GENERAL CONDITIONS
(GC)

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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, **The Company**).

GC.3 UNFORESEEN CIRCUMSTANCES

GC.3.1 If circumstances arise which the provisions of the Grid Code have not foreseen, **The Company** 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 **The Company** and those **Users** as to what should be done cannot be reached in the time available, **The Company** shall determine what is to be done. Wherever **The Company** 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 **The Company** 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. **The Company** 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 THE COMPANY AND USERS

GC.5.1 Unless otherwise specified in the Grid Code, all instructions given by **The Company** and communications (other than relating to the submission of data and notices) between **The Company** and **Users** (other than **Generators**, **DC Converter Station** owners or **Suppliers**) shall take place between the **The Company Control Engineer** based at the **Transmission Control Centre** notified by **The Company** 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 **The Company** prior to connection.

GC.5.2 Unless otherwise specified in the Grid Code, all instructions given by **The Company** and communications (other than relating to the submission of data and notices) between **The Company** and **Generators** and/or **DC Converter Station** owners and/or **Suppliers**, shall take place between the **The Company Control Engineer** based at the **Transmission Control Centre** notified by **The Company** 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 **The Company** 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.

GC.5.3 Unless otherwise specified in the Grid Code, all instructions given by **The Company** and communications (other than relating to the submission of data and notices) between **The Company** 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 **The Company** to each **User** prior to connection, or the **User Control Centre**, notified in the case of a **Network Operator** to **The Company** prior to connection, is moved to another location, whether due to an emergency or for any other reason, **The Company** shall notify the relevant **User** or the **User** shall notify **The Company**, 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 **The Company** 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 **The Company**.

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 **The Company** 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 **The Company** 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 **The Company** 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 **The Company**, shall be addressed to the **Transmission Control Centre** at the address notified by **The Company** to each **User** prior to connection, or to such other Department within **The Company** or address, as **The Company** 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 **The Company** from time to time) at its address(es) notified by each **User** to **The Company** 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 **The Company**, then for the purposes of communication and co-ordination in operational timescales **The Company** can (for those purposes only) treat that **User's System** (or part thereof) as part of the **National Electricity Transmission System**, but, as between **The Company** 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 **The Company** and **Users** to agree and there is a failure so to agree the matter shall not without the consent of both **The Company** 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 the **Electrical Standards** in (b) to the annex, **The Company**, or in respect of the **Electrical Standards** in (a) to the annex, or in respect of the **Electrical Standards** in (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 **The Company** 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, **The Company** 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, **The Company** will establish a **Panel** working group if this was thought appropriate and in any event **The Company** shall undertake a consultation of **Authorised Electricity Operators** liable to be materially affected by the proposal.

(f) Following such consultation, **The Company** will report back to **Panel Members**, either in writing or at a **Panel** meeting. If there was broad consensus in the consultation, then **The Company** 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 **The Company** of its decision. If the decision is to so implement the change, **The Company** 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**, **The Company** 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, **The Company** 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 CONFIDENTIALITY

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 **The Company** has obligations under the **STC** to inform **Relevant Transmission Licensees** of certain data. **The Company** may pass on **User** data to a **Relevant Transmission Licensee** where:

(a) **The Company** 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 **The Company** has obligations under the **EMR Documents** to inform **EMR Administrative Parties** of certain data. **The Company** may pass on **User** data to an **EMR Administrative Party** where **The Company** is required to do so under an **EMR Document**.

GC.12.4 **The Company** may use **User** data for the purpose of carrying out its **EMR Functions**.

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 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 **The Company** 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 BETTA TRANSITION ISSUES

GC.14.1 The provisions of Part A 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 **The Company'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 31st 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 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**, **The Company** agrees or where the relevant **User** and **The Company** fail to agree, where and to the extent that the **Authority** consents.

GC.16 ~~NOT USED~~ SYSTEM DEFENCE PLAN, SYSTEM RESTORATION AND TEST PLAN

GC.16.1 In relation to the **System Defence Plan**, **System Restoration Plan** and **Test Plan** the following provisions shall apply.

GC.16.2 If a **User** or **The Company**, wishes to raise a change to the **System Defence Plan**, **System Restoration Plan** or **Test Plan**, they shall notify the **Panel Secretary** of the proposed change to the **System Defence Plan**, **System Restoration Plan** or **Test Plan**.

In respect of the **System Defence Plan** the proposal shall not change the characteristics of the service to be provided or the conditions for aggregation. That notification must contain details of the proposal, including an explanation of why the proposal is being made.

In respect of the **System Restoration Plan**, the proposal shall not change the characteristics of the service to be provided or conditions for aggregation or the target geographical distribution of power sources with **Black Start** and island operation capabilities. That notification must contain details of the proposal, including an explanation of why the proposal is being made.

In respect of the **Test Plan**, the proposal shall include an explanation of why the proposal is being made.

Any such change proposals shall take into account the legitimate expectations, where necessary, of **User's**, **Defence Service Providers** or **Restoration Service Providers** based on the initially specified or agreed requirements or methodologies.

GC.16.3 Ordinary Procedure

(a) Unless it is identified as an urgent proposal (in which case GC.16.4 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** and a consultation of not less than one month shall be undertaken

(b) If no objections are raised following the consultation, then it shall be deemed approved, and **The Company** shall make the change to the **System Defence Plan** or the **System Restoration Plan** or the **Test Plan**, and the **Panel Secretary** shall as soon as reasonably possible, publish it on **The Company's Website** and inform **Users** and other persons who may be interested.

(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 to change the **System Defence Plan** or **System Restoration Plan** or **Test Plan** will be included on the agenda for the next **Panel** meeting.

(d) If there is a majority consensus at the **Panel** meeting in favour of the proposal, **The Company** will make the change to the **System Defence Plan** or the **System Restoration Plan** or **Test Plan** as soon as reasonably possible and the **Panel Secretary** shall publish it on **The Company's Website** and inform **Users** and other persons who may be interested.

(e) If there is no such majority consensus, **The Company** will establish a **Panel** working group if this was thought appropriate by a majority of the **Panel** or the **Authority**. If a **Panel** working group is required then the procedure under GR15 shall apply unless otherwise directed by **The Authority**.

GC.16.4 Urgent Procedure

(a) If the notification to change the **System Defence Plan** or **System Restoration Plan** or **Test Plan** is marked as an urgent 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 case the **Panel Secretary** shall propose a timetable and procedure which shall be followed. The **Panel Secretary** shall as soon as reasonably possible, publish the proposal on **The Company's Website** and inform **User's** and other persons who may be interested.

(b) If such **Panel Members** do so agree, then the **Panel Secretary** will initiate the procedure accordingly, having first obtained the approval of the **Authority** that urgency is warranted in accordance with the criteria set out in the **Authority's** published guidance.

(c) If such **Panel 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 procedure as set out in GC.16.3.

(d) If a proposal to change the **System Defence Plan** or **System Restoration Plan** is developed using the urgent procedure, **The Company** will contact all **Panel Members** after it is agreed as being urgent to check whether they wish to discuss further the proposal to see whether an additional proposal should be considered to alter the implementation, such proposal following the ordinary procedure as provided for in GC.16.3 or, if agreed by **The Authority**, urgency as provided for in GC16.4.

ANNEX TO THE GENERAL CONDITIONS

The **Electrical Standards** are as follows:

(a) **Electrical Standards** applicable for **NGET's Transmission System**

The Relevant Electrical Standards Document (RES)		Reference	Issue	Date
Parts 1 to 3			3.0	March 2018
Part 4 – Specific Requirements				
1	Back-Up Protection Grading across NGET's and other Network Operator Interfaces	PS(T)044(RES)	1.0	September 2014
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	February 2018
3	Substations	TS 2.01 (RES)	1.0	February 2018
4	Switchgear	TS 2.02 (RES)	1.0	October 2014
5	Substation Auxiliary Supplies	TS 2.12 (RES)	1.0	October 2014
6	Ancillary Light Current Equipment	TS 2.19 (RES)	1.0	October 2014
7	Substation Interlocking Schemes	TS 3.01.01 (RES)	1.0	February 2018
8	Earthing Requirements	TS 3.01.02 (RES)	1.0	October 2014
9	Circuit Breakers	TS 3.02.01 (RES)	2.0	February 2018
10	Disconnectors and Earthing Switches	TS 3.02.02 (RES)	1.0	October 2014
11	Current Transformers for Protection and General Use on the 132kV, 275kV and 400kV Systems	TS 3.02.04 (RES)	1.0	October 2014
12	Voltage Transformers	TS 3.02.05 (RES)	1.0	September 2016
13	Bushings	TS 3.02.07 (RES)	1.0	October 2014
14	Solid Core Post Insulators for Substations	TS 3.02.09 (RES)	1.0	October 2014
15	Voltage Dividers	TS 3.02.12 (RES)	1.0	September 2016
16	Gas Insulated Switchgear	TS 3.02.14 (RES)	1.0	October 2014
17	Environmental and Test Requirements for Electronic Equipment	TS 3.24.15 (RES)	1.0	October 2014
18	Busbar Protection	TS 3.24.34 (RES)	1.0	October 2014
19	Circuit Breaker Fail Protection	TS 3.24.39 (RES)	1.0	October 2014
20	Synchronising And Voltage Selection	TS.3.24.60 (RES)	2.0	January 2018
21	System Monitor – Dynamic System Monitoring (DSM)	TS 3.24.70 (RES)	2.0	February 2018
22	System Monitoring – Fault Recording	TS 3.24.71 (RES)	1.0	February 2018
23	Protection & Control for HVDC Systems	TS 3.24.90 (RES)	1.0	October 2014
24	Ancillary Services Business	TS 3.24.95 (RES)	2.0	February 2018

	Monitoring			
25	Operational Data Transmission	TS 3.24.100 (RES)	1.0	February 2018
26	Guidance for Working in Proximity to Live Conductors	TGN(E)186 (RES)	1.0	October 2018
Additional Requirements				
~~Control Telephony Electrical Standard~~			~~1.0~~	~~17th Sept 2007~~

(b) Electronic data communications facilities and other requirements applicable in all **Transmission Areas**.

Communications Standards for Electronic Data Communication Facilities and Automatic Logging Devices	Issue ~~4~~5	~~26th Aug 2015~~
EDT Interface Specification	Issue 4	18th Dec 2000
EDT Submitter Guidance Note	Issue 1	21st Dec 2001
EDL Message Interface Specification	Issue 4	20th Jun 2000
EDL Instruction Interface Valid Reason Codes	Issue 5	20th Jan 2022
MODIS Interface Specification	Version 4	26th May 2015
Control Telephony Electrical Standard	2.0	TBA
Distribution Restoration Zone Control System High Level Functional Requirements	1.0	TBA

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

RES-01-100	Relevant Electrical Standards for Plant, Equipment and Apparatus for connection to the SP Transmission System	Issue 1

(d) Scottish **Electrical Standards** applicable 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 **The Company's Transmission Licence** at that time. 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". The process and amendments referred to in this Appendix Part A took place before the separation of **The Company** from **NGET** and the introduction into the **Grid Code** of **Offshore Transmission Licencees** 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 **The Company** 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 **SPT** or **SHETL** 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 **SPT** or **SHETL** 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 AppendixPart A to the **General Conditions** deals;

(h) the term "**Interim GB SYS**" means the document of that name referred to in Condition C11 of **The Company'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 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**;

(f) **Externally Interconnected System Operators**; and

(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 **The Company's Transmission Licence**. **The Company** 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 **The Company** and **Users** during the **Transition Period**.

GC.A.1.6 This Appendix Part A 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 **The Company** 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 to the **General Conditions**.

GC.A.1.8 A **User** or **The Company** 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 **The Company** 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 **The Company** should perform its obligations under this Appendix to the **General Conditions**, where a **User** or **The Company** 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 **The Company** 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 **The Company'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, **The Company** 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**~~**System Restoration** 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.A.1.12 **The Company** shall notify the **Authority** of any amendments that **The Company** identifies as needed pursuant to GC.A.1.10 and shall make such amendments as the **Authority** approves.

GC.A.2 GB Grid Code Transition

General Provisions

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 E&W Users:

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 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 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 Scottish Users:

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**.

GC.A.2.4 THE COMPANY:

In furtherance of the licence provisions referred to in GC.A.1.5, **The Company** 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:

(a) during the **Transition Period The Company'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 The Company'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**.

Specific Provisions

GC.A.2.5 Definitions:

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**.

GC.A.2.6 Identification of Documents:

In the period beginning at **Go-Active**, **Scottish Users** will work with **The Company** to identify and agree with **The Company** 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 **SPT** or **SHETL** to provide, **The Company**, as soon as reasonably practicable upon request, with all data which **The Company** 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 **The Company** under CC.5.2. **The Company** is also entitled to receive data on **Scottish Users** over **SPT** or **SHETL**'**s** SCADA links to the extent that **The Company** 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 **The Company** under the enduring provisions of the GB Grid Code.

GC.A.2.8 Verification of Data etc:

The Company 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 **SPT** or **SHETL** under an existing Grid Code and passed on to **The Company** 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 **The Company** 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 **The Company** by the **Authority** prior to **Go-Active** as **Panel Members** (and **Alternate Members**, if applicable) are agreed by **Users** (including **Scottish Users**) and **The Company** 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 **The Company'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.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 **The Company** 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 **The Company** 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 **The Company** 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 **The Company** 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 **The Company** 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 **The Company**. In the case of **Reactive Power**, at **Go-Live** a **Scottish User's** MVAr output will be deemed to be the level instructed by **The Company** 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.

PART B

GC.B.1 Introduction

GC.B.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** GC0112 (Modifications relating to the separation of **System** operations and **Transmission Owner** roles).

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

B.1.2.1 the **Post GC0112 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**,

B.1.2.2 arrangements can be put in place prior to the **SO Transfer Date** to enable the transition of the operations with **NGET** under the **Pre GC0112 Grid Code** to operations with **The Company** under the **Post GC0112 Grid Code**; and

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

GC.B.1.3 The provisions of the **Post GC0112 Grid Code** shall be suspended until the **SO Transfer Date** except for this Appendix Part B (and any related definitions within it) which will take immediate effect on the **Implementation Date** for **GC0112**.

GC.B.1.4 In this (and solely for the purposes of this) Appendix Part B the following terms have the following meaning:

B.1.4.1 the term "**Grid Code Related Agreements/Documents**" shall mean each or any of those agreements or documents entered into under or envisaged by the **Pre GC0112 Grid Code** prior to the **SO Transfer Date** which continue on and after the **SO Transfer Date**;

B.1.4.2 the term "**GC0112**" shall mean **Grid Code Modification Proposal 0112** (Amendments relating to the transfer of the system operator functions from **NGET** to **NGESO**);

B.1.4.3 the term "**NGET**" shall mean National Grid Electricity Transmission plc;

B.1.4.4 the term "**NGESO**" shall mean National Grid Electricity System Operator Limited;

B.1.4.5 the term "**Post GC0112 Grid Code**" means the version of the Grid Code as amended by **GC0112**;

B.1.4.6 the term "**Pre GC Grid Code**" means the version of the Grid Code prior to amendment by **GC0112**;

B.1.4.7 the term "**SO Transfer 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.1.4.8 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 **GC0112:** <u>Amendments to Existing Agreements and Documents</u>

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 GC0112 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/The Company** as appropriate.

GC.B.2.2 In the context of any **Site Responsibility Schedule** 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 **Users** 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 **GC0112:** 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 reasonably necessary or appropriate in order to give full and timely effect to the **Transfer of the SO Role** and the transition of the operations, systems, process and procedures and the rights and obligations relating to the **Transfer of the SO Role** under the Grid Code from **NGET** to **NGESO**.

GC. B.3.2 Each party agrees that (a) 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 (b) all things received by **NGET** pursuant to the Grid Code in its system operator role (including but not limited to notices) shall be deemed to have been received by **NGESO** and (c) all things issued by **NGET** (including but not limited to notices) shall be deemed to have been issued by **NGESO**.

GC.B.3.3 In particular:

B.1.5.1 **Users** acknowledge and agree that **NGET** can exchange information and data submitted by **Users** under the Grid Code prior to the **SO Transfer Date** with **NGESO** to the extent necessary to enable the transition of the system operator role from **NGET** to **NGESO**;

B.1.5.2 **NGET** will identify and publish as soon as practicable and in any event prior to 31 January 2019 any specific requirements (such requirements being reasonable and recognising the timescale) on **Users** necessary to manage the transition of the operations, systems, process and procedures and the rights and obligations relating to the **Transfer of the SO Role** under the Grid Code from **NGET** to **NGESO**;

B.1.5.2 **Users** acknowledge that under the **Pre GC0112 Grid Code NGET** received certain data and information from **Users** which is no longer "live" data or information ("**Legacy Data**") that if it was new data and information of that type would not be available to **NGET** as a **Relevant Transmisison Licence** from the **SO Transfer Date** consent to the retention of such **Legacy Data** by **NGET** where embedded in **NGET** systems or models.

< END OF GENERAL CONDITIONS >