

**NATIONAL GRID ELECTRICITY SYSTEM 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

## **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 - 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

## **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

## **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

## **SECTION 16 – QUEUE MANAGEMENT PROCESS**

- 16.1 Introduction (Paragraph 1)
- 16.2 Introduction (Paragraph 2)
- 16.3 The User Progression Milestones and Evidence
- 16.4 Project Milestone Communications
- 16.5 Exceptional Issues on User progression Milestones
- 16.6 Implementation

## **SCHEDULES**

- Schedule 1 - List of Users
- 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

## **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
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

**End of Table of Contents**