

All Recipients of the Serviced Grid Code

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Dear Sir/Madam

THE SERVICED GRID CODE – ISSUE 4 REVISION 11

Revision 11 of Issue 4 of the Grid Code has been approved by the Authority for implementation on **16th March 2012**.

I have enclosed the replacement pages that incorporate the agreed changes necessary to update the Grid Code Issue 4 Revision 10 to Revision 11 standard.

The enclosed note provides a brief summary of the changes made to the text.

Yours faithfully,

Lucy Hudson
Code Coordinator
Electricity Codes

THE GRID CODE – ISSUE 4 REVISION 11

INCLUSION OF REVISED PAGES

Title Page

Glossary & Definitions

GD

Page 10

Revisions

NOTE:

See Page 1 of the Revisions section of the Grid Code for details of how the revisions are indicated on the pages.

NATIONAL GRID ELECTRICITY TRANSMISSION PLC

THE GRID CODE – ISSUE 4 REVISION 11

SUMMARY OF CHANGES

The changes arise from the implementation of modifications proposed in the following Consultation Paper:

H/11 - Data Validation, Defaulting And Consistency Rules

Summary of Proposal

This modification updates the version reference within the Grid Code for the Data Validation, Consistency & Defaulting Rules document from version 7 (dated 11th October 2004) to version 8 (dated 25th January 2012).

The categories of Users affected by this revision to the Grid Code are:

- All Users of the Grid Code

THE GRID CODE

Issue 4 Revision 11

16th March 2012

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Contingency Reserve The margin of generation over forecast **Demand** which is required in the period from 24 hours ahead down to real time to cover against uncertainties in **Large Power Station** availability and against both weather forecast and **Demand** forecast errors.

Control Calls A telephone call whose destination and/or origin is a key on the control desk telephone keyboard at a **Transmission Control Centre** and which, for the purpose of **Control Telephony**, has the right to exercise priority over (ie. disconnect) a call of a lower status.

Control Centre A location used for the purpose of control and operation of the **National Electricity Transmission System** or **DC Converter Station** owner's **System** or a **User System** other than a **Generator's System** or an **External System**.

Control Engineer A person nominated by the relevant party for the control of its **Plant** and **Apparatus**.

Control Person The term used as an alternative to "**Safety Co-ordinator**" on the **Site Responsibility Schedule** only.

Control Phase The **Control Phase** follows on from the **Programming Phase** and covers the period down to real time.

Control Point The point from which:-

- a) A **Non-Embedded Customer's Plant** and **Apparatus** is controlled; or
- b) A **BM Unit** at a **Large Power Station** or at a **Medium Power Station** or representing a **Cascade Hydro Scheme** or with a **Demand Capacity** with a magnitude of:
 - (i) 50MW or more in **NGET's Transmission Area**; or
 - (ii) 30MW or more in **SPT's Transmission Area**; or
 - (iii) 10MW or more in **SHETL's Transmission Area**,
 - (iv) 10MW or more which is connected to an **Offshore Transmission System**is physically controlled by a **BM Participant**; or
- c) In the case of any other **BM Unit** or **Generating Unit**, data submission is co-ordinated for a **BM Participant** and instructions are received from **NGET**,

as the case may be. For a **Generator** this will normally be at a **Power Station** but may be at an alternative location agreed with **NGET**. In the case of a **DC Converter Station**, the **Control Point** will be at a location agreed with **NGET**. In the case of a **BM Unit** of an **Interconnector User**, the **Control Point** will be the **Control Centre** of the relevant **Externally Interconnected System Operator**.

<u>Control Telephony</u>	The principal method by which a User's Responsible Engineer/Operator and NGET Control Engineer(s) speak to one another for the purposes of control of the Total System in both normal and emergency operating conditions.
<u>CUSC</u>	Has the meaning set out in NGET's Transmission Licence
<u>CUSC Contract</u>	One or more of the following agreements as envisaged in Standard Condition C1 of NGET's Transmission Licence : (a) the CUSC Framework Agreement ; (b) a Bilateral Agreement ; (c) a Construction Agreement or a variation to an existing Bilateral Agreement and/or Construction Agreement ;
<u>CUSC Framework Agreement</u>	Has the meaning set out in NGET's Transmission Licence
<u>Customer</u>	A person to whom electrical power is provided (whether or not he is the same person as the person who provides the electrical power).
<u>Customer Demand Management</u>	Reducing the supply of electricity to a Customer or disconnecting a Customer in a manner agreed for commercial purposes between a Supplier and its Customer .
<u>Customer Demand Management Notification Level</u>	The level above which a Supplier has to notify NGET of its proposed or achieved use of Customer Demand Management which is 12 MW in England and Wales and 5 MW in Scotland.
<u>Customer Generating Plant</u>	A Power Station or Generating Unit of a Customer to the extent that it operates the same exclusively to supply all or part of its own electricity requirements, and does not export electrical power to any part of the Total System .
<u>Data Registration Code or DRC</u>	That portion of the Grid Code which is identified as the Data Registration Code .
<u>Data Validation, Consistency and Defaulting Rules</u>	The rules relating to validity and consistency of data, and default data to be applied, in relation to data submitted under the Balancing Codes , to be applied by NGET under the Grid Code as set out in the document "Data Validation, Consistency and Defaulting Rules" - Issue 8, dated 25 th January 2012. The document is available on the National Grid website or upon request from NGET .
<u>DC Converter</u>	Any Onshore DC Converter or Offshore DC Converter .

REVISIONS

(This section does not form part of the Grid Code)

NGET's Transmission Licence sets out the way in which changes to the Grid Code are to be made and reference is also made to NGET's obligations under the General Conditions.

All pages re-issued have the revision number and date of the revision on the lower right hand corner of the page. The changes to the text since the previous page issue are indicated by a vertical line to the right hand side of the text. Where repagination or repositioning of the text on other pages has been found necessary but the text itself has remained unchanged the re-issued pages have only the revision number and date of the revision included.

The Grid Code was introduced in March 1990 and this first issue was revised 31 times. In March 2001 the New Electricity Trading Arrangements were introduced and Issue 2 of the Grid Code was introduced which was revised 16 times. At British Electricity Trading and Transmission Arrangements (BETTA) Go-Active Issue 3 of the Grid Code was introduced and subsequently revised 35 times. At Offshore Go-active Issue 4 of the Grid Code was introduced.

The following 'index to revisions' provides a checklist to the pages and sections of the Grid Code changed by each revision to Issue 4 of the Grid Code.

All inquiries in relation to revisions to the Grid Code, including revisions to Issues 1, 2, 3 and 4, should be addressed to the Grid Code development team at the address given at the front of the Grid Code.

Revision 1Effective Date: 10th February 2010

CODE	PAGE	CLAUSE
CC.A.5	80	CC.A.5.1.1 (b) replaced
CC.A.5	81	CC.A.5.3.2 added
CC.A.5	81-82	CC.A.5.5.1 amended
OC.6	8	OC6.6.1 amended
DRC	51	Schedule 12 table amended
DRC	51	Schedule 12A table added

Revision 2Effective Date: 22nd March 2010

CODE	PAGE	CLAUSE
G & D	8	Definition for “Commercial Boundary” added
G & D	40	Definitions for “Reactive Despatch Instruction” and “Reactive Despatch Network Restriction” added
BC2	14	Clause BC2.8.5 added
BC2	30	Clause B2.A.3.2(a) amended
BC2	32	Annex 2 amended
BC2	33	Annex 3 added
PC.A.3	30	Clause PC.A.3.1.3 amended
PC.A.3	31	Clause PC.A.3.2.1(b) amended
PC.A.3	32	Clause PC.A.3.2.2(c) amended
PC.A.3	33	Clause PC.A.3.2.2(f) amended
OC2	31 & 32	Appendix 1 and 2 amended
DRC	48	Schedule 11 amended

Revision 3Effective Date: 6th September 2010

CODE	PAGE	CLAUSE
CC6	18	Clause CC6.3.2 (a) amended

CODE	PAGE	CLAUSE
G&D	12	Definitions for “DPD I” and “DPDII” added and definition for “Detailed Planning Data” amended
PC.4	9 & 10	PC.4.4.2 amended
PC.4	10	PC.4.4.4 amended
PC.A.1	17	PC.A.1.4 amended
PC.A.5	45	PC.A.5.1.5 added
DRC	1	DRC 1.5 - New section and text
DRC	2	DRC 4.3.1 amended
DRC	9-22	DRC Schedule 1 amended
DRC	23-25	DRC Schedule 2 amended
DRC	30-38	DRC Schedule 5 amended
DRC	49-50	DRC Schedule 12 amended
DRC	57-59	DRC Schedule 15 amended
DRC	60	DRC Schedule 16 amended

CODE	PAGE	CLAUSE
G&D	Various	Definitions added for: “Interface Point Capacity”, “Offshore Development Information Statement”, “Offshore Tender Process”, “Offshore Works Assumptions”, “OTSDUW”, “OTSDUW Arrangements”, “OTSDUW Data and Information”, “OTSDUW DC Converter”, “OTSDUW Development and Data Timetable”, “OTSDUW Network Data and Information”, “OTSDUW Plant and Apparatus”, “OTSUA”, “OTSUA Transfer Time”, “Transmission Interface Point” and “Transmission Interface Site”
G&D	Various	Definitions amended for: “Low Voltage”, “Gas Zone Diagram”, “Network Operator”, “Offshore Transmission System”, “Operation Diagrams” and “Site Common Drawings”
PC.1	3-4	Clauses PC.1.1 and 1.4 amended and Clauses PC.1.1A and PC.1.1B added

PC.2	5-6	Clause PC.2.1 amended
PC.3	6-8	Clauses PC.3.1 and 3.4 amended
PC.4	10-12	Clauses PC.4.2, 4.3 and 4.4 amended
PC.5	14-15	Clause PC.5.4 amended
PC.6	15-16	Clause PC.6.1 Amended. Clauses PC.6.4 to 6.7 added
PC.7	17-18	Clauses 7.5, 7.6 and 7.7 amended
PC.8	18-19	Clause PC.8 added
PC.A.1	19-22	Clause PC.A.1.4 amended
PC.A.2	23-30	Clause PC.A.2.1 and 2.2 amended
PC.A.3	33, 35 & 38	Clause PC.A.3.1, 3.2 and 3.3 amended
PC.A.4	40	Clause PC.A4.1 amended
PC.A.5	56-61	Clause PC.A.5.4 amended
PC.A.6	65-69	Clauses PC.A.6.2 to 6.6 amended
PC.A.7	69-70	Clause PC.A.7 amended
PC.A.8	71-73	Clauses PC.A.8, 8.1, 8.2 and 8.3 amended
PC.F	83-85	Planning Code Appendix F added
CC.1	1	Clause CC.1.1 amended
CC.2	1	Clauses CC.2.2 – 2.4 added
CC.3	1	Clause CC.3.1 amended
CC.5	5	Clause CC.5.2 amended
CC.6	6-44	Clauses CC.6.1, 6.2, 6.3, 6.5 and 6.6 amended
CC.7	44-50	Clauses CC.7.2, 7.4 and 7.5 amended
CC.8	52	Clause CC.8.1(b) amended
CC.A.1	54	Clause CC.A.1.1 amended
CC.A.3	68-69	Clause CC.A.3.1 amended
CC.A.4A	73 -74	Clauses CC.A.4A.2 and 4A.3 amended
CC.A.7	88-93	Clauses CC.A.7.1 and A.7.2 amended
DRC	2	Schedule 11 note 3 amended

OC.11	2-5	Clauses OC.11.1, 11.2, 11.3 and 11.4 amended
GC.4	3	Clause GC.4.5 Amended

Revision 6

Effective Date: 18th July 2011

CODE	PAGE	CLAUSE
G&D	Various	Definitions added: "External Interconnection Circuit", "Interconnector Export Capacity", "Interconnector Import Capacity" and "Interconnector Owner". Definitions amended "Final Generation Outage Programme", "Offshore Grid Entry Point", "Onshore Grid Entry Point" and "Output Useable or OU".
OC2	2-26	Clauses OC2.1, OC2.2, OC2.3 and OC2.4 amended
CC.6	6, 7 & 37	Clauses CC.6.1.3, CC.6.1.4 and CC.6.3.15 amended

Revision 7

Effective Date: 12th August 2011

CODE	PAGE	CLAUSE
OC9	4 & 9	Clauses OC9.4.6 and OC9.4.7.9 amended

Revision 8

Effective Date: 23rd September 2011

CODE	PAGE	CLAUSE
CC6	42 & 43	Clause CC6.5.8 amended
BC2	9 & 25	Clause BC2.6.1 and BC2.A.2.3 amended

Revision 9

Effective Date: 4th November 2011

CODE	PAGE	CLAUSE
OC7	14	Clause OC7.4.8.3 amended

Revision 10

Effective Date: 3rd January 2012

CODE	PAGE	CLAUSE
BC2	14	Clause BC2.8.5 amended
G&D	45	Definition added: "Reactive Despatch to Zero MVAR Network Restriction" Definition amended: "Reactive Despatch Network Restriction"

Revision 11

Effective Date: 16th March 2012

CODE	PAGE	CLAUSE
G&D	10	Definition amended: "Data Validation, Consistency and Defaulting Rules"