given by **NGET-NGESO** and communications (other than relating to the submission of data and notices) between **NGET-NGESO** and **Users** (other than **Generators**, **DC Converter Station** owners or **Suppliers**) shall take place between the **NGET-NGESO Control Engineer** based at the **Transmission-NGESO Control Centre** notified by **NGET-NGESO** to each **User** prior to connection, and the relevant **User Responsible Engineer/Operator**, who, in the case of a **Network Operator**, will be based at the **Control Centre** notified by the **Network Operator** to **NGET-NGESO** prior to connection.

Comment [A1]: Edited for clarity to align with refs elsewhere

GC.5.2 Unless otherwise specified in the **Grid Code** all instructions given by **NGET-NGESO** and communications (other than relating to the submission of data and notices) between **NGET-NGESO** and **Generators** and/or **DC Converter Station** owners and/or **Suppliers** shall take place between the **NGET-NGESO Control Engineer** based at the **Transmission-NGESO Control Centre** notified by **NGET-NGESO** to each **Generator** or **DC Converter Station** owner prior to connection, or to each **Supplier** prior to submission of **BM Unit Data**, and either the relevant **Generator's** or **DC Converter Station** owner's or **Supplier's Trading Point** (if it has established one) notified to **NGET-NGESO** or the **Control Point** of the **Supplier** or the **Generator's Power Station** or **DC Converter Station**, as specified in each relevant section of the **Grid Code**. In the absence of notification to the contrary, the **Control Point** of a **Generator's Power Station** will be deemed to be the **Power Station** at which the **Generating Units** or **Power Park Modules** are situated.

Comment [A2]: Edited for clarity to align with refs elsewhere

GC.5.3 Unless otherwise specified in the **Grid Code**, all instructions given by **NGET-NGESO** and communications (other than relating to the submission of data and notices) between **NGET-NGESO** and **Users** will be given by means of the **Control Telephony** referred to in CC.6.5.2.

- GC.5.4 If the **Transmission Control Centre** notified by [NGET NGESO](#) to each **User** prior to connection, or the **User Control Centre**, notified in the case of a **Network Operator** to [NGET NGESO](#) prior to connection, is moved to another location, whether due to an emergency or for any other reason, [NGET NGESO](#) shall notify the relevant **User** or the **User** shall notify [NGETNGESO](#), as the case may be, of the new location and any changes to the **Control Telephony** or **System Telephony** necessitated by such move, as soon as practicable following the move.
- GC.5.5 If any **Trading Point** notified to [NGET NGESO](#) by a **Generator** or **DC Converter Station** owner prior to connection, or by a **Supplier** prior to submission of **BM Unit Data**, is moved to another location or is shut down, the **Generator**, **DC Converter Station** owner or **Supplier** shall immediately notify [NGETNGESO](#).
- GC.5.6 The recording (by whatever means) of instructions or communications given by means of **Control Telephony** or **System Telephony** will be accepted by [NGET NGESO](#) and **Users** as evidence of those instructions or communications.
- GC.6 MISCELLANEOUS
- GC.6.1 Data and Notices
- GC.6.1.1 Data and notices to be submitted either to [NGET NGESO](#) or to **Users** under the **Grid Code** (other than data which is the subject of a specific requirement of the **Grid Code** as to the manner of its delivery) shall be delivered in writing either by hand or sent by first-class pre-paid post, or by facsimile transfer or by electronic mail to a specified address or addresses previously supplied by [NGET NGESO](#) or the **User** (as the case may be) for the purposes of submitting that data or those notices.
- GC.6.1.2 References in the **Grid Code** to "in writing" or "written" include typewriting, printing, lithography, and other modes of reproducing words in a legible and non-transitory form and in relation to submission of data and notices includes electronic communications.
- GC.6.1.3 Data delivered pursuant to paragraph GC.6.1.1, in the case of data being submitted to [NGETNGESO](#), shall be addressed to the [Transmission NGESO Control Centre](#) at the address notified by [NGET NGESO](#) to each **User** prior to connection, or to such other Department within [NGET NGESO](#) or address, as [NGET NGESO](#) may notify each **User** from time to time, and in the case of notices to be submitted to **Users**, shall be addressed to the chief executive of the addressee (or such other person as may be notified by the **User** in writing to [NGET NGESO](#) from time to time) at its address(es) notified by each **User** to [NGET NGESO](#) in writing from time to time for the submission of data and service of notices under the **Grid Code** (or failing which to the registered or principal office of the addressee).
- GC.6.1.4 All data items, where applicable, will be referenced to nominal voltage and **Frequency** unless otherwise stated.
- GC.7 OWNERSHIP OF PLANT AND/OR APPARATUS
- References in the **Grid Code** to **Plant** and/or **Apparatus** of a **User** include **Plant** and/or **Apparatus** used by a **User** under any agreement with a third party.
- GC.8 SYSTEM CONTROL
- Where a **User's System** (or part thereof) is, by agreement, under the control of [NGETNGESO](#), then for the purposes of communication and co-ordination in operational timescales [NGET NGESO](#) can (for those purposes only) treat that **User's System** (or part thereof) as part of the **National Electricity Transmission System**, but, as between [NGET NGESO](#) and **Users**, it shall remain to be treated as the **User's System** (or part thereof).
- GC.9 EMERGENCY SITUATIONS

Users should note that the provisions of the **Grid Code** may be suspended, in whole or in part, during a Security Period, as more particularly provided in the **Fuel Security Code**, or pursuant to any directions given and/or orders made by the **Secretary of State** under section 96 of the **Act** or under the Energy Act 1976.

GC.10 MATTERS TO BE AGREED

Save where expressly stated in the **Grid Code** to the contrary where any matter is left to **NGET NGESO** and **Users** to agree and there is a failure so to agree the matter shall not without the consent of both **NGET NGESO** and **Users** be referred to arbitration pursuant to the rules of the **Electricity Supply Industry Arbitration Association**.

GC.11 GOVERNANCE OF ELECTRICAL STANDARDS

GC.11.1 In relation to the **Electrical Standards** the following provisions shall apply.

- GC.11.2 (a) If a **User**, or in respect of (a) [to the annex, NGESO](#) or [or in respect of](#) (b) to the annex, **NGET**, or in respect of (c) or (d) to the annex, the **Relevant Scottish Transmission Licensee**, wishes to:-
- (i) raise a change to an **Electrical Standard**;
 - (ii) add a new standard to the list of **Electrical Standards**;
 - (iii) delete a standard from being an **Electrical Standard**,
- it shall activate the **Electrical Standards** procedure.
- (b) The **Electrical Standards** procedure is the notification to the secretary to the **Panel** of the wish to so change, add or delete an **Electrical Standard**. That notification must contain details of the proposal, including an explanation of why the proposal is being made.

GC.11.3 Ordinary Electrical Standards Procedure

- (a) Unless it is identified as an urgent **Electrical Standards** proposal (in which case GC.11.4 applies) or unless the notifier requests that it be tabled at the next **Panel** meeting, as soon as reasonably practicable following receipt of the notification, the **Panel** secretary shall forward the proposal, with a covering paper, to **Panel** members.
- (b) If no objections are raised within 20 Business Days of the date of the proposal, then it shall be deemed approved pursuant to the **Electrical Standards** procedure, and [NGET NGESO](#) shall make the change to the relevant **Electrical Standard** or the list of **Electrical Standards** contained in the Annex to this GC.11.
- (c) If there is an objection (or if the notifier had requested that it be tabled at the next **Panel** meeting rather than being dealt with in writing), then the proposal will be included in the agenda for the next following **Panel** meeting.
- (d) If there is broad consensus at the **Panel** meeting in favour of the proposal, [NGET NGESO](#) will make the change to the **Electrical Standard** or the list of **Electrical Standards** contained in the Annex to this GC.11.
- (e) If there is no such broad consensus, including where the Panel believes that further consultation is needed, [NGET NGESO](#) will establish a **Panel** working group if this was thought appropriate and in any event [NGET NGESO](#) shall undertake a consultation of **Authorised Electricity Operators** liable to be materially affected by the proposal.
- (f) Following such consultation, [NGET NGESO](#) will report back to **Panel** members, either in writing or at a **Panel** meeting. If there was broad consensus in the consultation, then [NGET NGESO](#) will make the change to the **Electrical Standard** or the list of **Electrical Standards** contained in the Annex to this GC.11.

- (g) Where following such consultation there is no broad consensus, the matter will be referred to the **Authority** who will decide whether the proposal should be implemented and will notify ~~NGET~~ **NGESO** of its decision. If the decision is to so implement the change, ~~NGET~~ **NGESO** will make the change to the **Electrical Standard** or the list of **Electrical Standards** contained in the Annex to this GC.11.
- (h) In all cases where a change is made to the list of **Electrical Standards**, ~~NGET~~ **NGESO** will publish and circulate a replacement page for the Annex to this GC covering that list and reflecting the change.

GC.11.4

Urgent Electrical Standards Procedure

- (a) If the notification is marked as an urgent **Electrical Standards** proposal, the **Panel** secretary will contact **Panel** members in writing to see whether a majority who are contactable agree that it is urgent and in that notification the secretary shall propose a timetable and procedure which shall be followed.
- (b) If such members do so agree, then the secretary will initiate the procedure accordingly, having first obtained the approval of the **Authority**.
- (c) If such members do not so agree, or if the **Authority** declines to approve the proposal being treated as an urgent one, the proposal will follow the ordinary **Electrical Standards** procedure as set out in GC.11.3 above.
- (d) If a proposal is implemented using the urgent **Electrical Standards** procedure, ~~NGET~~ **NGESO** will contact all **Panel** members after it is so implemented to check whether they wish to discuss further the implemented proposal to see whether an additional proposal should be considered to alter the implementation, such proposal following the ordinary **Electrical Standards** procedure.

GC.12	<u>CONFIDENTIALITY</u>
GC.12.1	Users should note that although the Grid Code contains in certain sections specific provisions which relate to confidentiality, the confidentiality provisions set out in the CUSC apply generally to information and other data supplied as a requirement of or otherwise under the Grid Code . To the extent required to facilitate the requirements of the EMR Documents , Users that are party to the Grid Code but are not party to the CUSC Framework Agreement agree that the confidentiality provisions of the CUSC are deemed to be imported into the Grid Code .
GC.12.2	NGET_NGESO has obligations under the STC to inform Relevant Transmission Licensees of certain data. NGET_NGESO may pass on User data to a Relevant Transmission Licensee where: <ul style="list-style-type: none"> (a) NGET_NGESO is required to do so under a provision of Schedule 3 of the STC; and/or (b) permitted in accordance with PC.3.4, PC.3.5 and OC2.3.2.
GC.12.3	NGET_NGESO has obligations under the EMR Documents to inform EMR Administrative Parties of certain data. NGET_NGESO may pass on User data to an EMR Administrative Party where NGET_NGESO is required to do so under an EMR Document .
GC.12.4	NGET_NGESO may use User data for the purpose of carrying out its EMR Functions .
GC.13	<u>RELEVANT TRANSMISSION LICENSEES</u>
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 1 ("OC8A") and 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 OC8A, OC8B, OC7.6, OC9.4 and OC9.5 shall exist between NGET_NGESO and the relevant User and in relation to any enforcement of those rights and obligations OC8A, OC8B, OC7.6, OC9.4 and OC9.5 shall be so read and construed. The Relevant Transmission Licensees shall enjoy no enforceable rights under OC8A, 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 OC8A, 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	<u>BETTA TRANSITION ISSUES</u>
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 GC Modification Proposals 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 at that time .
GC.15	<u>EMBEDDED EXEMPTABLE LARGE AND MEDIUM POWER STATIONS</u>
GC.15.1	This GC.15.1 shall have an effect until and including 31 st March 2007. <ul style="list-style-type: none"> (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 an **Embedded Exemptable Large Power Station**, or a **Network Operator** in respect of an **Embedded Exemptable Medium Power Station**, except where and to the extent that, in respect of that **Embedded Exemptable Large Power Station** or **Embedded Exemptable Medium Power Station**, [NGET NGESO](#) agrees or where the relevant **User** and [NGET NGESO](#) fail to agree, where and to the extent that the **Authority** consents.

GC.16

NOT USED

ANNEX TO THE GENERAL CONDITIONS

The **Electrical Standards** are as follows:

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

The Relevant Electrical Standards Document (RES)		Reference	Issue	Date
Parts 1 to 3			2.0	22 nd Jan 2015
Part 4 – Specific Requirements				
1	Back-Up Protection Grading across NGET's and other Network Operator Interfaces	PS(T)044(RES)	2.0	22 nd Jan 2015
2	Ratings and General Requirements for Plant, Equipment, Apparatus and Services for the National Grid System and Connections Points to it.	TS 1 (RES)	1.0 Draft	9 th Jan 2006
3	Substations	TS 2.01 (RES)	1.0 Draft	9 th Jan 2006
4	Switchgear	TS 2.02 (RES)	2.0	22 nd Jan 2015
5	Substation Auxiliary Supplies	TS 2.12 (RES)	2.0	22 nd Jan 2015
6	Ancillary Light Current Equipment	TS 2.19 (RES)	2.0	22 nd Jan 2015
7	Substation Interlocking Schemes	TS 3.01.01 (RES)	1.0 Draft	9 th Jan 2006
8	Earthing Requirements	TS 3.01.02 (RES)	2.0	22 nd Jan 2015
9	Circuit Breakers	TS 3.02.01 (RES)	2.0	22 nd Jan 2015
10	Disconnectors and Earthing Switches	TS 3.02.02 (RES)	2.0	22 nd Jan 2015
11	Current Transformers for Protection and General Use on the 132kV, 275kV and 400kV Systems	TS 3.02.04 (RES)	2.0	22 nd Jan 2015
12	Voltage Transformers	TS 3.02.05 (RES)	1.0 Draft	9 th Jan 2006
13	Bushings	TS 3.02.07 (RES)	2.0	22 nd Jan 2015
14	Solid Core Post Insulators for Substations	TS 3.02.09 (RES)	2.0	22 nd Jan 2015
15	Voltage Dividers	TS 3.02.12 (RES)	1.0 Draft	9 th Jan 2006
16	Gas Insulated Switchgear	TS 3.02.14 (RES)	2.0	22 nd Jan 2015
17	Environmental and Test Requirements for Electronic Equipment	TS 3.24.15 (RES)	2.0	22 nd Jan 2015
18	Busbar Protection	TS 3.24.34 (RES)	2.0	22 nd Jan 2015
19	Circuit Breaker Fail Protection	TS 3.24.39 (RES)	2.0	22 nd Jan 2015
20	System Monitor – Dynamic System Monitoring (DSM)	TS 3.24.70 (RES)	2.0	22 nd Jan 2015
21	Protection & Control for HVDC Systems	TS 3.24.90 (RES)	2.0	22 nd Jan 2015
22	Ancillary Services Business Monitoring	TS 3.24.95 (RES)	2.0	22 nd Jan 2015
23	Guidance for Conductor Jointing	TGN(E)187 (RES)	2.0	22 nd Jan 2015

	in Substations			
Additional Requirements				
Control Telephony Electrical Standard			1.0	17 th Sept 2007

(b) Electronic data communications facilities.

Communications Standards for Electronic Data Communication Facilities and Automatic Logging Devices	Issue 4	26 th Aug 2015
EDT Interface Specification	Issue 4	18 th Dec 2000
EDT Submitter Guidance Note	Issue 1	21 st Dec 2001
EDL Message Interface Specification	Issue 4	20 th Jun 2000
EDL Instruction Interface Valid Reason Codes	Issue 2	23 rd Jul 2001
MODIS Interface Specification	Version 4	26 th May 2015

(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

[PART A](#)

GC.A.1 [Introduction](#)

GC.A.1.1 This Appendix [Part A](#) 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 at that time**. For the purposes of this Appendix [Part A](#) 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**". [References in this Appendix Part A and any related definitions relate to the role of "system operator" as carried out by or in respect of under its Transmission Licence at that time and before the separation of NGESO from NGET and this Part A shall be construed accordingly.](#)

GC.A.1.2 The provisions of this Appendix [Part A](#) to the **General Conditions** shall only apply to **Users** (as defined in GC.A.1.4) and **NGET** after **Go-Live** for so long as is necessary for the transition requirements referred to in GC.A.1.1 and cut-over requirements (as further detailed in GC.A.3.1) to be undertaken.

GC.A.1.3 In this Appendix [Part A](#) 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 [Part A](#) 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.A.1.4 The provisions of GC.2.1 shall not apply in respect of this Appendix [Part A](#) to the **General Conditions**, and in this Appendix [Part A](#) 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 [Part A](#) to the **General Conditions** affect the rights and obligations of such **Users** under the other provisions of the **GB Grid Code**.

GC.A.1.5 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 [Part A](#) 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.A.1.6 This Appendix to the **General Conditions** comprises:

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

GC.A.1.7 Without prejudice to GC.A.1.8, the failure of any **User** or **NGET** to comply with this Appendix [Part A](#) to the **General Conditions** shall not invalidate or render ineffective any part of this Appendix [Part A](#) to the **General Conditions** or actions undertaken pursuant to this Appendix [Part A](#) to the **General Conditions**.

GC.A.1.8 A **User** or **NGET** shall not be in breach of any part of this Appendix [Part A](#) 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 [Part A](#) to the **General Conditions**.

GC.A.1.9 Without prejudice to any specific provision under this Appendix [Part A](#) 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 [Part A](#) to the **General Conditions**, where a **User** or **NGET** is required to take any step or measure under this Appendix [Part A](#) 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.A.1.10 **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.A.1.11, 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.A.1.11 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.A.3).
- (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.A.2).
- (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**.

	<ul style="list-style-type: none"> (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.A.1.12	NGET shall notify the Authority of any amendments that NGET identifies as needed pursuant to GC.A.1.10 and shall make such amendments as the Authority approves.
GC.A.2	<u>GB Grid Code Transition</u> <u>General Provisions</u>
GC.A.2.1	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.A.2, and in accordance with the other applicable provisions in this Appendix Part A to the General Conditions .
GC.A.2.2	<u>E&W Users:</u> <p>In furtherance of the licence provisions referred to in GC.A.1.5, 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 Part A to the General Conditions, including on the basis that:</p> <ul style="list-style-type: none"> (a) during the Transition Period the Scottish Users are only complying with the GB Grid Code in accordance with this Appendix Part A to the General Conditions; and (b) during the Transition Period the National Electricity Transmission System shall be limited to the Transmission System of NGET, and all rights and obligations of E&W Users in respect of the National Electricity 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.A.2.3	<u>Scottish Users:</u> <p>In furtherance of the licence provisions referred to in GC.A.1.5, 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 Part A to the General Conditions.</p>
GC.A.2.4	<u>NGET:</u> <p>In furtherance of the licence provisions referred to in GC.A.1.5, 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 Part A to the General Conditions, including on the basis that:</p> <ul style="list-style-type: none"> (a) during the Transition Period NGET's rights and obligations in relation to E&W Users in respect of the National Electricity 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 National Electricity Transmission System under the GB Grid Code shall only be as provided in this Appendix Part A to the General Conditions.
	<u>Specific Provisions</u>
GC.A.2.5	<u>Definitions:</u> <p>The provisions of the GB Grid Code Glossary and Definitions shall apply to and for the purposes of this Appendix Part A to the General Conditions except where provided to the contrary in this Appendix Part A to the General Conditions.</p>

GC.A.2.6 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 [Part A](#) to the **General Conditions**, including (without limitation) **Site Responsibility Schedules**, **Gas Zone Diagrams** and **OC9 Desynchronised Island Procedures**.

GC.A.2.7 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.A.1.2, be treated as though it had been provided to **NGET** under the enduring provisions of the **GB Grid Code**.

GC.A.2.8 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.A.1.2, be treated as though provided to **NGET** under the enduring provisions of the **GB Grid Code**.

GC.A.2.9 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.A.2.10 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.A.2.11 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 [Part A](#) to the **General Conditions**.

GC.A.2.12 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.A.3 Cut-over

GC.A.3.1 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.A.3.2
- (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** MVA_r 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 MVA_r output will be allowed to vary with system conditions.

PART B

GC.B.1 Introduction

GCB.1.1 This Appendix Part B to the **General Conditions** deals with issues arising out of the transition associated with the approval and implementation of **Grid Code Modification Proposal [GC [000]]** (Modifications relating to the transfer of the system operator functions from **NGET** to **NGESO**).

GC.B.1.2 This Appendix Part B sets out the arrangements such that:

B.1.2.1 the **Post GC [000] Grid Code** reflects the **Transfer of the System Operator Role**;

B.1.2.2 certain amendments are made to **Grid Code Related Agreements/Documents** to reflect the **Transfer of the System Operator Role**, and

B.1.2.3 each **User** co-operates in relation to the transition.

GC.B.1.3 The provisions of the **Post GC [000] Grid Code** shall be suspended until the **SO Transfer Date** except for this Appendix Part B (and any related definitions) (which will take immediate effect).

GC.B.1.4 In this Appendix Part B:

B.1.4.1 the term "**Grid Code Related Agreements/Documents**" shall mean each or any of the [];
¹²

B.1.4.2 the term "**GC [000]**" shall mean **Grid Code Modification Proposal [000]** (Amendments relating to the transfer of the system operator functions from **NGET** to **NGESO**);

B.1.4.3 the term "**Post GC [000] Grid Code**" means the version of the Grid Code as amended by **GC [000]**;

B.1.4.4 the term "**Pre Grid Code [000] Grid Code**" means the version of the Grid Code prior to amendment by **GC [000]**;

B.1.4.5 the term "**SOTransfer Date**" means the date on which **NGET's Transmission Licence** is transferred in part to **NGESO** to reflect the **Transfer of the System Operator Role**; and

B.1.4.6 the term "**Transfer of the System Operator Role**" means the the transfer, by means of the transfer in part of **NGET's Transmission Licence**, of the system operator role to **NGESO**.

GC.B.1.5 Without prejudice to any specific provision under this Appendix Part B as to the time within which or the manner in which any party should perform its obligations under this Appendix Part B, where a party is required to take any step or measure under this Appendix Part B, such requirement shall be construed as including any obligation to:

B.1.5.1 take such step or measure as quickly as reasonably practicable; and

B.1.5.2 do such associated or ancillary things as may be necessary to complete such step or measure as quickly as reasonably practicable.

GC.B.2 **Grid Code [000]: AMENDMENTS TO EXISTING AGREEMENTS AND DOCUMENTS**

¹ Are there things to deal with in this

- GC.B.2.1 Each **Grid Code Related Agreement/Document** in place or issued by a party in accordance with the terms of the Pre GC [000] Grid Code shall be read and construed, with effect from the **SO Transfer Date**, as if it (and any defined terms within it and the effect of it and those defined terms) recognise and reflect the **Transfer of the SO Functions** and as if any references in it to **NGET** in the context of its system operator role were references to **NGESO**.
- GC.B.2.2 In the context of any **Site Responsibility Schedule**³ in existence at the **SO Transfer Date** and which would require, following the **Transfer of the System Operator Role**, the signature of either **NGESO** instead of **NGET** or both the signature of **NGESO** and **NGET**, **NGESO** and **NGET** acknowledge and the other parties agree that the signature of **NGET** on such **Site Responsibility Schedule** shall be considered to be the signature of **NGESO** and/or **NGET** as appropriate.
- GC.B.3 **Grid Code [000]: TRANSITION**
- GC.B.3.1 Each party shall take such steps and do such things [in relation to the Grid Code and the **Grid Code Related Agreements/Documentation** as are within its power and as are necessary or appropriate in order to give full and timely effect to the **Transfer of the SO Role**.
- GC. B.3.2 Each party agrees that all things done by **NGET** pursuant to the Grid Code in its system operator role prior to the **SO Transfer Date** shall be deemed to have been done by **NGESO** and all things received by **NGET** pursuant to the Grid Code in its system operator role (including but not limited to [notices⁴]) shall be deemed to have been received by **NGESO** and all things issued by **NGET** (including not not limited to [notices])⁵ shall be deemed to have been issued by **NGESO**.
- GC.B.3.3 In particular:
- _____ [to set out any additional specific matters to be addressed as part of transition]

< END OF GENERAL CONDITIONS >

³ To be confirmed if there is anything else of a similar nature to be included.

⁴ To consider if want to in detail

⁵ To consider if want to detail

