

STCP to STC Mapping

Summary Note for STC Working Group on Offshore Transmission

28 January 2008

1. Introduction

This note summarises the results of National Grid's initial review of the relationship between the System Operator - Transmission Owner Code (STC) and the forty individual Code Procedures (STCPs). A complete STCP to STC mapping is provided in the appendices to this document.

The relationship between STC schedules and the code itself is also discussed briefly.

The review does not consider the applicability of STCPs to the offshore electricity transmission arrangements nor the effectiveness to-date of existing procedures. These issues could be considered in further work.

2. Section by Section Mapping

Section A: Applicability of Sections and Code Structure

No STCPs are linked with Section A.

Section B: Governance

No STCPs are linked with Section B.

Section C: Transmission Services and Operations

The bulk of the STCPs 01-01 through to 11-3 contain procedural information required to implement the provisions of Section C.

STCP01-1 sets out processes by which the TOs configure the transmission system in Scotland on NGET's directions, and how equipment is taken out of and returned to operational service. STCP02-1 sets out how NGET and TOs liaise in response to different categories of equipment alarms and events. Indicative processes are outlined for both SPT and SHETL.

STCP03-1 sets out how parties liaise with each other in response to transmission system events, from occurrence through to joint investigations if necessary.

STCPs 04-1, 04-2, 04-3 and 04-5 all deal with the management of real-time communication facilities.

The key processes detailing the exchange of operational information required to set capability limits is managed under STCP04-4.

STCPs 06-1 to 06-4 cover contingency arrangements, with 06-01 and 06-02 specifically covering Black Start and Desynchronised Islands.

STCPs 08-1 to 4 describe various testing procedures which can have a significant operational impact or present an operational risk but do not necessarily require primary transmission equipment to be out of service. These

STCPs ensure that relevant tests are managed under the outage planning process.

The STCPs 11-1 to 11-3 set out transmission equipment outage planning processes, including the data exchange mechanism and TO outage costing.

The STCPs 19-3 and 19-4 covering user compliance testing and equipment commissioning as provided for in Part 3 of section C.

STCP	Parent Clauses	Comment
STCP 01-1 Operational Switching	Part ONE: 2.1.2, 4.5, 4.6, 5.1, 5.4 Part TWO: 7	Processes for configuring the transmission system and managing alarms and events
STCP 02-1 Alarm and Event Management	Part ONE: 2.1.2, 2.1.3, 4.7, 4.8, 4.9 6.3, 6.4 Part THREE: 4.1	
STCP 03-1 Post Event Analysis and Reporting	Part THREE: 4.1, 4.2	Further detail on post event analysis and reporting
STCP 04-1 Real Time Data Change Management	Part ONE: 2.1.3	Processes to deliver the requirement for real-time information.
STCP 04-2 Real Time Datalink Management	Part ONE: 2.1.3	
STCP 04-3 Real Time Data Provision	Part ONE: 2.1.3	
STCP 04-4 Provision of Asset Operational Information	Part ONE, 2.1.3, 4.1, 4.3, 4.4, 4.5, 4.6	The interface process for ongoing management of operational capability limits
STCP 04-5 Operational Telephony	Part ONE: 2.1.2, 2.1.3	Specific processes to manage two way voice communication facilities
STCP 06-1 Black Start	Part THREE: 5	Transmission incident contingency procedures
STCP 06-2 De-synchronised Island Management	Part THREE: 5	
STCP 06-3 System Incident Management	Part ONE: 2.1.2, 2.1.3	
STCP 06-4 Contingency Arrangements	Part ONE: 2.1.3, 2.1.3	
STCP 08-1 Protection Testing	Part TWO: 2	Transmission System tests are linked into the outage planning process by these STCPs
STCP 08-2 Circuit Live Trip and DAR Tests	Part TWO: 2	
STCP 08-3 Operational Tests and System Tests	Part TWO: 2, PART THREE: 2.2	
STCP 08-4 User Tests	Part TWO: 2, PART THREE: 2.2	
STCP 10-1 Asset Nomenclature	Part ONE: 2.1.2	Linked to the need to be able to configure and co-ordinate
STCP 11-1 Outage Planning	Part ONE: 2.2, Part TWO	Give effect to the outage planning provisions
STCP 11-2 Outage Data Exchange	Part TWO: 2	
STCP 11-3 TO Outage Change Costing	Part TWO: 5.9.5	
STCP 19-3 Operational Notification & Compliance Testing	Part THREE: 2.2	Processes for bringing new equipment into operation
STCP 19-4 Commissioning and Decommissioning	Part THREE: 2.2	

Section D: Planning Co-ordination

The STCPs 16-1 through to 22-1 specify processes required to meet the provisions of Section D.

STCP 16-1 on Investment Planning covers most of the processes relating to Section D Part One, 'Transmission Planning' and sets out the terms of reference for the Joint Planning Committee. STCPs 18-1 and 18-2 relate to section D Part Two, 'Construction'. STCP 18-3 on TEC Changes and STCP18-4 on Statement of Works relate back to Part Three and Part Four of Section D respectively.

The STCPs 19-2 to 19-4 cover the process required to deliver TO construction projects (commissioning, scheme closure etc) as per section D Part Two, whilst STCP 19-6 relates to a TO's right to charge a connection application fee.

STCP 20-1 covers the processes required to deliver a Seven Year Statement as outlined in Section D, Part One.

The management of Transmission System models and planning assumptions, which underpin the analysis behind many of the construction and investment planning processes, is specified in STCP 22-1.

STCP	Parent Clause	Comment
STCP 16-1 Investment Planning	Part ONE: 2.1, 2.2, 2.2.2, 2.2.3, 2.3, 2.4, 2.5, 3	Processes for Investment Planning
STCP 17-1 Feasibility Study	Part TWO, 7	Further detail on feasibility study provision
STCP 18-1 Connection and Modification Application	Part TWO 2, 4, 5, 6, 7	Information exchange processes in response to user applications
STCP 18-2 Use of System Application	Part TWO 2, 4, 5, 6, 7	
STCP 18-3 TEC Changes	Part THREE	
STCP 18-4 Request for a Statement of Works	Part FOUR	
STCP 18-6 Variation to Agreements	Part TWO: 6.3	Process to vary NGET and TO contracts given a material change in requirements
STCP 19-2 Construction Process and Scheme Closure	Part TWO: 8.2, 10, 14	Detailed processes to manage TO construction processes
STCP 19-3 Operational Notification & Compliance Testing	Part TWO: 11, 12.1, 12.2	Processes for bringing new equipment into operational service
STCP 19-4 Commissioning and Decommissioning	Part TWO: 8.2	
STCP 19-6 Application Fee	Part TWO: 2.6	Processes for setting TO application fees
STCP 20-1 Seven Year Statement	Part ONE: 4	Process for production of SYS
STCP 22-1 Production of Models for GB System Planning	Part ONE: 2.2.1, 2.2.8, 3	Process for exchange of information relating to transmission system modelling

Section E: Payments and Billing

The STCPs 13-1 and 14-1 to 14-3 set out the generic invoicing and payment process under the STC and the processes required for NGET to meet its Transmission charging obligations as they relate to assets in Scotland.

STCP	Parent Clause	Comment
STCP 13-1 Invoicing and Payment	2,3	Processes for exchange of data to manage charges to Transmission users
STCP 14-1 Data Exchange for Annual Charging Setting	2	
STCP 14-2 Data Requirements for Charging Consultations	2	
STCP 14-3 Customer Charging Enquiries	2	

Section F: Communications and Data

No STCPs are linked with Section F.

Section G: General Provisions

The Safety and Environment provisions of section G are reflected in respect of the TO to TO and TO to User interface in STCP 09-1 'Safety Co-ordination between parties'. STCP 09-2 'Public and Site Safety' sets out the processes by which a TO may take equipment out of service without direction from NGET in the event of a threat to public or site safety.

STCP	Parent Clause	Comment
STCP 09-1 Safety Co-ordination between Parties	2.1.2	Process to manage safety precautions across TO and User boundaries
STCP 09-2 Public and Site Safety	2.2	Processes to manage public and site safety issues

Section H: Dispute Resolution

No STCPs are linked with Section H.

Section I: Transition

No STCPs are linked with Section I.

Section J: Interpretation and Definitions

No STCPs are linked with Section J.

STCP 12-1 Data Exchange Mechanism

SCTP 12-1 documents all the formal data exchanges between STC Parties with cross reference to the individual STCPs in which the data exchanges are specified. STCP12-1 does not set out a requirement for any data exchange which is not specified in one of the other STCPs and states explicitly of the other STCPS that “in the event of any inconsistency between this document and other STCPs, the provisions of those STCPs shall prevail”.

3. STC Schedules

The table below lists the STC schedules and the STC clauses to which they relate.

Schedule	Parent Clause
Schedule One: Code Accession Agreement	Section B Governance: 3.1
Schedule Two: List of Code Procedures	N/A
Schedule Three: Information and Data Exchange Specifications	Section F Communications and Data: 3.3
Schedule Four: Criteria for Assessing Those Transmission Systems Affected by a Construction project	Section D Planning Co-ordination: Part TWO, 2.2.2: Part FOUR 1.1.2
Schedule Five: NGET Connection Applications	Section D Planning Co-ordination: Part TWO, 2.1.2
Schedule Six: NGET Modification Applications	Section D Planning Co-ordination: Part TWO, 2.1.2
Schedule Seven: System Construction Applications	Section D Planning Co-ordination: Part TWO, 2.1.2
Schedule Eight: TO Construction Offers	Section D Planning Co-ordination: Part TWO, 2
Schedule Nine: TO Construction Terms	Section D Planning Co-ordination: Part TWO, 4
Schedule Ten: Charges	Section E Billing and Payment:: 2
Schedule Eleven: NGET TEC Exchange Rate Application	Section D Planning Co-ordination: Part THREE,2
Schedule Twelve TO TEC Exchange Rates	Section D Planning Co-ordination: Part THREE, 3
Schedule Thirteen: NGET Request for Statements of Works	Section D Planning Co-ordination: Part FOUR,1
Schedule Fourteen: Transmission Planning Data	Schedule Three: 2.4.3

APPENDIX A

LIST OF CODE PROCEDURES

Number	Title	Issue	Effective Date
STCP 01-1	Operational Switching	Issue 003	25th October 2005
STCP 02-1	Alarm and Event Management	Issue 003	25th October 2005
STCP 03-1	Post Event Analysis and Reporting	Issue 003	25th October 2005
STCP 04-1	Real Time Data Change Management	Issue 003	25th October 2005
STCP 04-2	Real Time Datalink Management	Issue 003	25th October 2005
STCP 04-3	Real Time Data Provision	Issue 003	25th October 2005
STCP 04-4	Provision of Asset Operational Information	Issue 003	25th October 2005
STCP 04-5	Operational Telephony	Issue 003	25th October 2005
STCP 06-1	Black Start	Issue 003	5th October 2005
STCP 06-2	De-synchronised Island Management	Issue 003	25th October 2005
STCP 06-3	System Incident Management	Issue 003	25th October 2005
STCP 06-4	Contingency Arrangements	Issue 003	25th October 2005
STCP 08-1	Protection Testing	Issue 003	26th October 2005
STCP 08-2	Circuit Live Trip and DAR Tests	Issue 003	25th October 2005
STCP 08-3	Operational Tests and System Tests	Issue 003	25th October 2005
STCP 08-4	User Tests	Issue 003	25th October 2005
STCP 09-1	Safety Co-ordination between Parties	Issue 003	25th October 2005
STCP 09-2	Public and Site Safety	Issue 004	13th January 2006
STCP 10-1	Asset Nomenclature	Issue 003	25th October 2005
STCP 11-1	Outage Planning	Issue 003	5th October 2005
STCP 11-2	Outage Data Exchange	Issue 003	5th October 2005
STCP 11-3	TO Outage Change Costing	Issue 003	5th October 2005
STCP 12-1	Data Exchange Mechanism	Issue 003	31st January 2006
STCP 13-1	Invoicing and Payment	Issue 004	31st January 2006
STCP 14-1	Data Exchange for Annual Charging Setting	Issue 004	20th December 2006
STCP 14-2	Data Requirements for Charging Consultations	Issue 002	25th October 2005
STCP 14-3	Customer Charging Enquiries	Issue 002	25th October 2005
STCP 16-1	Investment Planning	Issue 002	25th October 2005
STCP 17-1	Feasibility Study	Issue 002	25th October 2005
STCP 18-1	Connection and Modification Application	Issue 002	25th October 2005
STCP 18-2	Use of System Application	Issue 002	25th October 2005
STCP 18-3	TEC Changes	Issue 005	31st January 2006
STCP 18-4	Request for a Statement of Works	Issue 001	23rd March 2007
STCP 18-6	Variation to Agreements	Issue 003	25th October 2005
STCP 19-2	Construction Process and Scheme Closure	Issue 003	25th October 2005
STCP 19-3	Operational Notification & Compliance Testing	Issue 003	18th May 2006
STCP 19-4	Commissioning and Decommissioning	Issue 004	31st January 2006
STCP 19-6	Application Fee	Issue 003	25th October 2005
STCP 20-1	Seven Year Statement	Issue 002	25th November 2005
STCP 22-1	Production of Models for GB System Planning	Issue 001	30th September 2005

Section C

		01-1	02-1	03-1	04-1	04-2	04-3	04-4	04-5	06-1	06-2	06-3	06-4	08-1	08-2	08-3	08-4	09-1	09-2	10-1	11-1	11-2	11-3	12-1	13-1	14-1	14-2	14-3	16-1	17-1	18-1	18-2	18-3	18-4	18-6	19-2	19-3	19-4	19-6	20-1	22-1	
		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Data Link Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Change Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting	Data Requirements for Charging	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process & Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning	
PART ONE: PROVISION OF TRANSMISSION SERVICES																																										
1	INTRODUCTION																																									
1.1	This Section C, Part One deals with the provision of Transmission Services by Transmission Owners to NGET and the obligations of NGET in relation to its operation of the GB Transmission System, and sets out:																																									
1.1.1	the process for each Transmission Owner to specify the technical limits that normally apply to its Transmission Services in a Services Capability Specification;																																									
1.1.2	the process for developing and implementing Services Restoration Proposals to restore Transmission Services in the event of any unplanned reduction in the technical limits actually applicable to the provision of Transmission Services from time to time; and																																									
1.1.3	provisions dealing with the co-ordination and direction by NGET of the flow of electricity onto and over the GB Transmission System in accordance with technical limits and Licence Standards.																																									
2	TRANSMISSION SERVICES																																									
2.1	In accordance with the provisions of this Code, each Transmission Owner shall provide services to NGET consisting of:																																									
2.1.1	making available those parts of its Transmission System which are intended for the purposes of conveying, or affecting the flow of, electricity, so that such parts are capable of doing so and are fit for those purposes;																																									
2.1.2	a means of enabling NGET to direct the configuration of those parts of that Transmission Owner's Transmission System made available to it and, consistent with such means, giving effect to any such direction from time to time; and	X	X							X		X	X							X																						
2.1.3	a means of enabling NGET to obtain information in relation to that Transmission Owner's Transmission System which information is needed by NGET to enable it to co-ordinate and direct the flow of electricity onto and over the GB Transmission System and, consistent with such means, providing such information to NGET, (together here referred to as "Transmission Services").	X		X	X	X		X			X	X																														
2.2.	Each Transmission Owner agrees with NGET to provide Transmission Services and to plan, develop, operate and maintain its Transmission System in accordance with its Transmission Licence and this Code, subject to any Transmission Derogations from time to time.																																									
2.3	NGET shall have the right to make use of the Transmission Services provided to it under this Code in pursuance of its activities and the discharge of its obligations under its Transmission Licence and the Act and only in pursuance of such activities or discharge of such obligations.																																									
3	SERVICES CAPABILITY SPECIFICATION																																									
3.1	Each Transmission Owner shall separately have and maintain, at all times, a specification of its Transmission Services (here referred to as "Services Capability Specification") and shall:																																									
3.1.1	maintain its Services Capability Specification (in accordance with Section D, Part One, sub-paragraph 2.8.2) by including, without limitation, information describing the parameters and levels within and to which its Transmission Services have been planned to be provided, or such higher levels up to which its Transmission Services are normally capable of being so provided, to NGET: such information to include and identify the technical limits that would normally apply to the provision of its Transmission Services (such technical limits as identified in the Service Capability Specification here referred to as the "Normal Capability Limits" applicable to those Transmission Services); and																																									
3.1.2	submit a copy of its Services Capability Specification to NGET and immediately submit to NGET copies of any amendments made to it under paragraphs 3.2 or 3.3.																																									
3.2	Each Transmission Owner shall keep its Services Capability Specification under review at all times and may:																																									
3.2.1	propose a change to the form of its Services Capability Specification at any time, any such change to be agreed between the Transmission Owner and NGET (any failure to agree shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1); and																																									
3.2.2	amend the content of its Services Capability Specification, including amendments to any Normal Capability Limits:																																									
3.2.2.1	in the case of the correction of typographical errors only, at any time by submitting copies of such amendments to NGET; and																																									
3.2.2.2	in all other cases, pursuant to Section D, Part One, sub-paragraph 2.8.2.																																									
3.3	NGET may propose a change to the form of a Transmission Owner's Services Capability Specification at any time, any such change to be agreed between the Transmission Owner and NGET. Any failure to agree shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1.																																									
3.4	In addition to the obligation to submit a copy of its Services Capability Specification and copies of any amendments to NGET under this paragraph 3, a Transmission Owner shall provide to NGET such other information as may reasonably be requested by NGET from time to time in order to support the full and effective enjoyment of the rights of NGET pursuant to paragraph 2. Any dispute as to the reasonableness of such request shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1.																																									
4	TRANSMISSION SERVICES LIMITS																																									
4.1	Each Transmission Owner shall provide Transmission Services to NGET, pursuant to paragraph 2, in accordance with its Services Capability Specification (including to any Normal Capability Limits) except, and only to the extent that:																																									
4.1.1	the provision of such Transmission Services is reduced due to an Outage in accordance with Section C, Part Two;																																									
4.1.2	its Transmission Services are not, other than by reason of an Outage, physically capable of being provided or are not capable, for immediate safety reasons or pursuant to environmental obligations, of being provided in accordance with the Services Capability Specification (referred to as a "Services Reduction"); or																																									
4.1.3	the Transmission Owner has notified NGET of technical limits applying in excess of Normal Capability Limits pursuant to paragraph 4.14.																																									

Section C

		01-1	02-1	03-1	04-1	04-2	04-3	04-4	04-5	06-1	06-2	06-3	06-4	08-1	08-2	08-3	08-4	09-1	09-2	10-1	11-1	11-2	11-3	12-1	13-1	14-1	14-2	14-3	16-1	17-1	18-1	18-2	18-3	18-4	18-6	19-2	19-3	19-4	19-6	20-1	22-1					
		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Data Link Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Change Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting	Data Requirements for Charging	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process & Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning					
2.2	NGET shall update each Outage Plan from time to time to reflect the best and most current information available to it and so that each contains, to the extent and in such detail as is reasonably practicable and appropriate at the time, a description of those Outages which are planned to occur on the GB Transmission System during the course of the relevant Financial Year. These may include Outages proposed by each Transmission Owner pursuant to this Section C, Part Two and any other Outages which NGET plans in respect of the GB Transmission System.													X	X	X	X				X	X																								
2.3	NGET shall ensure that, to the extent that it is reasonable and appropriate to do so, each Transmission Owner is provided with the most up-to-date version of those parts of each Outage Plan as contain or relate to Outages of, or any other Outages which are likely to materially affect, that Transmission Owner's Transmission System. In each case, NGET shall identify those changes made to an Outage Plan since the last version provided to the relevant Transmission Owner.													X	X	X	X				X	X																								
2.4	In the course of developing its Outage Plans, NGET shall, to the extent that it is reasonable and practicable to do so:													X	X	X	X				X	X																								
2.4.1	discuss and exchange relevant information with each other Party to the extent that such information is likely to have a material effect on the Outages proposed by such other Party and including, without limitation, the data in respect of User Outages set out in Schedule 3; and													X	X	X	X				X	X																								
2.4.2	take into account each Outage Proposal in the preparation of its Outage Plan for the relevant Financial Year (any dispute in relation to the manner in which matters contained in an Outage Proposal are included or not included in an Outage Plan shall be referable to the Authority as a Dispute pursuant to Section H, paragraph 4.1).													X	X	X	X				X	X																								
3	OUTAGE PROPOSALS																																													
3.1	Each Transmission Owner shall co-operate and assist NGET in developing NGET's Outage Plans, including by:																				X																									
3.1.1	developing and maintaining Outage Proposals, in accordance with paragraph 3.2, with the objective of providing NGET with a proposed placement of Outages for each Financial Year that facilitates as co-ordinated and economical placement of Outages on the GB Transmission System as is reasonably foreseeable and practicable, given the information available to such Transmission Owner; and																				X																									
3.1.2	providing NGET with the most up-to-date version of each of its Outage Proposals up until the date on which the final version of each such Outage Proposal is submitted to NGET pursuant to paragraph 3.7.																				X																									
3.2	Each Transmission Owner shall develop and maintain, in consultation with NGET, a separate Outage Proposal of the Outages which are planned to occur on the Transmission Owner's Transmission System in respect of the current and each of the following six Financial Years.																				X																									
3.3	Each Transmission Owner shall update each Outage Proposal from time to time, up until the final version of its Outage Proposal is submitted under paragraph 3.7, to reflect the best and most current information available to it and so that each contains, to the extent and in such detail as is reasonably practicable and appropriate at the time, a description of those Outages which are planned to occur on its Transmission System during the course of the relevant Financial Year.																				X																									
3.4	Each Transmission Owner shall, in preparing its Outage Proposal in respect of each Financial Year, and NGET shall, in planning Outages on its Transmission System in respect of each Financial Year, discuss and exchange relevant information with each other Party to the extent that such information is likely to have a material effect on the Outages of such other Party.																				X																									
3.5	Each Transmission Owner shall develop its Outage Proposals taking into account, to the extent that it is reasonable and practicable to do so, the activities and reasonable requests of each other Party and the information provided to it under this Code.																				X																									
3.6	Each Transmission Owner shall, at the request of NGET, take all reasonably practicable steps to assist NGET in co-ordinating and facilitating User Outages and Outages of each other Party.																				X																									
3.7	On or before Week 28, each Transmission Owner shall submit to NGET the final version of such Transmission Owner's Outage Proposal for the following Financial Year, and shall ensure that such Outage Proposal is as full and complete as reasonably practicable and contains, without limitation:																				X																									
3.7.1	the proposed start and finish date(s) and times of each Outage;																				X																									
3.7.2	details of the technical limits which the Transmission Owner anticipates will apply to its Transmission Services whilst they are the subject of the Outage (where not otherwise specified, Transmission Services on Outage shall be deemed to be wholly withdrawn);																				X																									
3.7.3	if necessary, any information about the associated configuration of any parts of the GB Transmission System and associated arrangements that may be required in relation to the Outage;																				X																									
3.7.4	information to assist NGET with the efficient sequencing of Outages, including the relationship, if any, between each Outage and any other proposed Outages;																				X																									
3.7.5	an indication of the importance which the Transmission Owner affixes to each Outage;																				X																									
3.7.6	details of the Transmission Owner's flexibility margins in respect of each Outage (for example, alternative dates upon which they could be taken, or the potential for movement of other Outage dates or times);																				X																									
3.7.7	the Emergency Return to Service Time for those parts of the Transmission System associated with each Outage (including, where appropriate, a statement of the steps that would be taken to restore the provision of the relevant associated Transmission Services or such alternative steps as NGET and the relevant Transmission Owner may agree which are intended to give a similar or substitutive effect and, where such steps do not restore such Transmission Services to their Normal Capability Limits, the limits which would otherwise apply),																				X																									
	(the matters in sub-paragraphs 3.7.5, 3.7.6 and 3.7.7 being here referred to together as "Flexibility Parameters").																				X																									
3.8	Following the submission of its final Outage Proposal pursuant to paragraph 3.7, a Transmission Owner shall not make or submit any further change(s) to its Outage Proposal for the following Financial Year and any further changes to the Outage Plan for such Financial Year shall be made in accordance with paragraph 5.																				X																									
4	NGET ISSUE OF THE OUTAGE PLAN																																													

Section C

		01-1	02-1	03-1	04-1	04-2	04-3	04-4	04-5	06-1	06-2	06-3	06-4	08-1	08-2	08-3	08-4	09-1	09-2	10-1	11-1	11-2	11-3	12-1	13-1	14-1	14-2	14-3	16-1	17-1	18-1	18-2	18-3	18-4	18-6	19-2	19-3	19-4	19-6	20-1	22-1														
		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Datalink Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Change Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting	Data Requirements for Charging	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process & Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning														
6.1	NGET, and each Transmission Owner in relation to whose Transmission System an Outage contained in the Outage Plan is due to occur, shall jointly prepare for such Outage including by agreeing over a reasonably prudent period beforehand the process required (and the associated configuration of the GB Transmission System that will be required) to be undertaken by each Party in order to implement the Outage in accordance with the Outage Plan (the "Outage Implementation Process"). Any failure to agree shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1.																				X																																		
6.2	In the event that NGET and a Transmission Owner shall at any time be unable to agree the Outage Implementation Process to apply in respect of an Outage, the Outage Implementation Process shall be as directed by NGET subject to the subsequent determination of any Dispute referred to the Authority pursuant to paragraph 6.1.																				X																																		
6.3	The Transmission Owner on whose Transmission System an Outage is due to occur or is occurring shall notify NGET of the extent and duration of any change(s) in Operational Capability Limits that will apply to such Transmission Services as are affected by such Outage, in each case:																				X																																		
6.3.1	at the same time as the Transmission Owner makes any request to NGET pursuant to paragraph 5.2 which would have the effect of varying a notification already given under this paragraph 6.3; and																				X																																		
6.3.2	immediately following receipt of a direction from NGET for the discontinuance of such Outage pursuant to paragraph 7.																				X																																		
6.4	NGET, and the Transmission Owner in relation to whose Transmission System the Outage will occur or is occurring (as appropriate), shall each comply with and undertake such actions as are required of them under and in accordance with the Outage Implementation Process.																				X																																		
6.5	Where a Party becomes aware of any matter which may affect its ability to meet its obligations pursuant to an Outage Implementation Process, it shall promptly notify the other Party and both shall agree a change to such Outage Implementation Process. Any failure to agree shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1.																				X																																		
6.6	In the event that two Parties shall at any time be unable to agree a change to an Outage Implementation Process under paragraph 6.5, such Outage Implementation Process shall be remain unchanged, subject to the subsequent determination of any Dispute referred to the Authority pursuant to paragraph 6.5.																				X																																		
7	EMERGENCY RETURN TO SERVICE DURING AN OUTAGE																																																						
7.1	NGET may at any time direct that a Transmission Owner discontinue an Outage within the relevant Emergency Return to Service Time, whether or not expiry of the planned period of the Outage is otherwise imminent, by so notifying the relevant Transmission Owner, provided that:																				X																																		
7.1.1	NGET shall consult with such Transmission Owner before issuing any such direction (any dispute in relation to a direction made by NGET pursuant to this paragraph 7.1 shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1); and																				X																																		
7.1.2	pending the subsequent resolution of any Dispute referred to the Authority under sub-paragraph 7.1.1, the relevant Transmission Owner shall, if NGET so requests, take the steps proposed in relation to such Outage pursuant to sub-paragraph 3.7.7 of this Section C, Part Two (or as otherwise agreed with NGET) to restore the provision of Transmission Services.																				X																																		
7.2	A direction notified pursuant to paragraph 7.1 may be notified verbally where it is necessary and expedient to do so, provided that NGET confirms such direction in writing as soon as reasonably practicable.																				X																																		
PART THREE: OTHER																																																							
1	INTRODUCTION																																																						
1.1	This Section C, Part Three deals with:																																																						
1.1.1	the Testing of each Transmission Owner's Transmission System and arrangements between the Parties to facilitate the testing and commissioning of User Equipment;																																																						
1.1.2	Transmission Owners entering into Interface Agreements with Users in relation to Connection Sites and New Connection Sites; and																																																						
1.1.3	other operational matters including Event Reporting and Joint Investigations, Black Start, and the De-energisation of User Equipment.																																																						
2	TESTING TRANSMISSION OWNER'S TRANSMISSION SYSTEMS																																																						
2.1	Testing																																																						
2.1.1	Where reasonably requested by another Party, each Party shall to the extent that it is reasonably practicable for it to carry out Tests on its Transmission System (and in the case of NGET, the GB Transmission System) and shall co-operate with the carrying out of Tests by such other Party on that Party's Transmission System (and where such other Party is NGET, the GB Transmission System).																X																																						
2.1.2	Where reasonably requested by NGET, a Transmission Owner shall provide access to its Test results and maintenance records in relation to any of its Plant or Apparatus located on Users' Sites.															X																																							
2.2	Commissioning and on-load testing of User Equipment																																																						
2.2.1	A Transmission Owner shall, where requested by NGET, assist with the commissioning and on-load testing of a User Equipment or equipment for which a User is responsible and NGET shall pay Reasonable Charges to the Transmission Owner in respect of any assistance so provided.																X																										X	X											
3	REQUIREMENT TO ENTER INTO INTERFACE AGREEMENT																																																						
3.1	In relation to Connection Sites and New Connection Sites in Scotland, each Transmission Owner to whose Transmission System such Connection Site or New Connection Site is or will be connected shall, and NGET shall procure that each relevant User shall, enter into an Interface Agreement in a form to be agreed between such Transmission Owner and User but based substantially on the form set out in Exhibit O, Part B to the CUSC where such Interface Agreement(s) is/are required.																																																						

Section C

		01-1	02-1	03-1	04-1	04-2	04-3	04-4	04-5	06-1	06-2	06-3	06-4	08-1	08-2	08-3	08-4	09-1	09-2	10-1	11-1	11-2	11-3	12-1	13-1	14-1	14-2	14-3	16-1	17-1	18-1	18-2	18-3	18-4	18-6	19-2	19-3	19-4	19-6	20-1	22-1							
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6.1.2	the De-energisation of User Equipment specified in such notice.																																															
7	PROVISION OF TRAINING																																															
7.1	NGET and each Transmission Owner, upon reasonable request from the other including, without limitation, as to numbers and duration, provide such nominated personnel as shall be agreed between NGET and such Transmission Owner and at the expense of the Party providing such training, with training on the processes that NGET or the Transmission Owner (as appropriate) is required to follow, or that it may otherwise develop, in the discharge of its obligations arising in relation to paragraph 5 of this Part Three.																																															
7.2	Any training provided pursuant to paragraph 7.1 shall be in such form and on such terms as the Party providing such training shall, at its discretion, determine is reasonable and both relevant Parties shall co-operate in the performance of such training.																																															
7.3	Any dispute arising in relation to the provision of, or failure to provide, training pursuant to this paragraph 7, shall be referable to the Authority as a Dispute in accordance with Section H, paragraph 4.1.																																															
8	GB TRANSMISSION SYSTEM PERFORMANCE REPORTING																																															
8.1	NGET shall discuss and evaluate with each Transmission Owner any proposed changes to the statement ("Condition C17 Statement") setting out the criteria by which system availability, security and service quality of the GB Transmission System may be measured pursuant to Standard Condition C17 of its Transmission Licence which may be proposed by NGET or a Transmission Owner.																																															
8.2	NGET shall, prior to seeking the approval of the Authority for any change to the Condition C17 Statement, consult with each Transmission Owner and take into account any concerns that a Transmission Owner may have regarding changes to the costs it would incur by complying with its obligations under Standard Condition D3 of its Transmission Licence as a consequence of any proposed change to the statement.			X																																												
8.3	Parties shall agree a timetable for the key stages of the production of the GB Transmission System Performance Report ("GB Transmission System Performance Report Timetable") to enable NGET to meet its obligations for submission of the report to the Authority within the specified timescales of Standard Condition C17. Any failure to agree a GB Transmission System Performance Report Timetable may be referred as a Dispute to the Authority in accordance with Section H, paragraph 4.1.																																															
8.4	In the event that NGET and a Transmission Owner fail to agree a GB Transmission System Performance Report Timetable, or any part thereof, then, subject to the determination of any Dispute referred to the Authority pursuant to paragraph 8.3, the Transmission Owner shall comply with such timetable as NGET may specify.																																															
8.5	Following the submission of relevant information from each Transmission Owner pursuant to Paragraph 2 of Standard Condition D3 of the Transmission Owner's Transmission Licence, NGET shall provide to each Transmission Owner those parts of the initial draft text of the report produced pursuant to Paragraph 3 of Standard Condition C17 of NGET's Transmission Licence ("GB Transmission System Performance Report") as are of relevance to it and shall liaise with each of them in order to agree any amendments to the initial draft text of the GB Transmission System Performance Report requested by a Transmission Owner. Any failure to agree such amendments to the initial draft text of the report may be referred as a Dispute to the Authority in accordance with Section H, paragraph 4.1.																																															
8.6	In the event that NGET and a Transmission Owner fail to agree any amendments to the initial draft text of the GB Transmission System Performance Report then, subject to the determination of any Dispute referred to the Authority pursuant to paragraph 8.5, NGET's proposals in respect of such amendments shall prevail.																																															
		12	10	20	1	1	1	10	2	3	3	2	2	6	6	8	7	0	0	1	58	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0			

Section D

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SECTION D: PLANNING CO-ORDINATION																																																						
PART ONE: TRANSMISSION PLANNING																																																						
1	INTRODUCTION																																																					
1.1	This Section D, Part One deals with the planning and development of Transmission Owners' Transmission Systems and relevant parts of the GB Transmission System on a co-ordinated basis, and sets out:																																																					
1.1.1	the process for Transmission Owners to develop and implement Transmission Investment Plans in respect of their Transmission Systems and NGET to develop and implement NGET Investment Plans;																																																					
1.1.2	the general principles for identifying the Default Planning Boundary at Connection Sites for the purpose of planning and development; and																																																					
1.1.3	provision for the Parties to co-operate in relation to the preparation by NGET of the Seven Year Statement.																																																					
2	TRANSMISSION PLANNING																																																					
2.1	Transmission Investment Plans and NGET Investment Plans																																																					
2.1.1	In accordance with the provisions of this Section D, Part One, each Transmission Owner shall develop and maintain a separate Transmission Investment Plan in respect of the current and each of the following six Financial Years.																													X																								
2.1.2	Each Transmission Owner shall update each Transmission Investment Plan from time to time to reflect the best and most current information available to it and so that each contains, to the extent and in such detail as is reasonably practicable and appropriate at the time, for the relevant Financial Year:																													X																								
2.1.2.1	a description of any proposed Change(s) to its Transmission System;																												X																									
2.1.2.2	a description of any proposed variation(s) in the Transmission Services to be provided to NGET under Section C, Part One, paragraph 2.1 and including (where appropriate) any new or revised Normal Capability Levels that will apply;																												X																									
2.1.2.3	an indication of the works required to give effect to the proposed Changes under sub-paragraph 2.1.2.1 above (here referred to as the "Planned Works") and the likely material effect of such Planned Works on Users;																												X																									
2.1.2.4	an indication of any works which a User may have to carry out as a result of any proposed Change to a Connection Site;																												X																									
2.1.2.5	an indication of any Outages (in reasonable but not excessive detail) likely to be required to give effect to the Planned Works;																												X																									
2.1.2.6	a description of any technical or operational assumptions which the Transmission Owner has, in planning and developing its Transmission System, assumed would apply to Plant or Apparatus of another Party or User Equipment at a Connection Site; and																												X																									
2.1.2.7	any other relevant information which the Transmission Owner considers may materially affect a Transmission Investment Plan of another Party or an NGET Investment Plan.																												X																									
2.1.3	Each Transmission Owner shall ensure that, to the extent that it is reasonable and appropriate to do so:																												X																									
2.1.3.1	NGET is provided with the most up-to-date version of its Transmission Owner's Transmission Investment Plans; and																												X																									
2.1.3.2	such Transmission Owner provides such parts of the up-to-date versions of its Transmission Investment Plans to each other Transmission Owner as may have a material effect upon that other Transmission Owner's Transmission Investment Plans, and in each case shall clearly identify those changes made to each Transmission Investment Plan since the last version provided to the relevant Party.																												X																									
2.1.4	In accordance with the provisions of this Section D, Part One, NGET shall develop and maintain a separate plan, in respect of the current and each of the following six Financial Years, for those proposed Changes to its Transmission System which are likely to have a material effect upon any Transmission Owner's Transmission Investment Plan (referred to as "NGET Investment Plan").																												X																									
2.1.5	NGET shall update each NGET Investment Plan from time to time to reflect the best and most current information available to it and so that each contains, to the extent and in such detail as is reasonably practicable and appropriate at the time, for the relevant Financial Year, the same matters in relation to NGET as are required to be set out in relation to Transmission Owners in their Transmission Investment Plans under sub-paragraph 2.1.2.																												X																									
2.1.6	NGET shall ensure that, to the extent that it is reasonable and appropriate to do so, each Transmission Owner is provided with such parts of its up-to-date NGET Investment Plans as may have a material effect upon that Transmission Owner's Transmission Investment Plans and shall clearly identify those changes made to each NGET Investment Plan since the last version provided to such Transmission Owner.																												X																									
2.2	Transmission System Technical Criteria and Planning Assumptions																																																					
2.2.1	NGET shall prepare and update Planning Assumptions from time to time and shall promptly provide such new or updated Planning Assumptions to Transmission Owners to be used by them in planning and developing their Transmission Systems.																																																					X
2.2.2	A Transmission Owner may at any time submit a request to NGET for a change to Planning Assumptions it has received pursuant to sub-paragraph 2.2.1, provided that such request shall contain a description (in reasonable but not excessive detail) of the reason(s) for the request.																													X																								
2.2.3	If NGET receives a request for a change to Planning Assumptions pursuant to sub-paragraph 2.2.2 it shall, as soon as reasonably practicable:																												X																									

Section D

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2.2.3.1	notify the Transmission Owner submitting the request and any other Transmission Owner, which is likely to be materially affected by the requested change, whether or not and, where relevant, how NGET intends to accommodate such request; and																													X																		
2.2.3.2	where relevant, change and re-issue such Planning Assumptions (and any related Planning Assumptions) accordingly.																													X																		
2.2.4	A Transmission Owner may refer to the Authority as a Dispute in accordance with Section H, paragraph 4.1:																																															
2.2.4.1	any notice received from NGET under 2.2.3.1; or																																															
2.2.4.2	any failure by NGET to respond to a request submitted under sub-paragraph 2.2.2 within a reasonable period of time, taking into account the nature, complexity and urgency of the request.																																															
2.2.5	Notwithstanding any request submitted by a Transmission Owner pursuant to sub-paragraph 2.2.2 above, each Transmission Owner shall continue to take into account the Planning Assumptions provided by NGET, for the purposes of sub-paragraph 2.2.7 of this Section D, Part One, subject to any subsequent changes made to such Planning Assumptions by NGET under sub-paragraph 2.2.3 or any determination of a Dispute referred to the Authority pursuant to sub-paragraph 2.2.4.																																															
2.2.6	Without limitation to Section C, Part One, paragraph 2.2, in planning and developing its Transmission System, each Transmission Owner shall ensure that its Transmission System complies with:																																															
2.2.6.1	the minimum technical, design and operational criteria and performance requirements set out or referred to in Connection Conditions 6.1, 6.2, 6.3 and 6.4 and in Planning Code 6.2; or																																															
2.2.6.2	such other technical criteria or requirements as apply to any relevant part of its Transmission System by virtue of a current Transmission Derogation.																																															
2.2.7	Each Transmission Owner shall plan and develop its Transmission System taking into account the Planning Assumptions provided to it by NGET and any other information provided to it under this Code and on the basis that User Plant and Apparatus complies with:																																															
2.2.7.1	the minimum technical design and operational criteria and performance requirements set out in Connection Conditions 6.1, 6.2, 6.3 and 6.4; or																																															
2.2.7.2	such other criteria or requirements as NGET may from time to time notify the Transmission Owner are applicable to specified User Plant and Apparatus pursuant to sub-paragraph 2.2.8; and																																															
2.2.7.3	in relation to each Connection Site, such technical design and operational criteria as are set out in the Connection Site Specification,																																															
	and, unless otherwise advised by the relevant Party, that each other Party complies with the provisions of this Code and any applicable Licence Standards in planning or developing any other part of the GB Transmission System																																															
2.2.8	NGET shall notify each Transmission Owner whose Transmission System is likely to be materially affected by the design or operation of a User's Plant and Apparatus where NGET:																																															X
2.2.8.1	becomes aware that such User has or is likely to apply for a User Derogation;																																															X
2.2.8.2	is itself applying for a derogation under the GB Grid Code in relation to the Connection Site on which such User's Plant and Apparatus is located or to which it otherwise relates; or																																															X
2.2.8.3	is otherwise notified by such User that specified Plant or Apparatus is normally capable of operating at levels better than those set out in Connection Conditions 6.1, 6.2, 6.3 and 6.4.																																															X
2.2.9	Each Transmission Owner shall promptly notify NGET if such Transmission Owner becomes aware that a User's Plant or Apparatus has failed, or is likely to fail, otherwise than in accordance with a User Derogation, to comply with the technical design and operational criteria or performance requirements applying pursuant to sub-paragraph 2.2.7.																																															
2.3	Co-ordination of Transmission Investment Planning																																															
2.3.1	The Parties shall:																																															X
2.3.1.1	co-operate and assist each other in the development and implementation of co-ordinated Transmission Investment Plans and NGET Investment Plans;																																															X
2.3.1.2	meet from time to time (including by telephone if the Parties so agree) to agree arrangements to facilitate such development and implementation; and																																															X
2.3.1.3	plan and develop their Transmission Systems taking into account, to the extent that it is reasonable and practicable to do so, the activities and reasonable requests of each other Party relating to the planning and development of such other Party's Transmission System.																																															X
2.3.2	Without limitation to sub-paragraph 2.3.1, each Transmission Owner shall include in its Transmission Investment Plans and NGET shall include in its NGET Investment Plans such information directly related to the matters set out in sub-paragraphs 2.1.2.1 to 2.1.2.6 or the current or future characteristics of the Transmission Owner's Transmission System or, in the case of NGET, the GB Transmission System, as:																																															X
2.3.2.1	NGET reasonably requests; or																																															X
2.3.2.2	a Transmission Owner reasonably requests (to the extent that the information requested may have a material effect upon the requesting Transmission Owner's Transmission Investment Plan(s)).																																															X
2.4	Changes to Transmission Investment Plans and NGET Investment Plans																																															

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2.6.4	Each Connection Site Specification shall be as proposed by the relevant Transmission Owner, subject to the subsequent determination of any Dispute referred to the Authority pursuant to sub-paragraph 2.6.3.																																																						
2.7	Transmission Owner Derogated Plant																																																						
2.7.1	A Transmission Owner shall, where requested by NGET, use all reasonable endeavours to carry out such Planned Works as are necessary to ensure that each item of Derogated Plant owned or operated by such Transmission Owner is brought up to the Required Standard applicable to it no later than the Back Stop Date applicable to it.																																																						
2.8	Implementation																																																						
2.8.1	Each Transmission Owner shall give effect to its Transmission Investment Plans and NGET shall give effect to its NGET Investment Plans.																																																						
2.8.2	Where a Transmission Owner develops its Transmission System as a consequence of giving effect to its Transmission Investment Plan pursuant to sub-paragraph 2.8.1, it shall promptly update its:																																																						
2.8.2.1	Services Capability Specification to reflect each variation to the Transmission Services it provides under Section C, Part One (including by inserting or amending any applicable Normal Capability Limits); and																																																						
2.8.2.2	Connection Site Specification to reflect any changes to the Transmission Connection Assets or User Equipment at a Connection Site located on such Transmission Owner's Transmission System.																																																						
2.8.3	Without limitation to sub-paragraph 2.3.1, the Parties shall give effect to their Transmission Investment Plans or, in the case of NGET, its NGET Investment Plans, in a co-ordinated manner and taking into account, to the extent that it is reasonable and practicable for each Party to do so, the activities and requirements of each of the other Parties including, where reasonably requested to do so by another Party, by:																																																						
2.8.3.1	undertaking any incidental activities or works which that other Party reasonably identifies are required to facilitate the development of such other Party's Transmission System pursuant to sub-paragraph 2.8.1; and																																																						
2.8.3.2	giving advice or assistance in order to enable that other Party to obtain such Consents as that Party may require.																																																						
3	DEFAULT PLANNING BOUNDARY																																																						
3.1	For the purposes of planning and developing Construction Projects in accordance with Section D, Part Two and subject to any contrary agreement between the relevant Transmission Owner and NGET (which agreement shall include, for these purposes, the Connection Site Specification and any TO Construction Agreements), the Default Planning Boundary shall be at the electrical boundary, such boundary to be determined in accordance with the following principles:																																																						
3.1.1	in relation to Plant and Apparatus located between the Transmission System and a Power Station, the electrical boundary is at the busbar clamp on the busbar side of the busbar isolators on Generators and Power Station transformer circuits;																																																						
3.1.2	save as specified in sub-paragraph 3.1.3 below, in relation to Plant and Apparatus located between the Transmission System and a Distribution System, the electrical boundary is at the busbar clamp on the busbar side of the Distribution System voltage busbar selector isolator(s) of the Transmission System circuit or if a conventional busbar does not exist, an equivalent isolator. If no isolator exists an agreed bolted connection at or adjacent to the tee point shall be deemed to be an isolator for these purposes;																																																						
3.1.3	in relation to Plant and Apparatus located between the Transmission System and a Distribution System and forming a part of the Transmission System but designed for a voltage of 132kV or below in England and Wales, and below 132kV in Scotland, the electrical boundary is at the busbar clamp on the busbar side of the busbar selector isolator on the Distribution System circuit or, if a conventional busbar does not exist, an equivalent isolator. If no isolator exists, an agreed bolted connection at or adjacent to the tee point shall be deemed to be an isolator for these purposes;																																																						
3.1.4	in relation to Plant and Apparatus located between the Transmission System and the system of a Non-Embedded Customer, the electrical boundary is at the clamp on the circuit breaker side of the cable disconnections at the Non-Embedded Customer's sub-station; and																																																						
3.1.5	in the case of a metal clad switchgear bay the electrical boundary will be the equivalent of those specified in this paragraph 3.1 save that:																																																						
3.1.5.1	for rack out switchgear, the electrical boundary will be at the busbar shutters;																																																						
3.1.5.2	for SF6 switchgear, the electrical boundary will be at the gas zone separators on the busbar side of the busbar selection devices.																																																						
3.1.6	in relation to Plant and Apparatus located between the GB Transmission System and an Interconnector at the busbar clamp on the busbar side of the busbar isolators in the Interconnector transformer circuits at a Connection Site.																																																						
3.2	If, in accordance with a request received from a User, NGET wants to use, at a Connection Site, transformers of specialised design for unusual load characteristics at the electrical boundary, these shall form part of the relevant Transmission Owner's Transmission System but NGET shall pay the Transmission Owner for the proper and reasonable additional cost thereof as identified by the Transmission Owner in the TO Connection Offer covering such transformers. In this paragraph 3.2 "unusual load characteristics" means loads which have characteristics which are significantly different from those of the normal range of domestic, commercial and industrial loads (including loads which vary considerably in duration or magnitude).																																																						
3.3	For the avoidance of doubt nothing in this paragraph 3 shall effect any transfer of ownership in any Plant and Apparatus.																																																						
4	SEVEN YEAR STATEMENT																																																						
4.1	Preparation of Seven Year Statement																																																						

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		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Datalink Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Change Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting	Data requirements for charging consultations	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process & Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning														
4.1.1	NGET shall, prior to seeking the approval of the Authority for a form of seven year statement pursuant to Standard Condition C11 of its Transmission Licence ("Seven Year Statement"), consult with each Transmission Owner and take into account any concerns that a Transmission Owner may have regarding changes to the costs it would incur by complying with its obligations under sub-paragraph 4.1.2 as a consequence of any proposed change in the form of Seven Year Statement.																																											X											
4.1.2	NGET shall agree with each Transmission Owner a programme of activities required to be undertaken by that Transmission Owner in order to support NGET in NGET's preparation of each Seven Year Statement ("SYS Programme") and that Transmission Owner shall carry out such activities as are specified in the SYS Programme. Any failure to agree a SYS Programme may be referred as a Dispute to the Authority in accordance with Section H, paragraph 4.1.																																													X									
4.1.3	In the event that NGET and a Transmission Owner fail to agree a SYS Programme, or any part thereof, then, subject to the determination of any Dispute referred to the Authority pursuant to sub-paragraph 4.1.2, the Transmission Owner shall carry out such SYS Programme as NGET may specify.																																														X								
4.1.4	NGET shall provide to each Transmission Owner those parts of the initial draft text of each Seven Year Statement as are of relevance to it and shall liaise with each of them in order to agree any amendments to the initial draft text of the Seven Year Statement requested by a Transmission Owner. Any failure to agree such amendments may be referred as a Dispute to the Authority in accordance with Section H, paragraph 4.1.																																														X								
4.1.5	In the event that NGET and a Transmission Owner fail to agree any amendments to the initial draft text of the Seven Year Statement then, subject to the determination of any Dispute referred to the Authority pursuant to sub-paragraph 4.1.4, NGET's proposals in respect of such amendments shall prevail.																																															X							
4.1.6	For the avoidance of doubt, nothing in this paragraph 4.1 shall preclude the Parties from progressing activities pursuant to sub-paragraphs 4.1.1, 4.1.2 and 4.1.4 at the same time.																																															X							
PART TWO: CONSTRUCTION																																																							
1	INTRODUCTION																																																						
1.1	This Section D, Part Two, deals with arrangements between NGET and Transmission Owners in relation to Construction Projects on or which otherwise materially affect such Transmission Owners' Transmission Systems and the disconnection of Users connected to Transmission Owners' Transmission Systems. This Part Two includes paragraphs relating to:																																																						
1.1.1	the process by which NGET and each Transmission Owner enter into a bilateral TO Construction Agreement for the construction of a New Connection or Modification or System Construction;																																																						
1.1.2	Communications Plant requirements at Connection Sites; and																																																						
1.1.3	provision for the permanent disconnection of User Equipment connected to a Transmission Owner's Transmission Systems.																																																						
2	NGET CONSTRUCTION APPLICATIONS																																																						
2.1	In this Code:																																																						
2.1.1	"Construction Project" refers (as appropriate) to a New Connection, Modification or a System Construction; and																																																						
2.1.2	"NGET Construction Application" refers to an application submitted by NGET to a Transmission Owner in relation to a Construction Project, and which is (as appropriate) a:																																																						
2.1.2.1	NGET Connection Application;																																																						
2.1.2.2	NGET Modification Application; or																																																						
2.1.2.3	System Construction Application.																																																						
2.2	If NGET considers it may be necessary for a Construction Project to be undertaken, it shall submit a NGET Construction Application in accordance with paragraph 2.3 to:																																																						
2.2.1	the Transmission Owner, if any, whose Transmission System is located at the Relevant Connection Site;																																																						
2.2.2	any Transmission Owner in relation to whose Transmission System the Relevant Connection Site satisfies the criteria set out in Schedule Four; and																																																						
2.2.3	any Transmission Owner which does not receive a NGET Construction Application pursuant to sub-paragraphs 2.2.1 or 2.2.2, but which:																																																						
2.2.3.1	otherwise receives Construction Planning Assumptions pursuant to paragraph 3.2 in relation to the Relevant Connection Site; or																																																						
2.2.3.2	NGET otherwise identifies is likely to be required to enter into a TO Construction Agreement in respect of the Construction Project, (NGET and each Transmission Owner which receives a NGET Construction Application shall be referred to in this Section as a "Construction Party").																																																						
2.3	NGET shall submit a NGET Construction Application:																																																						
2.3.1	pursuant to sub-paragraphs 2.2.1 and 2.2.2, as soon as reasonably practicable, and in any event within three Business Days of the User Application Date in relation to such Relevant Connection Site; and																																																						
2.3.2	pursuant to sub-paragraph 2.2.3, at the same time as Construction Planning Assumptions are submitted to a Transmission Owner under paragraph 3.2 or, where applicable, at the same time as NGET gives a Transmission Owner notice under paragraph 3.3.																																																						
2.4	For the purposes of this Section D, Part Two, a NGET Construction Application shall be deemed to be effective if it is complete and clear in all material respects.																																																						

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		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Datalink Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Change Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting	Data requirements for charging consultations	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process & Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning																				
2.5	If a Transmission Owner reasonably considers that a NGET Construction Application is not effective it shall, as soon as reasonably practicable and in any event within five Business Days of receipt of the NGET Construction Application, notify NGET of:																															X	X																												
2.5.1	the detailed reasons why it considers the NGET Construction Application is incomplete or unclear in a material respect; and																															X	X																												
2.5.2	the amendments (including clarifications, additional information, data or other material) it considers are required to make the NGET Construction Application effective,																															X	X																												
	and shall otherwise use its best endeavours to liaise with and assist NGET (and, where reasonably requested by NGET, any relevant third parties) so that the NGET Construction Application is made effective as soon as reasonably practicable. Any dispute in relation to the effectiveness of a NGET Construction Application may be referred as a Dispute to the Authority in accordance with Section H, paragraph 4.1.																															X	X																												
2.6	Each Transmission Owner shall charge NGET and NGET shall pay Engineering Charges in relation to a NGET Construction Application in accordance with Schedule Ten.																															X	X											X																	
2.7	NGET shall immediately notify each other Construction Party following:																															X	X																												
2.7.1	any change in the NGET Construction Application or associated information provided to such Construction Party; or																															X	X																												
2.7.2	the withdrawal of the relevant User Application by a User, in which case such notice shall also constitute notice of withdrawal by NGET of any relevant NGET Construction Application.																															X	X																												
3	PROVISION OF CONSTRUCTION PLANNING ASSUMPTIONS FOLLOWING A NGET CONSTRUCTION APPLICATION																																																												
3.1	In addition to Planning Assumptions used for general transmission planning pursuant to Section D, Part One, paragraph 2.2, NGET may, as a consequence of a User Application, also generate a separate set of Planning Assumptions which take into account the power flows which NGET expects are likely to result from the Construction Project for use by each Transmission Owner only in the preparation of TO Construction Offers ("Construction Planning Assumptions").																																																				X								
3.2	If NGET generates Construction Planning Assumptions, it shall do so as soon as reasonably practicable and, in any event, within five Business Days of the User Application Date and shall:																																																				X								
3.2.1	immediately provide to each Transmission Owner such parts of the set of Construction Planning Assumptions as NGET reasonably determines are likely to materially affect such Transmission Owner's Transmission System; and																																																					X							
3.2.2	at the same time as Construction Planning Assumptions are provided to any Transmission Owner(s) pursuant to sub-paragraph 3.2.1, either:																																																					X							
3.2.2.1	identify the NGET Construction Application already submitted to such Transmission Owner under sub-paragraphs 2.2.1 or 2.2.2 to which the Construction Planning Assumptions relate; or																																																						X						
3.2.2.2	submit a new NGET Construction Application to such Transmission Owner pursuant to sub-paragraph 2.2.3.																																																							X					
3.3	NGET shall notify each Transmission Owner which receives an NGET Construction Application as soon as reasonably practicable and, in any event, within two Business Days of the User Application Date, if it does not intend to generate a set of Construction Planning Assumptions in respect of the relevant Construction Project. Following such notice the general Planning Assumptions provided to Transmission Owners pursuant to Section D, Part One, paragraph 2.2 shall be deemed to also be Construction Planning Assumptions for the purposes of such Construction Project.																																																								X				
3.4	NGET may, in its discretion, change a set of Construction Planning Assumptions (including any deemed Construction Planning Assumptions under paragraph 3.3) by giving notice to the relevant Transmission Owner(s), at any time up to the later of the time at which the TO Construction Offer to which such Construction Planning Assumptions apply:																																																							X					
3.4.1	is accepted by NGET pursuant to paragraph 5.3; or																																																							X					
3.4.2	no longer remains open for acceptance pursuant to paragraph 5.1.																																																								X				
3.5	A Transmission Owner may submit a request to NGET for a change to Construction Planning Assumptions it has received pursuant to paragraphs 3.2 or 3.4 or which have been deemed pursuant to paragraph 3.3, provided that such request shall contain a description (in reasonable but not excessive detail) of the reason(s) for the request.																																																								X				
3.6	If NGET receives a request for a change to Construction Planning Assumptions pursuant to paragraph 3.5 it shall, as soon as reasonably practicable:																																																									X			
3.6.1	notify the Transmission Owner submitting the request and any other Transmission Owner, which is likely to be materially affected by the requested change, whether or not and, where relevant, how NGET intends to accommodate such request; and																																																									X			
3.6.2	where relevant, change and re-issue such Construction Planning Assumptions accordingly.																																																									X			
3.7	A Transmission Owner may refer to the Authority as a Dispute in accordance with Section H, paragraph 4.1:																																																										X		
3.7.1	any notice received from NGET under 3.6.1; or																																																										X		
3.7.2	any failure by NGET to respond to a request made by such Transmission Owner under paragraph 3.5 within a reasonable period of time, taking into account the nature, complexity and urgency of the request.																																																												X

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3.8	Notwithstanding any request submitted by a Transmission Owner pursuant to paragraph 3.5 above, each Transmission Owner shall continue to take into account the Construction Planning Assumptions provided by NGET pursuant to sub-paragraph 2.2.3 (or deemed pursuant to paragraph 3.3), for the purposes of paragraph 4.3 of this Section D, Part Two, subject to any subsequent changes made to such Construction Planning Assumptions by NGET under paragraphs 3.4 or 3.6 or any determination of a Dispute referred to the Authority pursuant to paragraph 3.7.																																											X			
3.9	For the avoidance of doubt, any change made to Construction Planning Assumptions pursuant to paragraphs 3.4 or 3.6 shall change the existing set of Construction Planning Assumptions and shall not constitute a separate set of Construction Planning Assumptions.																																												X		
3.10	NGET shall act in accordance with Good Industry Practice in deciding whether to generate any set of Construction Planning Assumptions and, where relevant, in generating or modifying such Construction Planning Assumptions pursuant to this paragraph 3.																																												X		
4 TO CONSTRUCTION OFFERS																																															
4.1	Each Transmission Owner which receives a NGET Construction Application shall notify NGET whether such Transmission Owner intends to submit a TO Construction Offer in respect of the relevant Construction Project including, without limitation, where the Transmission Owner is not submitting a TO Construction Offer because it is not obliged to do so under Standard Condition D4A of the Act. A Transmission Owner shall give such notice as soon as reasonably practicable but, in any event, on or before the later of:																															X	X														
4.1.1	twenty-five calendar days less one Business Day after the NGET Application Date; and																															X	X														
4.1.2	twenty-three calendar days less one Business Day after the Construction Assumptions Date.																															X	X														
4.2	Where a Transmission Owner does not require Transmission Construction Works to be undertaken in respect of a Construction Project or where it otherwise notifies NGET under paragraph 4.1 that it will not be submitting a TO Construction Offer, it shall																															X	X														
4.2.1	at the same time as it provides notice pursuant to paragraph 4.1, also notify NGET of any technical design or operational criteria which the Transmission Owner intends, in planning and developing its Transmission System, to assume will apply to User Equipment at the Relevant Connection Site; and																															X	X														
4.2.2	otherwise not (subject to any contrary determination of a Dispute referred to the Authority under paragraph 4.3) submit a TO Construction Offer to NGET in relation to such Construction Project.																															X	X														
4.3	NGET may refer as a Dispute to the Authority in accordance with Section H, paragraph 4.1, any notice it receives:																															X	X														
4.3.1	under paragraph 4.1 that a Transmission Owner does not intend to submit a TO Construction Offer in relation to a Construction Project; or																															X	X														
4.3.2	under sub-paragraph 4.2.1 of any assumptions which a Transmission Owner intends to make in relation to User Equipment at a Relevant Connection Site.																															X	X														
4.4	A Transmission Owner shall prepare each TO Construction Offer so that, if the Construction Project to which it relates is constructed, such Transmission Owner would continue to comply with the obligations in respect of the planning and development of its Transmission System set out in Part One, paragraph 2.2 of this Section D by giving effect to such TO Construction Offer, except that:																															X	X														
4.4.1	for the purpose of Part One, paragraph 2.2, such Transmission Owner shall take into account Construction Planning Assumptions provided to it under paragraph 3 (as modified or updated pursuant to paragraphs 3.4 or 3.6) in respect of the Construction Project in the place of any other Planning Assumptions; and																																X	X													
4.4.2	the technical design and operational criteria for the Relevant Connection Site shall be as set out in the NGET Construction Application together with any site-specific information set out in the TO Construction Offer.																															X	X														
4.5	A TO Construction Offer may, where it is necessary for the relevant Transmission Owner to carry out additional extensive system studies to evaluate more fully the impact of a proposed Construction Project, indicate the areas that require more detailed analysis. Before such additional studies are required, NGET shall indicate whether it wishes the Transmission Owner to undertake the work necessary to proceed to make a revised TO Construction Offer within the period specified in paragraph 4 or, where relevant, any other timescale directed or consented to by the Authority.																																X	X													
4.6	NGET shall provide Detailed Planning Data to a Transmission Owner, where reasonably requested by such Transmission Owner, to enable it to carry out any detailed system studies referred to in paragraph 4.5, provided that such Transmission Owner can reasonably demonstrate that such provision is relevant and necessary.																																X	X													
4.7	Subject to paragraph 4.2, a Transmission Owner which receives an effective NGET Construction Application under paragraph 2.2 above shall, unless otherwise agreed with NGET or determined or directed by the Authority, submit a TO Construction Offer to NGET as soon as reasonably practicable and, in any event, on or before the later of:																																X	X													
4.7.1	three months less thirteen Business Days after the NGET Application Date; and																															X	X														
4.7.2	where relevant, three months less fifteen Business Days after the Construction Assumptions Date.																															X	X														
4.8	NGET and a Transmission Owner may agree that the Transmission Owner may submit its TO Construction Offer otherwise than in accordance with the dates set out in paragraph 4.7 provided that:																															X	X														
4.8.1	a TO Construction Offer to which sub-paragraph 4.7.1 applies shall be submitted not later than three months less five Business Days after the NGET Application Date; and																															X	X														
4.8.2	a TO Construction Offer to which sub-paragraph 4.7.2 applies shall be submitted not later than three months less seven Business Days after the Construction Assumptions Date,																															X	X														
unless otherwise determined by the Authority in accordance with an application under Standard Condition C9 of NGET's Transmission Licence.																															X	X															

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4.9	In the event that NGET modifies Construction Planning Assumptions after a Transmission Owner has submitted its TO Construction Offer for the Construction Project to which such Construction Planning Assumptions apply, the Transmission Owner shall revise and re-submit its TO Construction Offer to NGET, taking into account such modified Construction Planning Assumptions, as soon as reasonably practicable.																														X	X																			
4.1	For the avoidance of doubt, the revision of a TO Construction Offer under paragraph 4.5 varies the existing TO Construction Offer and will not constitute a new TO Construction Offer nor affect the time for which such existing TO Construction Offer remains open for acceptance pursuant to paragraph 5.1.																															X	X																		
5	ACCEPTANCE OF TO CONSTRUCTION OFFERS BY NGET																																																		
5.1	A TO Construction Offer shall remain open for acceptance from the date on which it is submitted to NGET pursuant to paragraph 4 to a date not less than six months from the NGET Application Date unless an application is made to the Authority under Standard Condition C9 of NGET's Transmission Licence. In which event, such period shall remain open for acceptance until the date 17 days after any determination by or other direction from the Authority pursuant to such application.																																X	X																	
5.2	A Party may refer any dispute in connection with a TO Construction Offer as a Dispute to the Authority in accordance with Section H, paragraph 4.1.																															X	X																		
5.3	If NGET wishes to accept a TO Construction Offer, it shall do so by promptly notifying the relevant Transmission Owner in the form specified in such TO Construction Offer and by providing such Transmission Owner with an executed copy of the relevant TO Construction Agreement. Following notification of such acceptance, the Transmission Owner shall construct the relevant parts of the Construction Project in accordance with this Code and the executed TO Construction Agreement.																															X	X																		
6	GENERAL PROVISIONS CONCERNING THE DEVELOPMENT OF TO CONSTRUCTION OFFERS																																																		
6.1	The Construction Parties shall, in respect of each Construction Project:																																																		
6.1.1	agree a joint timetable, subject to and in accordance with the dates set out in paragraph 4 of this Section D, Part Two, for the development of co-ordinated TO Construction Offers and, in the case of NGET, any other planning or analysis required in the course of preparing the NGET Offer;																															X	X																		
6.1.2	co-operate and assist each other in order that TO Construction Offers, plans or analysis prepared by NGET and any application(s) for Consent(s) which are or are likely to be required in respect of the Construction Project, are co-ordinated; and																															X	X																		
6.1.3	provide each other with information about, in the case of a Transmission Owner as provider, the contents of its TO Construction Offer and, in the case of NGET as provider, any information about its relevant planning or analysis, to the extent that such information may materially affect such other Construction Party's TO Construction Offer or, in the case where such other Construction Party is NGET, its relevant planning or analysis.																															X	X																		
6.2	In addition to any Construction Planning Assumptions provided in accordance with paragraph 3 of this Section D, Part Two, NGET shall keep each other Construction Party reasonably informed of the likelihood of, and provide information in relation to, any potential circumstances which, if they occurred, might reasonably be expected to change the Construction Planning Assumptions or otherwise materially affect the preparation of relevant TO Construction Offers including, without limitation, information in relation to any other potential New Connections or Modifications.																															X	X																		
6.3	If a Transmission Owner which receives additional information pursuant to paragraph 6.2 reasonably identifies that such information, if incorporated into any Construction Planning Assumptions, would be likely to affect its TO Construction Offer, such Transmission Owner shall promptly notify NGET that its TO Construction Offer would be likely to be so affected.																															X	X				X														
7	GENERAL PROVISIONS CONCERNING NEW CONNECTIONS AND MODIFICATIONS																																																		
7.1	Subject to the payment of its Reasonable Charges, if any, as provided for in this paragraph 7.1, each Party shall provide all advice and assistance reasonably requested by another Party to enable it adequately to assess the implications (including the feasibility):																															X	X	X																	
7.1.1	of making a Modification to User Equipment or a User's System (whether such Modification is the result of Planned Works proposed by the Party requesting advice or assistance or at the request of a User); or																															X	X	X																	
7.1.2	of constructing a New Connection Site (including adequately assessing the feasibility of making any NGET Connection Application or considering the terms of any TO Construction Offer).																															X	X	X																	
7.2	If a proposed Modification referred to in paragraph 7.1 is the result of Planned Works proposed by the Party which has received a request for advice or assistance, that Party shall provide such advice and assistance free of charge. If a Modification referred to in paragraph 7.1 is or may be proposed by the Party requesting advice or assistance, or a User, or if the advice and assistance is in respect of a New Connection Site, the Party may charge NGET Reasonable Charges for such advice and assistance.																															X	X	X																	
7.3	When giving advice and assistance pursuant to paragraph 7.1, each Party shall comply with Good Industry Practice.																															X	X	X																	
8	COORDINATION OF CONSTRUCTION PROJECTS																																																		
8.1	Where a Construction Project involves Works being undertaken by more than one Party, each Transmission Owner which is party to a TO Construction Agreement in respect of the Construction Project and NGET (together referred to as "Joint Project Parties") shall throughout the construction and commissioning of the Construction Project:																																																		
8.1.1	co-operate and assist each other in the development of co-ordinated TO Construction Programmes and, in the case of NGET, any other planning or analysis it undertakes in respect of the Construction Project;																																																		
8.1.2	provide each other from time to time with relevant information to the extent that such information may materially affect the Works of such other Joint Project Parties;																																																		
8.1.3	meet from time to time, if so requested by another Joint Project Party, to agree arrangements to facilitate such development; and																																																		

Section D

		01-1	02-1	03-1	04-1	04-2	04-3	04-4	04-5	06-1	06-2	06-3	06-4	08-1	08-2	08-3	08-4	09-1	09-2	10-1	11-1	11-2	11-3	12-1	13-1	14-1	14-2	14-3	16-1	17-1	18-1	18-2	18-3	18-4	18-6	19-2	19-3	19-4	19-6	20-1	22-1														
		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Datalink Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Change Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting Data requirements for charging Consultations	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process & Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning															
13	ACCESS																																																						
13.1	The provisions relating to access to Transmission Owner's Sites by Users and to User's Sites by Transmission Owners, are set out in the Interface Agreement between such Transmission Owner and User.																																																						
13.2	In addition to the provisions relating to access referred to in paragraph 13.1, where a Transmission Owner Site contains exposed HV conductors, unaccompanied access will only be granted to individuals holding an Authority for Access issued by the Transmission Owner. The procedure for applying for authority for Access is contained in the Interface Agreement.																																																						
14	DISCONNECTION AND REMOVAL OF TRANSMISSION CONNECTION ASSETS																																																						
14.1	NGET shall provide six months notice to a Transmission Owner of the date that NGET intends to permanently disconnect User Equipment which is connected to such Transmission Owner's Transmission System.																																																						
14.2	NGET may provide a Transmission Owner with more than six months notice of an intended permanent disconnection of User Equipment connected to such Transmission Owner's Transmission System only where NGET has obtained the prior consent of the relevant User to give such longer notice.																																																						
14.3	Where NGET permanently disconnects a User which was connected to a Transmission Owner's Transmission System:																																																						
14.3.1	NGET shall procure that such User removes any of the User Equipment on such Transmission Owner's land within six months of the date of disconnection under paragraph 14.1 or such longer period as may be agreed between the User and such Transmission Owner; and																																																						
14.3.2	such Transmission Owner shall remove any of the Transmission Owner Connection Assets on the land of the User concerned within six months of termination under paragraph 14.1 or such longer period as may be agreed between the User and such Transmission Owner.																																																						
14.4	Each Transmission Owner shall give, and NGET shall procure, that any relevant User gives, such rights to access land as are reasonably required in order to facilitate the removal of User Equipment and Transmission Owner Connection Assets pursuant to this paragraph 13.																																																						
14.5	NGET shall not be in breach of its obligation to provide notice pursuant to 14.1 to the extent that any failure or delay in giving notice to a Transmission Owner was caused by a failure or delay by the relevant User in providing notice to NGET under the CUSC.																																																						
PART THREE: TEC EXCHANGE																																																							
1	TEC EXCHANGE PROCESS																																																						
1.1	If NGET considers it may be necessary, it shall submit a NGET TEC Exchange Rate Application in accordance with paragraph 1.2 to:																																																						
1.1.1	the Transmission Owner, if any, whose Transmission System is located at the Relevant Connection Site of the Increasing User or the Decreasing User;																																																						
1.1.2	any Transmission Owner in relation to whose Transmission System the Relevant Connection Site of the Increasing User or the Decreasing User satisfies the criteria set out in Schedule Four; and																																																						
1.1.3	any Transmission Owner which does not receive a NGET TEC Exchange Rate Application pursuant to sub-paragraphs 1.1.1 or 1.1.2, but which:																																																						
1.1.3.1	otherwise receives TEC Exchange Planning Assumptions pursuant to paragraph 2.1 or 2.2 in relation to the Relevant Connection Site of the Increasing User or the Decreasing User; or																																																						
1.1.3.2	NGET otherwise identifies is likely to be required to calculate a TEC Exchange Rate in respect of the Exchange Rate Request, (NGET and each Transmission Owner which receives a NGET TEC Exchange Rate Application shall be referred to in this Section as a "TEC Exchange Party").																																																						
1.2	NGET shall submit a NGET TEC Exchange Rate Application:																																																						
1.2.1	pursuant to sub-paragraphs 1.1.1 and 1.1.2, as soon as reasonably practicable, and in any event within three Business Days of the User Application Date in relation to such Relevant Connection Site of the Increasing User or the Decreasing User.																																																						
1.2.2	pursuant to sub-paragraph 1.1.3, at the same time as TEC Exchange Planning Assumptions are submitted to a Transmission Owner under paragraph 2.2 or, where applicable, at the same time as NGET gives a Transmission Owner notice under paragraph 2.3.																																																						
1.3	For the purposes of this Section D, Part Three, a NGET TEC Exchange Rate Application shall be deemed to be effective if it is complete and clear in all material respects.																																																						
1.4	If a Transmission Owner reasonably considers that a NGET TEC Exchange Rate Application is not effective it shall, as soon as reasonably practicable and in any event within five Business Days of receipt of the NGET TEC Exchange Rate Application, notify NGET of:																																																						
1.4.1	the detailed reasons why it considers the NGET TEC Exchange Rate Application is incomplete or unclear in a material respect; and																																																						
1.4.2	and shall otherwise use its best endeavours to liaise with and assist NGET (and, where reasonably requested by NGET, any relevant third parties) so that the NGET TEC Exchange Rate Application is made effective as soon as reasonably practicable. Any dispute in relation to the effectiveness of a NGET TEC Exchange Rate Application may be referred to the Authority in accordance with Section H, paragraph 4.1.																																																						
1.5	NGET shall immediately notify each other TEC Exchange Party following:																																																						
1.5.1	any change in the NGET TEC Exchange Rate Application or associated information provided to such TEC Exchange Party; or																																																						

Section E		01-1	02-1	03-1	04-1	04-2	04-3	04-4	04-5	06-1	06-2	06-3	06-4	08-1	08-2	08-3	08-4	09-1	09-2	10-1	11-1	11-2	11-3	12-1	13-1	14-1	14-2	14-3	16-1	17-1	18-1	18-2	18-3	18-4	18-6	19-2	19-3	19-4	19-6	20-1	22-1								
		Operational Switching	Alarm and Event Management	Post Event Analysis and Reporting	Real Time Data Change Management	Real Time Datalink Management	Real Time Data Provision	Provision of Asset Operational Information	Operational Telephony	Black Start	De-synchronised Island Management	System Incident Management	Contingency Arrangements	Protection Testing	Circuit Live Trip and DAR Tests	Operational Tests and System Tests	User Tests	Safety Co-ordination between Parties	Public and Site Safety	Asset Nomenclature	Outage Planning	Outage Data Exchange	TO Outage Exchange Costing	Data Exchange Mechanism	Invoicing and Payment	Data Exchange for Annual Charging Setting	Data Requirements for Charging	Customer Charging Enquiries	Investment Planning	Feasibility Study	Connection and Modification Application	Use of System Application	TEC Changes	Request for a Statement of Works	Variation to Agreements	Construction Process and Scheme Closure	Operational Notification & Compliance Testing	Commissioning and Decommissioning	Application Fee	Seven Year Statement	Production of Models for GB System Planning								
3.1	Each Party entitled to receive payment under this Code or a TO Construction Agreement, including, for the avoidance of doubt, a Transmission Owner entitled to receive TO Charges ("Receiving Party"), shall invoice the Party required to make such payment to the Receiving Party ("Paying Party") in accordance with the provisions of this Section E, unless otherwise specified in this Code, or such TO Construction Agreement or agreed between the Receiving Party and the Paying Party.																								X																								
3.2	Other than in respect of TO Charges, the arrangements in relation to which are set out in paragraph 3.3 below, a Receiving Party shall despatch an invoice to the relevant Paying Party:																									X																							
3.2.1	not less than thirty days prior to the due date for payment where such due date is specified or otherwise agreed between the Receiving Party and Paying Party; or																									X																							
3.2.2	not less than thirty days after the date on which such payment accrued, where such due date is not specified or otherwise agreed between the Receiving Party and Paying Party, and the Paying Party shall make such payment																									X																							
(i)	by the specified or otherwise agreed due date in the case of invoices received under sub-paragraph 3.2.1; or																									X																							
(ii)	within thirty days of the date of the Receiving Party's invoice under sub-paragraph 3.2.2.																									X																							
3.3	NGET shall pay TO Charges and all other payments due under a TO Construction Agreement to Transmission Owners, in the following manner:																									X																							
3.3.1	in the case of recurrent monthly TO Charges or other payments, on the later of:																									X																							
3.3.1.1	the 15th day following the day that the Transmission Owner's invoice therefor was despatched; and																									X																							
3.3.1.2	the 16th day of the month to which the invoiced TO Charges or other payments relate, unless, in any such case, such payment day is not a Business Day in which case payment shall be made on the next Business Day; or																									X																							
3.3.2	where TO Charges or other payments are payable other than monthly, within thirty days of the date of the Transmission Owner's invoice therefor.																									X																							
3.4	The dates for payment as set out in paragraphs 3.2(i) and (ii), 3.3.1.1 and 3.3.1.2 and 3.3.2 above shall constitute, in each case, the "Due Date" for the purposes of this Section E.																										X																						
3.5	All payments including, without limitation, TO Charges under this Section E shall be made in Pounds Sterling by the variable direct debit method, or such other form of bankers automated payment or other payment method or currency as shall be approved by the relevant Receiving Party, to the account number, bank and branch as the Receiving Party may from time to time notify to the relevant Paying Party.																										X																						
3.6	Each Receiving Party shall provide such bank account information as a Paying Party reasonably requires from time to time in order to process payments to such Receiving Party in accordance with this Section E or otherwise under this Code or a TO Construction Agreement.																										X																						
3.7	All payments payable under this Code and each TO Construction Agreement are (unless otherwise specified in this Code, such TO Construction Agreement or agreed between the relevant Receiving Party and Paying Party) exclusive of VAT, which shall be added to such payments, if applicable at the rate applicable at such time. All invoices issued by Parties pursuant to this Section E shall be valid VAT invoices and shall set out the requisite details of the taxable supply to which the given invoice relates.																										X																						
3.8	All payments under this Code shall (except to the extent otherwise required by law) be paid in full, free and clear of and without deduction set off or deferment, save as otherwise agreed by the Receiving Party and Paying Party or pursuant to a direction, other decision or award following a Dispute referred under paragraph 4.1 below.																										X																						
3.9	Nothing in this Section E shall be construed as preventing a Receiving Party from withdrawing and replacing (without affecting the Due Date for payment) any invoice or associated statement before the Due Date for payment of such invoice, by agreement with the relevant Paying Party, where the Receiving Party is aware of any error in such invoice or associated statement.																										X																						
4	DISPUTES																																																
4.1	Any disputes arising out of or in relation to TO Charges or other payments under a TO Construction Agreement, this Code or otherwise pursuant to this Section E, may be referred to the Authority as a Dispute in accordance with Section H, paragraph 4.1 of this Code.																																																
4.2	If a Paying Party disputes any amount shown in an invoice or statement as payable by it in respect of any TO Charges or other payments payable under a TO Construction Agreement or otherwise under this Section E, the Paying Party shall nevertheless pay the amount shown in full and may not withhold payment or any part thereof, but without prejudice to the Paying Party's right subsequently to refer such invoice or statement as a Dispute pursuant to paragraph 4.1 above.																																																
5	INTEREST ON LATE PAYMENT																																																
5.1	If any charges or payments payable under this Code or a TO Construction Agreement are not paid on or before the Due Date, unless otherwise specified in this Code, such TO Construction Agreement or otherwise agreed between the relevant Receiving Party and Paying Party, the Paying Party shall pay interest at the Default Interest Rate on the unpaid charge or payment from the Due Date until the day on which payment is made.																																																

Section G

		01-1	Operational Switching
		02-1	Alarm and Event Management
		03-1	Post Event Analysis and Reporting
		04-1	Real Time Data Change Management
		04-2	Real Time Datalink Management
		04-3	Real Time Data Provision
		04-4	Provision of Asset Operational Information
		04-5	Operational Telephony
		06-1	Black Start
		06-2	De-synchronised Island Management
		06-3	System Incident Management
		06-4	Contingency Arrangements
		08-1	Protection Testing
		08-2	Circuit Live Trip and DAR Tests
		08-3	Operational Tests and System Tests
		08-4	User Tests
		09-1	Safety Co-ordination between Parties
		09-2	Public and Site Safety
		10-1	Asset Nomenclature
		11-1	Outage Planning
		11-2	Outage Data Exchange
		11-3	TO Outage Change Costing
		12-1	Data Exchange Mechanism
		13-1	Invoicing and Payment
		14-1	Data Exchange for Annual Charging Setting
		14-2	Data requirements for Charging Consultations
		14-3	Customer Charging Enquiries
		16-1	Investment Planning
		17-1	Feasibility Study
		18-1	Connection and Modification Application
		18-2	Use of System Application
		18-3	TEC Changes
		18-4	Request for a Statement of Works
		18-6	Variation to Agreements
		19-2	Construction Process and Scheme Closure
		19-3	Operational Notification & Compliance Testing
		19-4	Commissioning and Decommissioning
		19-6	Application Fee
		20-1	Seven Year Statement
		22-1	Production of Models for GB System Planning
17.2	Each Party irrevocably waives any objection which it may have now or hereafter to the laying of the venue of any Proceedings in any such court as is referred to in this paragraph 17 and any claim that any such Proceedings have been brought in an inconvenient forum and further irrevocably agrees that judgement in any Proceedings brought in the courts of England and Wales or the courts of Scotland shall be conclusive and binding upon such Party and may be enforced in the courts of any jurisdiction.		
17.3	For the avoidance of doubt, nothing contained in paragraphs 17.1 and 17.2 above shall be taken as permitting a Party to commence Proceedings in the courts where the Code otherwise provides for Proceedings to be referred to arbitration or to the Authority.		