

NATIONAL GRID ELECTRICITY TRANSMISSION
plcSYSTEM OPERATOR LIMITED

THE CONNECTION & USE OF SYSTEM

CODE TABLE OF CONTENTS

INTRODUCTION

**SECTION 1 - APPLICABILITY OF SECTIONS AND RELATED
AGREEMENTS STRUCTURE**

- 1.1 Introduction
- 1.2 Applicability
- 1.3 Bilateral Agreements, Construction Agreements and Mandatory Services Agreements
- 1.4 Categories of Use Without Bilateral Agreements
- 1.5 Bella Application
- 1.6 Authority's Right to Determine in Respect of a Bella

SECTION 2 - CONNECTION

- 2.1 Introduction

PART I - GENERAL

- 2.2 Being Operational, Connection and Energisation
- 2.3 Export of Power from Connection Site
- 2.4 Import of Power to Connection Site
- 2.5 Maintenance of Assets
- 2.6 Outages
- 2.7 Special Automatic Facilities
- 2.8 Protection and Control Relay Settings / Fault Clearance Times
- 2.9 Other Site Specific Technical Conditions
- 2.10 Safety Rules

- 2.11 Interface Agreement
- 2.12 Principles of Ownership
- 2.13 New Connection Sites

PART II - CONNECTION CHARGES

- 2.14 Connection Charges
- 2.15 Revision of Charges
- 2.16 Data Requirements
- 2.17 Replacement of Transmission Connection Assets
- 2.18 Termination Amounts - Re-Use

PART III - CREDIT REQUIREMENTS

- 2.19 Security for Termination Amounts
- 2.20 Provision of Security for Termination Amounts where User meets Credit Rating
- 2.21 Provision of Security for Termination Amounts where User does not meet Credit Rating
- 2.22 Types of Security

SECTION 3 - USE OF SYSTEM

- 3.1 Introduction

PART IA - GENERAL - GENERATION

- 3.2 Rights to Use the GB Transmission System
- 3.3 Other Site Specific Technical Conditions for Embedded Power Stations and Distribution Interconnectors

PART IB - GENERAL - SUPPLY

- 3.4 Rights to Use the GB Transmission System
- 3.5 Supplier Customer Details
- 3.6 Suppliers of Non-Embedded Customers
- 3.7 Use of System Application
- 3.8 Termination Provisions

PART II - USE OF SYSTEM CHARGES

PART IIA - GENERAL

3.9 Use of System Charges

PART IIB - TRANSMISSION NETWORK USE OF SYSTEM CHARGES

3.10 Data Requirements

3.11 Variation of Forecasts during the Financial Year

3.12 Validation of Demand Forecasts

3.13 Reconciliation Statements

3.14 Revision of Charges

3.15 Forecast of Transmission Network Use of System Charges

PART IIC - BALANCING SERVICES USE OF SYSTEM CHARGES

3.16 Introduction

3.17 Reconciliation

3.18 [No heading]

3.19 [No heading]

3.20 Reconciliation Payments

3.21 Revision of Charges

3.21 [No heading]

PART III - CREDIT REQUIREMENTS

3.22 BSUOS Charges and TNUOS Demand Charges: Provision of Security Cover

3.23 Credit Monitoring

3.24 Payment Default

3.25 Utilisation of Funds

3.26 User's Right to Withdraw Funds

3.27 User's Allowed Credit

3.28 Transitional Arrangements

Appendix 1 Credit Arrangements

SECTION 4 - BALANCING SERVICES

- 4.1 Mandatory Ancillary Services
- 4.2 Maximum Generation
- 4.2A Other Balancing Services
- 4.3 Payments for Balancing Services
- 4.4 Charging Principles
- 4.5 Indexation

**SECTION 5 - EVENTS OF DEFAULT, DEENERGISATION AND
DISCONNECTION**

- 5.1 Duration and Termination
- 5.2 Emergency Deenergisation
- 5.3 Generic Events of Default and Deenergisation
- 5.4 Site Specific Deenergisation and Disconnection
- 5.5 Balancing Services Use of System Charges: Events of Default
- 5.6 Notice to Disconnect
- 5.7 Disconnection
- 5.8 Not Used
- 5.9 Non-Embedded Customers
- 5.10 Relevant Interruptions

SECTION 6 - GENERAL PROVISIONS

- 6.1 Introduction
- 6.2 The Company Obligations
- 6.3 Compliance with Grid Code / Distribution Code
- 6.4 Joint System Incidents

6.5	Obligations of Users Who Own or Operate Distribution Systems
6.6	Payment
6.7	Metering
6.8	Balancing Mechanism Requirements
6.9	Modifications
6.10	General Provisions Concerning Modifications and New Connection Sites
6.11	Nuclear Installations
6.12	Limitation of Liability
6.13	Additional CUSC Parties
6.14	Transfer and Subcontracting
6.15	Confidentiality
6.16	Data
6.17	Provision of Data
6.18	Intellectual Property
6.19	Force Majeure
6.20	Waiver
6.21	Notices
6.22	Third Party Rights
6.23	Jurisdiction
6.24	Counterparts
6.25	Governing Law
6.26	Severance of Terms
6.27	Language
6.28	MCUSA
6.29	BSC
6.30	Revision of Transmission Entry Capacity
6.32	Limited Duration Transmission Entry Capacity

6.33 Change from “NGC” to “The
Company” 6.34 Temporary TEC
Exchanges 6.35 Embedded MW Register
6.36 Transmission Works Register
Appendix 1 - Communications Plant
Appendix 2 - Operating Metering

SECTION 7 - DISPUTE RESOLUTION

- 7.1 Introduction
- 7.2 Disputes
- 7.3 Charging Disputes
- 7.4 Other Disputes
- 7.5 Third Party Claims

Comment [NG1]: No changes

SECTION 8 - CUSC MODIFICATION

Part A

- 8.1 Introduction

Part B

- 8.2 Code Administrator
- 8.3 The CUSC Modifications Panel
- 8.4 Appointment of Panel Members
- 8.5 Term of Office
- 8.6 Removal from Office
- 8.7 Alternates
- 8.8 Meetings
- 8.9 Proceedings at Meetings
- 8.10 Quorum
- 8.11 Voting

8.12 Protections for Panel Members

Part C

8.13 CUSC Modification Register

8.14 Progress Report

8.15 Change Co-ordination

8.16 CUSC Modification Proposals

8.17 Significant Code Review

8.18 CUSC Modification Proposal Evaluation

8.19 Panel Proceedings

8.20 Workgroups

8.21 Standing Groups

8.22 The Code Administrator Consultation

8.23 CUSC Modification Report

8.24 Urgent CUSC Modification Proposals

8.25 Self-Governance

8.26 Confidentiality

8.27 Implementation

Annex 8A Election of Users' Panel Members

SECTION 9 - INTERCONNECTORS

9.1 Introduction

PART I – CONNECTION TO THE GB TRANSMISSION SYSTEM BY
INTERCONNECTOR OWNERS

9.2 Connection – Introduction

9.3 Being Operational, Connection and Energisation

9.4 Export of Power from the Interconnector Connection Site

9.5 Import of Power to the Interconnector Connection Site

9.6 [no heading]

- 9.7 Maintenance of Transmission Connection Assets
- 9.8 Outages
- 9.9 Connection Charges
- 9.10 Use of System Charges - Transmission Network Use of System Charges
- 9.11 Special Automatic Facilities
- 9.12 Protection and Control Relay Settings / Fault Clearance Times
- 9.13 Other Site Specific Technical Conditions
- 9.14 Safety Rules
- 9.15 Interface Agreement
- 9.16 Principles of Ownership
- 9.17 Event of Default
- 9.18 New Connection Sites
- PART II – USE OF THE GB TRANSMISSION SYSTEM BY
INTERCONNECTOR USERS AND INTERCONNECTOR ERROR
ADMINISTRATORS
- 9.19 Introduction
- 9.20 Rights to Use the GB Transmission System
- 9.21 Use of System Application
- 9.22 Use of System Charges - Balancing Services Use of System Charges
- 9.23 Termination and Related Provisions

SECTION 10 - ~~NOT USED, REMOVED ON 15TH FEBRUARY 2007~~
~~DEDICATED TO~~ TRANSITIONAL ISSUES

Part1 CUSC MODIFICATION PROPOSAL 223 (WACM1 and WACM2)
TRANSITION

Part 2 CUSC MODIFICATION PROPOSAL CMP293 and CMP294 (Modifications
relating to the transfer of the system operator functions from National Grid
Electricity Transmission plc to National Grid Electricity System Operator
Limited) Transition

SECTION 11 - INTERPRETATION AND DEFINITIONS

11.1 Introduction

11.2 Interpretation and Construction

11.3 Definitions

SECTION 12 - BETTA TRANSITION ISSUES

12.1 Introduction

12.2 GB CUSC Transition

12.3 Cut-over

Comment [NG2]: No changes

SECTION 13 - ENABLING WORKS

13.1 Introduction

13.2 Enabling Works

13.3 MITS Map

13.4 Report

SECTION 14 - CHARGING METHODOLOGIES

Part I The Statement of the Connection Charging Methodology

Part II The Statement of the Use of System Charging Methodology

Comment [NG3]: No changes

SECTION 15 - USER COMMITMENT METHODOLOGY

Part One Introduction

Part Two Calculation of Cancellation Charge

Part Three Calculation of Cancellation Charge Secured Amount and Credit Requirements

Part Four Reconciliation of Actual Attributable Works Cancellation Charge

SCHEDULES

Schedule 1 - List of Users

Comment [NG4]: No changes

Schedule 2 - Exhibit 1 - Bilateral Connection Agreement

Exhibit 2 - Bilateral Embedded Generation Agreement

Exhibit 3 - Construction Agreement Exhibit

3A - Offshore Construction Agreement

Exhibit 4 - Mandatory Services Agreement

Exhibit 5 - BELLA

Exhibit 6 - Transmission Related Agreement

Schedule 3 - Balancing Services Market Mechanisms - Reactive Power

Comment [NG5]: No change

EXHIBITS

Exhibit A - CUSC Accession Agreement

Exhibit B - Connection Application

Exhibit C - Connection Offer

Exhibit D - Generators etc. Use of System Application

Exhibit E - Generators etc. Use of System Offer

Exhibit F - Suppliers etc Use of System Application

Exhibit G - Use of System Supply Offer and
Confirmation Notice

Exhibit H - Use of System Interconnector Offer and
Confirmation Notice

Exhibit I - Modification Application

Exhibit J - Modification Offer

Exhibit K - Modification Notification

Exhibit L - Bi-Annual Estimate for Bilateral
Agreement

Comment [NG6]: No changes

Exhibit M - Secured Amount Statement

Exhibit N - Notice of Drawing

Exhibit O - Interface Agreements

Exhibit O Part IB, Part IC, Part IIB and Part IIC

Exhibit P - STTEC Request Form

Exhibit Q - BELLA Application

Exhibit R	-	BELLA Offer
Exhibit S	-	The Connection and Use of System Code – LDTEC Request Form
Exhibit T	-	LDTEC Availability Notification
Exhibit U	-	Request for a Statement of Works User that owns or operates a Distribution System
Exhibit W	-	Temporary TEC Exchange Rate Request Form
Exhibit X	-	Temporary TEC Exchange Notification of Interest Form

Comment [NG7]: Also changes to Exhibit V

Comment [NG8]: No changes

End of Table of Contents