nationalgrid

G/11 Grid Code Housekeeping Modifications

What stage is this document at?

01	Working Group Report
02	Industry Consultation
03	Report to the Authority

This proposal seeks to modify the Grid Code to address various non-material housekeeping issues identified within the Grid Code.

This document is open for Industry Consultation. Any interested party is able to make a response in line with the guidance set out in Section 5 of this document.

Published on:	**18 November 2011**
Responses by:	**09 December 2011**

High Impact:
None identified

Medium Impact:
None identified

Low Impact:
All Users of the Grid Code

Contents

About this document

This Industry Consultation outlines the information required for interested parties to form an understanding of a defect within the Grid Code and the proposed solutions.

To modify the Grid Code a Modification Proposal must be taken to the Grid Code Review Panel (GCRP). This Modification Proposal will outline the background to the issue, how to address it, any impacts it may have on the industry and a recommendation for the GCRP to proceed to a Working Group or to an Industry Consultation.

The GCRP, based on the Modification Proposal, will determine if any further work or debate is required. If the group feels that the issue could benefit from further examination it will be progressed to a Working Group. Terms of Reference will be created to outline the purpose and scope of the Working Group, as well as any timelines for reporting back to the GCRP. The Working Group will then meet to discuss the issue and produce a Working Group Report. This Working Group Report is then presented to the GCRP to determine if the Terms of Reference have been met and whether a robust solution has been developed to meet the defect within the Grid Code.

If the GCRP feels that the issue has been investigated thoroughly and a robust solution has been developed, the Modification Proposal will progress to an Industry Consultation. Grid Code Industry Consultations last approximately one month but timescales can alter based on the complexity of the issue.

Following the conclusion of the Industry Consultation, a Report to the Authority is produced which takes into account any responses to the Industry Consultation and puts forward recommendations to Authority on how to address the defect within the Grid Code. The Authority then considers the issue and the proposed solutions to make a determination.

Any Questions?

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1 Executive Summary

1.1 This paper proposes changes to address a number of housekeeping issues that have been identified by National Grid and Users. The proposed changes primarily address typographical errors with a few issues regarding formatting also identified.

1.2 The proposal for G/11 'Grid Code Housekeeping Modifications' was brought to the November 2011 GCRP where it was agreed that the issue progress to Industry Consultation for a period of 15 business days.

1.3 Views are invited upon the proposals outlined in this report, which should be received by 09 December 2011. Further information for submitting a response can be found in section 5.

2   Purpose & Introduction

2.1   This document describes the proposed G/11 Modification and seeks views from industry members relating to the proposed changes identified.

2.2   National Grid proposed this Modification and submitted it the GCRP for their consideration on 17th November 2011. The GCRP determined that the proposal should progress to an Industry Consultation for a period of 15 business days.

2.3   An electronic copy of this Industry Consultation can be found on the National Grid website:

http://www.nationalgrid.com/uk/Electricity/Codes/gridcode/consultationpapers/current/

2.4   Representations received in response to this consultation document will be included in National Grid's Report to the Authority which will be furnished to the Authority for their determination.

3   Description of Proposed Modification and its Effects

3.1   This paper proposes changes to address a number of housekeeping issues that have been identified by National Grid and Users. The proposed changes aim to improve clarity by addressing typographical errors that could cause confusion and to improve consistency throughout the Grid Code in the terms used.

3.2   The following sections have had changes proposed that National Grid believes should be treated as housekeeping and the text required to give effect to G/11 is contained in Annex 1 of this document:

- Glossary & Definitions

- Planning Code

- Connection Conditions

- Operating Code 1

- Operating Code 2

- Operating Code 5

- Operating Code 7

- Operating Code 9

- Operating Code 10

- Operating Code 11

- Operating Code 12

- Balancing Code 1

- Balancing Code 2

- Balancing Code 3

- Data Registration Code

- General Conditions

3.3   Along with the specific changes identified in each of the above sections, a number of incorrectly bold punctuations have been identified throughout the Grid Code. These are minor housekeeping issues that have no material impact so the intention is to address these as a whole rather than list the location of each incorrectly bold punctuation mark. The below summary provides an indication of the number of incorrect bold punctuation changes required:

- commas ~ 230

- full stops ~ 330

- brackets ~ 230

- quotation marks ~ 20

3.4   Housekeeping issues with regards to the use of units have also been raised. There are a number of inconsistent uses of the following units:

- MVAr - Mega Volt Ampere Reactive

- kV - kilovolt

3.5   The intention is to align all occurrences of these units throughout the Grid Code to ensure consistency.

3.6   There have also been a number of general formatting issues that have been identified. These general formatting issues relate primarily to aspects such as margins, fonts and general layout of the Grid Code. National Grid does not believe that formatting issues are within the scope of a housekeeping modification and aims to address these in the release of Issue 5 of the Grid Code.

3.7   For the avoidance of doubt, the punctuation changes and consistent use of units have not been identified in the proposed text found in Annex 1. The intention is to seek approval for these to be addressed as a whole rather than identify every individual occurrence in the Grid Code.

4 Impacts & Assessment

4.1 Impact on National Electricity Transmission System (NETS)

National Grid has not identified any impacts that the proposed modification will have on the National Electricity Transmission System.

4.2 Impact on Grid Code Users

National Grid has not identified any impacts that the proposed modification will have on Grid Code Users.

4.3 Impact on Greenhouse Gas emissions

National Grid has not identified any impacts that the proposed modification will have on Greenhouse Gas emissions.

4.4 Assessment against Grid Code Objectives

National Grid considers that G/11 would better facilitate the Grid Code objective:

(i)   to permit the development, maintenance and operation of an efficient, co-ordinated and economical system for the transmission of electricity;

The proposal improves clarity of Grid Code text and therefore better facilitates industry understanding of the Grid Code statements which will better facilitate the development, maintenance and operation of an efficient, co-ordinated and economical system for the transmission of electricity.

(ii)   to facilitate competition in the generation and supply of electricity (and without limiting the foregoing, to facilitate the national electricity transmission system being made available to persons authorised to supply or generate electricity on terms which neither prevent nor restrict competition in the supply or generation of electricity) ; and

The proposal improves clarity of Grid Code text and therefore better facilitates industry understanding of the statements within the Grid Code which will better facilitate competition.

(iii) subject to sub-paragraphs (i) and (ii), to promote the security and efficiency of the electricity generation, transmission and distribution systems in the national electricity transmission system operator area taken as a whole.

The proposal improves clarity of Grid Code text and therefore better facilitates industry understanding of the Grid Code statements which will facilitate the security and efficiency of the electricity generation, transmission and distribution systems in the national electricity transmission system operator area taken as a whole.

4.5 Impact on Industry Documents

4.5.1 Impact on core industry documents

The proposed modification does not impact on any core industry documents

4.5.2 Impact on other industry documents

The proposed modification does not impact on any other industry documents

5   Responses

5.1   Views are invited upon the proposals outlined in this report, which should be received by 09 December 2011.

5.2   Your formal responses may be:-

    Emailed to: Grid.Code@uk.ngrid.com

5.3   Representations received in response to this consultation document will be included in National Grid's Report to the Authority which will be furnished to the Authority for their determination.

No.	Section	Existing text	Reason for change	Proposed New Text
1	BC1.5.4 (b)	"…provided in the **BCs**."	Incorrect bold 's'	"…provided in the **BC**s."
2	BC1.8.1 (i)	"…a **CEC** in excess of…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…a **Connection Entry Capacity** in excess of…"
3	BC1.8.1 (i)	"…the **CEC** of the…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…the **Connection Entry Capacity** of the…"
4	BC1.8.1 (iii)	"…where its **CEC** has…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…where its **Connection Entry Capacity** has…"
5	BC1.8.1 (iii)	"…the **CEC** of the…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…the **Connection Entry Capacity** of the…"
6	BC1.A.1.2	*BC1.A.1. 2*	Space needs to be removed after 1	*BC1.A.1.2*
7	BC1.A.1.4	Offer (£/MWhr) Bid (£/MWhr)	Incorrect units	Offer (£/MWh) Bid (£/MWh)
8	BC1.A.1.5	"Maximum Delivery Volume (MDV), expressed in MWh, being the maximum number of MWhr of Offer…"	Incorrect unit, MWhr should be MWh	"Maximum Delivery Volume (MDV), expressed in MWh, being the maximum number of MWh of Offer…"
9	BC2 (Appendix 3, Annex 2)	**REVISED Mvar DATA – GENERATING UNITS EXCLUDING POWER PART UNITS AND DC CONVERTERS**	Power Part Units is incorrect, should be Power Park Units	**REVISED Mvar DATA – GENERATING UNITS EXCLUDING POWER PARK UNITS AND DC CONVERTERS**
10	BC2 (Contents)	BC2.5.4 Operation in the Absence of Instructions from NGC	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	BC2.5.4 Operation in the Absence of Instructions from NGET
11	BC2 (Contents)	BC2.7.1 Acceptance of bids and offers by NGC	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	BC2.7.1 Acceptance of bids and offers by NGET
12	BC2 (Contents)	BC2.8.1 Call-off of Ancillary Services by NGC	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	BC2.8.1 Call-off of Ancillary Services by NGET
13	BC2.5.5.1 (a)	"…requirements of CC6.5.8(b) in…"	The section reference is missing a full stop between CC and 6	"…requirements of CC.6.5.8(b) in…"
14	BC2.5.5.1 (b)	"…requirements of CC6.5.8(b) in…"	The section reference is missing a full stop between CC and 6	"…requirements of CC.6.5.8(b) in…"

No.	Section	Existing text	Reason for change	Proposed New Text
15	BC2.5.5.2 (a)	"…requirements of CC6.5.8(b) in…"	The section reference is missing a full stop between CC and 6	"…requirements of CC.6.5.8(b) in…"
16	BC2.5.5.2 (b)	"…requirements of CC6.5.8(b) in…"	The section reference is missing a full stop between CC and 6	"…requirements of CC.6.5.8(b) in…"
17	BC2.8.5 (Title)	Reactive Despatch Network Restrictions	Incorrect spelling	Reactive Despatch Network Restrictions
18	BC2.A.4.3	"…in the **CCs** through the…"	Incorrect bold 's'	"…in the **CC**s through the…"
19	BC3.5.1	"For **DC Converters** at **DC Converter Stations,** BC.3.1.3 also applies**.**"	The comma following stations should not be bold. The section reference should not have a full stop between BC and 2. The full stop at the end of the sentence should not be bold.	"For **DC Converters** at **DC Converter Stations**, BC3.1.3 also applies."
20	BC3.5.4	"…(or **DC Converter** at a **DC Converter Station** if agreed as described in BC.3.1.3) to operate…"	The section reference should not have a full stop between BC and 3. The double underline should not be there.	"…(or **DC Converter** at a **DC Converter Station** if agreed as described in BC3.1.3) to operate…"
21	BC3.7.2	"…(or **DC Converter** at a **DC Converter Station**)_operating in…"	The double underline should not be there.	"…(or **DC Converter** at a **DC Converter Station**) operating in…"
22	BC3.7.2	"…the provisions of **BC.3.7.7** are also applicable**.**"	The section reference should not be bold or have a full stop between BC and 3. The full stop should not be bold or green.	"…the provisions of BC3.7.7 are also applicable."
23	BC3.7.3 (d)	"…and the **Generator Generator** or…"	Remove superfluous 'Generator'	"…and the **Generator** or…"
24	CC (Appendix 2, Part 2)	APPARATUS TO BE SHOWN ON **OPERATION DIAGRAM**	Apparatus is a defined term and should be bold	**APPARATUS** TO BE SHOWN ON **OPERATION DIAGRAM**
25	CC.2.2	CC2.2	The section reference is missing a full stop between CC and 2	CC.2.2
26	CC.5.2.1	CC5.2.1	The section reference is missing a full stop between CC and 5	CC.5.2.1
27	CC.6.1.3	"…unless agreed with NGET in…"	NGET is a defined term, should be bold	"…unless agreed with **NGET** in…"
28	CC.6.3.12	"…**Power Park** Module…"	Module needs to be bold. Power Park Module is a defined term.	"…**Power Park Module**…"

No.	Section	Existing text	Reason for change	Proposed New Text
29	CC.6.3.15 (a) (ii)	"…of the **voltage at the Onshore Grid Entry Point**…"	'voltage at the' is not part of a defined term, should not be bold.	"…of the voltage at the **Onshore Grid Entry Point**…"
30	CC.6.3.2 (i)	"…a **CEC** which has…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…a **Connection Entry Capacity** which has…"
31	CC.6.3.2 (i)	"…the **CEC** of the…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…the **Connection Entry Capacity** of the…"
32	CC.6.3.2 (ii)	"…a **CEC** in excess of…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…a **Connection Entry Capacity** in excess of…"
33	CC.6.3.2 (ii)	"…the **CEC** of the…"	CEC is not a defined term in the Grid Code. Should be Connection Entry Capacity	"…the **Connection Entry Capacity** of the…"
34	CC.6.3.3 (e)	a **Large Power Station, in** the	Remove bold from 'in' and ','	a **Large Power Station**, in the
35	CC.6.3.7 (c) (i)	"…as defined in CC.6.1.3.;"	Remove full stop after '3'	"…as defined in CC.6.1.3;"
36	CC.6.3.7 (f) (iii)	"…**Limited Frequency Sensitive Mode** (BC.3.5.2) Operation…"	The section reference should not have a full stop between BC and 3	"…**Limited Frequency Sensitive Mode** (BC3.5.2) Operation…"
37	CC.6.3.7 (f) (iv)	"…**Limited Frequency Sensitive Mode** (BC.3.5.2) Operation…"	The section reference should not have a full stop between BC and 3	"…**Limited Frequency Sensitive Mode** (BC3.5.2) Operation…"
38	CC.6.3.7 (f) (vi)	"…**Limited Frequency Sensitive Mode** (BC.3.5.2) Operation…"	The section reference should not have a full stop between BC and 3	"…**Limited Frequency Sensitive Mode** (BC3.5.2) Operation…"
39	CC.6.3.8	"Reference is made to onload commissioning…"	Missing hyphen after 'on'	"Reference is made to on-load commissioning…"
40	CC.6.3.8 (a) (iii)	"…in Figure 1 of CC6.3.2 (c)."	The section reference is missing a full stop between CC and 6	"…in Figure 1 of CC.6.3.2 (c)."
41	CC.6.5.10	"…permit its **Gensets or DC Converters** to…"	Remove bold from 'or'	"…permit its **Gensets** or **DC Converters** to…"
42	CC.7.2.3	"…as set out in CC7.2.1."	The section reference is missing a full stop between CC and 7	"…as set out in CC.7.2.1."
43	CC.7.4.12	"…provisions of CC7.4.10 and…"	The section reference is missing a full stop between CC and 7	"…provisions of CC.7.4.10 and…"
44	CC.7.4.13.3	"…provisions of CC7.4.13.1 and…"	The section reference is missing a full stop between CC and 7	"…provisions of CC.7.4.13.1 and…"

No.	Section	Existing text	Reason for change	Proposed New Text
45	CC.7.4.9	"…provisions of CC7.4.7 and…"	The section reference is missing a full stop between CC and 7	"…provisions of CC.7.4.7 and…"
46	CC.A.1.1.12	"…new **Plant** and/or Apparatus at…"	Apparatus is a defined term, should be bold	"…new **Plant** and/or **Apparatus** at…"
47	CC.A.3.4	required by NGET in order	NGET is a defined term, should be bold	required by **NGET** in order
48	CC.A.4A.3	CCA.4A.3	The section reference is missing a full stop between CC and A	CC.A.4A.3
49	CC.A.4A.3	"…defined in CC6.3.15.1 (b) (i)…"	The section reference is missing a full stop between CC and 6	"…defined in CC.6.3.15.1 (b) (i)…"
50	CC.A.7.2.2.4	"…specified in CC6.3.2 (c)…"	The section reference is missing a full stop between CC and 6	"…specified in CC.6.3.2 (c)…"
51	CC.A.7.2.2.4	**Onshore Non-Synchronous Generating** Unit,	Unit should be bold as its part of a defined term	**Onshore Non-Synchronous Generating Unit**,
52	CC.A.7.2.4.1	"…accordance with BC.2.11.2."	The section reference should not have a full stop between BC and 2	"…accordance with BC2.11.2."
53	DRC (Contents)	Schedule 9 DATA SUPPLIED BY NGC TO USERS	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	Schedule 9 DATA SUPPLIED BY NGET TO USERS
54	DRC (Contents)	Schedule 1 is missing from contents	Update contents to include Schedule 1	SCHEDULE 1 - **GENERATING UNIT** (OR **CCGT Module**), **POWER PARK MODULE** and **DC CONVERTER** TECHNICAL DATA.
55	DRC (Schedule 1)	FYr0 FYr1 FYr2 FYr3 FYr4 FYr5 FYr 6	Missing full stops and extra space before '6' needs to be removed	F.Yr.0 F.Yr.1 F.Yr.2 F.Yr.3 F.Yr.4 F.Yr.5 F.Yr.6
56	DRC (Schedule 1, page 1, 2nd column, 3rd row down)	"…**Grid Code** for which data is required…"	Grid Code is not a defined term, should not be bold	"…Grid Code for which data is required…"
57	DRC (Schedule 1, page 13)	"Point of connection to the **NGET Transmission System** (or the **Total System** if embedded) of…"	Embedded is a defined term, should be capitalised and bold.	"Point of connection to the **NGET Transmission System** (or the **Total System** if **Embedded**) of…"

No.	Section	Existing text	Reason for change	Proposed New Text
58	DRC (Schedule 1, page 15)	"Details of converter transformer tap changer control system in block diagram form showing transfer functions of individual elements including parameters. (Only required for DC converters connected to the **National Electricity Transmission System**.)"	DC Converters is a defined term, should be bold and capitalised. The punctuation also needs to be corrected.	"Details of converter transformer tap changer control system in block diagram form showing transfer functions of individual elements including parameters (only required for **DC Converters** connected to the **National Electricity Transmission System**)."
59	DRC (Schedule 1, page 15)	"Details of AC filter and reactive compensation equipment control systems in block diagram form showing transfer functions of individual elements including parameters. (Only required for DC converters connected to the **National Electricity Transmission System**.)"	DC Converters is a defined term, should be bold and capitalised. The punctuation also needs to be corrected.	"Details of AC filter and reactive compensation equipment control systems in block diagram form showing transfer functions of individual elements including parameters (only required for **DC Converters** connected to the **National Electricity Transmission System**)."
60	DRC (Schedule 1, page 2, title)	**GENERATING UNIT (OR CCGT MODULE) TECHNICAL DATA**	The title is incorrect, changed to align with DRC.6.1.1.	**GENERATING UNIT (OR CCGT Module), POWER PARK MODULE and DC CONVERTER** TECHNICAL DATA
61	DRC (Schedule 1, page 3, Output Usable row)	"…under the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…under the Grid Code…"
62	DRC (Schedule 1, page 9, Output Usable row)	"…under the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…under the Grid Code…"
63	DRC (Schedule 10)	Weath Corr.	To avoid confusion, Weather Corrected should not be abbreviated	Weather Corrected
64	DRC (Schedule 12A)	DataCategory: OC6	Missing space after 'Data'	Data Category: OC6
65	DRC (Schedule 12A, page 1)	"No information collated under this schedule will be transferred to the Relevant Transmission Licensees "	'Relevant Transmission Licensees' is a defined term, should be bold.	"No information collated under this schedule will be transferred to the **Relevant Transmission Licensees**. "
66	DRC (Schedule 14, page 3, first paragraph)	"…connected to the **Power Park Unit's electrical system** shall…"	'electrical system' is not part of a defined term, should not be bold.	"…connected to the **Power Park Unit's** electrical system shall…"
67	DRC (Schedule 14, page 3, within the table)	"Minimum zero sequence impedance of the equivalent at **Common Collection Busbar**"	'a' missing before Common Collection Busbar.	"Minimum zero sequence impedance of the equivalent at a **Common Collection Busbar**"

No.	Section	Existing text	Reason for change	Proposed New Text
68	DRC (Schedule 2)	**Existing AGR Plant Flexibility Limit (Existing AGR Plant** onlyNu	'Nu' needs to be deleted and replace with a bracket. Remove bold from first bracket.	**Existing AGR Plant Flexibility Limit (Existing AGR Plant** only)
69	DRC (Schedule 3, page 1)	"For a **Generating Unit at a Large Power Station** the…"	'at a' is not part of a defined term, should not be bold.	"For a **Generating Unit** at a **Large Power Station** the…"
70	DRC (Schedule 4)	"…and by **DC Convertor Station** owners…"	Incorrect spelling of 'Converter'	"…and by **DC Converter Station** owners…"
71	DRC (Schedule 5, page 2)	"Equivalent Lumped Susceptance required for all parts of the User's Subtransmission System which are not included in the Single Line Diagram…"	'User', 'Subtransmission System' and 'Single Line Diagram' are all defined terms, should be bold.	"Equivalent Lumped Susceptance required for all parts of the **User's Subtransmission System** which are not included in the **Single Line Diagram**…"
72	DRC (Schedule 5, page 6)	"The following information relates only to **Protection** equipment which can trip or inter-trip or close any **Connection Point** circuit breaker or any **National Electricity Transmission System** circuit breaker. The information need only be supplied once, in accordance with the timing requirements set out in PC.A.1.4 (b) and need not be supplied on a routine annual thereafter, although **NGET** should be notified if any of the information changes."	Cross referenced text does not match. Proposed text change to align with text in PC.A.6.3.	"The following information relates only to **Protection** equipment which can trip or inter-trip or close any **Connection Point** circuit breaker or any **Transmission** circuit breaker. The information need only be supplied once, in accordance with the timing requirements set out in PC.A.1.4 (b) and need not be supplied on a routine annual basis thereafter, although **NGET** should be notified if any of the information changes."
73	DRC (Schedule 5, page 7)	"…of harmonic distortion on **National Electricity Transmission System** and…"	'the' missing before National Electricity Transmission System.	"…of harmonic distortion on the **National Electricity Transmission System** and…"
74	DRC (Schedule 5, page 7, (f))	The following data is required on all transformers operating at **Supergrid Voltage** and also in Scotland and **Offshore**, operating at 132kV: three or five limb cores or single phase units to be specified, and operating peak flux density at nominal voltage.	Cross referenced text does not match. Proposed text change to align with text in PC.A.6.2 (f).	The following data is required on all transformers operating at **Supergrid Voltage** throughout **Great Britain** and, in Scotland and **Offshore**, also at 132kV: three or five limb cores or single phase units to be specified, and operating peak flux density at nominal voltage.
75	DRC (Schedule 5, page 8)	"The Minimum and maximum **Demand**…"	'Minimum' should not be capitalised.	"The minimum and maximum **Demand**…"

No.	Section	Existing text	Reason for change	Proposed New Text
76	DRC.1.1	"…of the **Grid Code** is collated here in the **DRC**. Where there is any inconsistency in the data requirements under any particular section of the **Grid Code** and the **Data Registration Code** the provisions of the particular section of the **Grid Code** shall…"	Grid Code is not a defined term, should not be bold	"…of the Grid Code is collated here in the **DRC**. Where there is any inconsistency in the data requirements under any particular section of the Grid Code and the **Data Registration Code** the provisions of the particular section of the Grid Code shall…"
77	DRC.1.2	"…section of the **Grid Code** under…"	Grid Code is not a defined term, should not be bold	"…section of the Grid Code under…"
78	DRC.1.4	"…of the **Grid Code** also…"	Grid Code is not a defined term, should not be bold	"…of the Grid Code also…"
79	DRC.1.5	"…indicated in the DRC below…"	DRC is a defined term, should be bold	"…indicated in the **DRC** below…"
80	DRC.2.1	"…under the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…under the Grid Code…"
81	DRC.2.2	"…under the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…under the Grid Code…"
82	DRC.4.2.1	"…the Appendix to the PC…"	PC is a defined term, should be bold	"…the Appendix to the **PC**…"
83	DRC.4.4.1	"…according to the **Code** under which…"	Code is not a defined term	"…according to the Code under which…"
84	DRC.5.1	"…of the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…of the Grid Code…"
85	DRC.5.2.2	"The name of the person at the **User** who is submitting each schedule of data must be included…"	The word 'site' is missing after 'User'. Add the word to improve clarity.	"The name of the person at the **User Site** who is submitting each schedule of data must be included…"
86	DRC.5.2.3	"…of the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…of the Grid Code…"
87	DRC.5.3.1	"…of the **Grid Code**. The method and timing of the notification to **NGET** is set out in each section of the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…of the Grid Code. The method and timing of the notification to **NGET** is set out in each section of the Grid Code…"
88	DRC.5.4.1	"…the **Grid Code** and repeated in the **DRC**. If a **User** fails to supply data when required by any section of the **Grid Code**, **NGET** will estimate such data if and when, in the **NGET's** view, it is necessary to do so. If **NGET** fails to supply data when required by any section of the **Grid Code**…"	Grid Code is not a defined term, should not be bold	"…the Grid Code and repeated in the **DRC**. If a **User** fails to supply data when required by any section of the Grid Code, **NGET** will estimate such data if and when, in the **NGET's** view, it is necessary to do so. If **NGET** fails to supply data when required by any section of the Grid Code…"

No.	Section	Existing text	Reason for change	Proposed New Text
89	DRC.5.5.1	"…in the view of NGET…"	NGET is a defined term, should be bold	"…in the view of **NGET**…"
90	DRC.5.5.1	"…in the view of NGET…"	NGET is a defined term, should be bold.	"…in the view of **NGET**…"
91	DRC.6.1	"Schedules 1 to 15 attached…"	15 is incorrect, there are 17 schedules.	"Schedules 1 to 17 attached…"
92	DRC.6.1.13	"…relating to the Short Circuit contribution…"	short circuit should not be capitalised	"…relating to the short circuit contribution…"
93	DRC.6.1.7	SCHEDULE 7 - LOAD CHARACTERISTICS	Load is a defined term, should be bold.	SCHEDULE 7 - **LOAD** CHARACTERISTICS
94	Figure CC.A.3.1	Incorrect numbering on both the x and y axis of the diagram	X axis should start at 50% and increase by increments of 5% to 100%. Y axis should have negative numbers up to -12.	Correct numbering on diagram
95	GC.12.2	"NGET has obligations under the…"	NGET is a defined term, should be bold	"**NGET** has obligations under the…"
96	GC.15.1	"…other Connection Conditions;shall apply…"	Space needed after 'Conditions;'	"…other Connection Conditions; shall apply…"
97	GC.4.3 (xi)	"…(in respect of PC.6.2, PC6.3…"	The section reference is missing a full stop between PC and 6	"…(in respect of PC.6.2, PC.6.3…"
98	GC.A2.2	"…the **GB Transmission System** shall…"	Incorrect reference to GB Transmission System	"…the **National Electricity Transmission System** shall…"
99	GC.A2.2	"…the **GB Transmission System** under…"	Incorrect reference to GB Transmission System	"…the **National Electricity Transmission System** under…"
100	GC.A2.4 (a)	"…the **GB Transmission System** under…"	Incorrect reference to GB Transmission System	"…the **National Electricity Transmission System** under…"
101	GC.A2.4 (b)	"…the **GB Transmission System** under…"	Incorrect reference to GB Transmission System	"…the **National Electricity Transmission System** under…"
102	GD - Earthing (a)	"…the **Requesting Safety Co-Ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-Ordinator** in…"	Incorrect upper case 'O' in Co-ordinator	"…the **Requesting Safety Co-ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-ordinator** in…"
103	GD - Interface Point	**Interface Point**	Underline missing	**Interface Point**

No.	Section	Existing text	Reason for change	Proposed New Text
104	GD - Isolation (a) (i)	"…the **Requesting Safety Co-Ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-Ordinator** in…"	Incorrect upper case 'O' in Co-ordinator	"…the **Requesting Safety Co-ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-ordinator** in…"
105	GD - Maximum Generation Service, MGS	**Maximum Generation Service, MGS**	Is missing 'or'	**Maximum Generation Service or MGS**
106	GD - Offshore Transmission System	"…from the **Interface Point** the **Offshore**…"	Missing 'to' after 'Interface Point'	"…from the **Interface Point**, to the **Offshore**…"
107	Glossary and Definitions (Title)	(G & D)	Remove the ampersand. Remains consistent with other references.	(GD)
108	OC.1 (Contents)	OC1.4 DATA REQUIRED BY NGC IN THE OPERATIONAL PLANNING PHASE	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC1.4 DATA REQUIRED BY NGC IN THE OPERATIONAL PLANNING PHASE
109	OC.1 (Contents)	OC1.6 NGC FORECASTS	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC1.6 NGET FORECASTS
110	OC.8.2 Section Reference	OC.8.2	The section reference should not have a full stop between OC and 8	OC8.2
111	OC10 (Contents	OC10.4.1.2 Written Reporting of Events by NGC to Users	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC10.4.1.2 Written Reporting of Events by NGET to Users
112	OC10 (Contents)	OC10.4.1.1 Written Reporting of Events by Users to NGC	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC10.4.1.1 Written Reporting of Events by Users to NGET
113	OC11 (Contents)	OC11.4.3 User HV Apparatus on NGC Sites	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC11.4.3 User HV Apparatus on NGET Sites
114	OC12.3.3	"Each Network Operator shall be responsible for coordinating with the Embedded Person or such other person and assessing the effect og any System Tests upon:"	Incorrect spelling	"Each Network Operator shall be responsible for coordinating with the Embedded Person or such other person and assessing the effect of any System Tests upon:"

No.	Section	Existing text	Reason for change	Proposed New Text
115	OC12.4.2.1	"…to the transmission or distribution system and plant and/or apparatus of…"	Transmission, System, Plant and Apparatus are all defined terms. Should be bold.	"…to the **Transmission** or distribution **System** and **Plant** and/or **Apparatus** of…"
116	OC2 (Appendix 2)	**E) User System**	User System under the 'key' should not be bold	E) User System
117	OC2.4.2.1 (i)	"…(subject as otherwise permitted in the **BCs**)."	Incorrect bold s	"…(subject as otherwise permitted in the **BCs**)."
118	OC5.5.1.1 (a)	"…a change in plant or apparatus or settings (including but not limited to governor and excitation control systems) that…"	'Plant' and 'Apparatus' are defined terms. Should be bold and capitalised.	"…a change in **Plant** or **Apparatus** or settings (including but not limited to governor and excitation control systems) that…"
119	OC5.5.3 (Black Start)	OC.5.7.1	The section reference should not have a full stop between OC and 5	OC5.7.1
120	OC5.7.1	OC.5.7.1	The section reference should not have a full stop between OC and 5	OC5.7.1
121	OC5.7.2	OC.5.7.2	The section reference should not have a full stop between OC and 5	OC5.7.2
122	OC5.7.2.1	OC.5.7.2.1	The section reference should not have a full stop between OC and 5	OC5.7.2.1
123	OC5.7.2.2	OC.5.7.2.2	The section reference should not have a full stop between OC and 5	OC5.7.2.2
124	OC5.7.2.2 (f)	"…provisions of OC.5.7.2.1 (e)…"	The section reference should not have a full stop between OC and 5	"…provisions of OC5.7.2.1 (e)…"
125	OC5.7.2.3	OC.5.7.2.3	The section reference should not have a full stop between OC and 5	OC5.7.2.3
126	OC5.7.2.4	OC.5.7.2.4	The section reference should not have a full stop between OC and 5	OC5.7.2.4
127	OC5.7.2.5	OC.5.7.2.5	The section reference should not have a full stop between OC and 5	OC5.7.2.5
128	OC5.7.2.5	"…set out in OC.5.7.2.1 or OC.5.7.2.2 as…"	The section references should not have a full stop between OC and 5	"…set out in OC5.7.2.1 or OC5.7.2.2 as…"
129	OC5.7.2.6	OC.5.7.2.6	The section reference should not have a full stop between OC and 5	OC5.7.2.6

No.	Section	Existing text	Reason for change	Proposed New Text
130	OC5.7.2.7	OC.5.7.2.7	The section reference should not have a full stop between OC and 5	OC5.7.2.7
131	OC5.7.2.7	"…in OC.5.7.2.5 and OC.5.7.2.6 it is accepted that the **Black Start Station** has failed the **Black Start Test** (or a re-test carried out under OC.5.7.2.5)…"	The section references should not have a full stop between OC and 5	"…in OC5.7.2.5 and OC5.7.2.6 it is accepted that the **Black Start Station** has failed the **Black Start Test** (or a re-test carried out under OC5.7.2.5)…"
132	OC5.7.2.8	OC.5.7.2.8	The section reference should not have a full stop between OC and 5	OC5.7.2.8
133	OC5.7.2.8	"…of this OC.5.7.2 will…"	The section reference should not have a full stop between OC and 5	"…of this OC5.7.2 will…"
134	OC5.8	OC.5.8	The section reference should not have a full stop between OC and 5	OC5.8
135	OC7 (Contents)	OC7.4.5.1 Operation on the GB Transmission System	Incorrect reference to GB Transmission System	OC7.4.5.1 Operation on the National Electricity Transmission System
136	OC7 (Contents)	OC7.4.6.1 Events on the GB Transmission System	Incorrect reference to GB Transmission System	OC7.4.6.1 Events on the National Electricity Transmission System
137	OC7 (Contents)	OC7.4.8 GB TRANSMISSION SYSTEM WARNINGS	Incorrect reference to GB Transmission System	OC7.4.8 NATIONAL ELECTRICITY TRANSMISSION SYSTEM WARNINGS
138	OC7 (Contents)	OC7.4.8.1 Role of GB Transmission System Warnings	Incorrect reference to GB Transmission System	OC7.4.8.1 Role of National Electricity Transmission System Warnings
139	OC7 (Contents)	OC7.4.8.2 Recipients of GB Transmission System Warnings	Incorrect reference to GB Transmission System	OC7.4.8.2 Recipients of National Electricity Transmission System Warnings
140	OC7 (Contents)	OC7.4.8.4 Types of GB Transmission System Warnings	Incorrect reference to GB Transmission System	OC7.4.8.4 Types of National Electricity Transmission System Warnings
141	OC7 (Contents)	OC7.4.8.5 GB Transmission System Warning - Inadequate System Margin	Incorrect reference to GB Transmission System	OC7.4.8.5 National Electricity Transmission System Warning - Inadequate System Margin
142	OC7 (Contents)	OC7.4.8.6 GB Transmission System Warning - High Risk of Demand Reduction	Incorrect reference to GB Transmission System	OC7.4.8.6 National Electricity Transmission System Warning - High Risk of Demand Reduction
143	OC7 (Contents)	OC7.4.8.7 GB Transmission System Warning - Demand Control Imminent	Incorrect reference to GB Transmission System	OC7.4.8.7 National Electricity Transmission System Warning - Demand Control Imminent

No.	Section	Existing text	Reason for change	Proposed New Text
144	OC7 (Contents)	OC7.4.8.8 GB Transmission System Warning - Risk of System Disturbance	Incorrect reference to GB Transmission System	OC7.4.8.8 National Electricity Transmission System Warning - Risk of System Disturbance
145	OC7 (Contents)	OC7.4.8.9 Cancellation of GB Transmission System Warning	Incorrect reference to GB Transmission System	OC7.4.8.9 Cancellation of National Electricity Transmission System Warning
146	OC7 (Contents)	OC7.4.8.10 General Management of GB Transmission System Warnings	Incorrect reference to GB Transmission System	OC7.4.8.10 General Management of National Electricity Transmission System Warnings
147	OC7 (Contents)	**APPENDIX** - GB TRANSMISSION SYSTEM WARNINGS TABLE	Incorrect reference to GB Transmission System. 'Appendix' should not be bold	APPENDIX - NATIONAL ELECTRICITY TRANSMISSION SYSTEM WARNINGS TABLE
148	OC7 (Contents)	OC7.4.5.3 Examples of situations where notification by NGC or a User may be required	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC7.4.5.3 Examples of situations where notification by NGET or a User may be required
149	OC7 (Contents)	OC7.4.6.5 Examples of situations where notification by NGC or a User may be required	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC7.4.6.5 Examples of situations where notification by NGET or a User may be required
150	OC8A (Contents)	Page numbering	Incorrect numbering	Correct page numbering
151	OC8A.1.6.2 (2) (a) (i)	"…the **Requesting Safety Co-Ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-Ordinator**…"	Incorrect upper case 'O' in Co-ordinator	"…the **Requesting Safety Co-ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-ordinator**…"
152	OC8A.1.6.2 (3)	"…the **Implementing Safety Co-orinator**) of…"	Incorrect spelling	"…the **Implementing Safety Co-ordinator**) of…"
153	OC8A.1.6.2 (4) (i)	"…the **Requesting Safety Co-Ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-Ordinator** in…"	Incorrect upper case 'O' in Co-ordinator	"…the **Requesting Safety Co-ordinator** and is to be retained in safe custody. Where not reasonably practicable the **Key Safe Key** must be retained by the authorised site representative of the **Implementing Safety Co-ordinator** in…"
154	OC8A.5.3.2 (b) (i)	"Where not resonably practicable…"	Incorrect spelling	"Where not reasonably practicable…"

No.	Section	Existing text	Reason for change	Proposed New Text
155	OC8A.5.4.4	"…the**Requesting Safety Co-ordinator**…"	Space needed after 'the'	"…the **Requesting Safety Co-ordinator**…"
156	OC8B (Appendix E, first section - 1. Issue)	"Circuit Indentification Issued …"	Incorrect spelling of 'identification'	"Circuit Identification Issued …"
157	OC8B (Appendix E, second section - 2. Receipt)	"Circuit Indentification Equipment Checked as above (Initials)"	Incorrect spelling of 'identification'	"Circuit Identification Equipment Checked as above (Initials)"
158	OC8B.1.6 (c)	"…procedures agreed pursant to…"	Incorrect spelling	"…procedures agreed pursuant to…"
159	OC8B.1.7.2 (2) (a) (i)	"…authorised site representataive of…"	Incorrect spelling	"…authorised site representative of…"
160	OC8B.1.7.2 (3)	"…of the **Implmenting Safety Co-ordinator**…"	Incorrect spelling	"…of the **Implementing Safety Co-ordinator**…"
161	OC8B.1.7.2 (3)	"…the **Implementing Safety Co-ordinator's HV Apparatus** fom the rest…"	Incorrect spelling	"…the **Implementing Safety Co-ordinator's HV Apparatus** from the rest…"
162	OC8B.4.3.2	"The **Revant Transmission Licensee** will…"	Incorrect spelling	"The **Relevant Transmission Licensee** will…"
163	OC8B.4.3.2	"…the **Relevant Tranmission Licensee** is…"	Incorrect spelling	"…the **Relevant Transmission Licensee** is…"
164	OC8B.5.2.2 (c) (i)	"…site reresentative of the…"	Incorrect spelling	"…site representative of the…"
165	OC8B.5.2.2 (e)	"…the **Implmenting Safety Co-ordinator's System**."	Incorrect spelling	"…the **Implementing Safety Co-ordinator's System**."
166	OC8B.5.2.2 (e)	"…or to any any other…"	Remove superfluous 'any'	"…or to any other…"
167	OC9 (Contents)	Missing section references under 'OC9.4.7 Black Start'	Section references need to be included on contents page	OC9.4.7.3 NGC Instructions OC9.4.7.5 Embedded Power Stations OC9.4.7.6 Local Joint Restoration Plan operation OC9.4.7.7 Interconnection of Power Islands OC9.4.7.10 Conclusion of Black Start OC9.4.7.11 Externally Interconnected Parties OC9.4.7.12 Local Joint Restoration Plan establishment
168	OC9 (Contents)	OC9.4.7.9 Return the Total System Back to Normal Operation	Missing from contents page	Add to contents page

No.	Section	Existing text	Reason for change	Proposed New Text
169	OC9 (Contents)	OC9.4.7.3 NGC Instructions	Contents page requires updated to match Grid Code text. NGC is replaced by NGET	OC9.4.7.3 NGET Instructions
170	OC9.4.7.4	"…(or as amended from time to time in accordance with the **BCs**)."	Incorrect bold s	"…(or as amended from time to time in accordance with the **BC**s)."
171	OC9.5.1 (c)	"…provisions of the **BCs**…"	Incorrect bold s	"…provisions of the **BC**s…"
172	OC9.5.2.1	"….outlined in the **BCs**…"	Incorrect bold s	"….outlined in the **BC**s…"
173	OC9.5.5	"…with the transmission system of an…"	Transmission System is a defined term and should be bold	"…with the **Transmission System** of an…"
174	OC9.5.5	"…when its transmission system can be…"	Transmission System is a defined term and should be bold	"…when its **Transmission System** can be…"
175	PC (Contents)	PC.A.2.5 Short Circuit Contribution to GB Transmission System	Incorrect reference to GB Transmission System	PC.A.2.5 Short Circuit Contribution to National Electricity Transmission System
176	PC (Contents)	**APPENDIX A - PLANNING DATA REQUIREMENTS**	APPENDIX A should not be bold	APPENDIX A - PLANNING DATA REQUIREMENTS
177	PC (Contents)	PC.8 OTSDUW PLANNING LIASION1	There should not be a 1 at the end	PC.8 OTSDUW PLANNING LIASION
178	PC.2.1 (d)	"…provided under PC2.1(d) in…"	The section reference is missing a full stop between PC and 2	"…provided under PC.2.1(d) in…"
179	PC.2.1 (d)	"…provided under PC2.1(d) shall…"	The section reference is missing a full stop between PC and 2	"…provided under PC.2.1(d) shall…"
180	PC.5.4 (e)	"…is obliged to disclose it under **STC**.."	Missing 'the' after 'under'	"…is obliged to disclose it under the **STC**…"
181	PC.A.1.10	"In following the processes set out in the **BCs**, **NGET** will use the data which has been supplied to it under the **BCs** and…"	Incorrect bold 's'	"In following the processes set out in the **BC**s, **NGET** will use the data which has been supplied to it under the **BC**s and…"
182	PC.A.1.2	"…subject to PC.A.3.2.3 and PC.A.3.2.4…"	Incorrect text colour	"…subject to PC.A.3.2.3 and PC.A.3.2.4…"
183	PC.A.1.7	3.4.13.4.2	List of references contains this error. These are two separate references and should be on two lines	3.4.1 3.4.2
184	PC.A.2.1.1	"…the case of **Embedded DC Converter Stations** not…"	'Embedded' is a defined term, should be bold	"…the case of **Embedded DC Converter Stations** not…"

No.	Section	Existing text	Reason for change	Proposed New Text
185	PC.A.2.5.5	"Data from **Generators** (including **Generators** undertaking **OTSDUW**), **DC Converter Station** owners and from **Network Operators** in respect of **Embedded Medium Power Stations** not subject to a **Bilateral Agreement** and **Embedded DC Converter Stations** not subject to a **Bilateral Agreement** within such **Network Operator's Systems**."	Paragraph should not be underlined	"Data from **Generators** (including **Generators** undertaking **OTSDUW**), **DC Converter Station** owners and from **Network Operators** in respect of **Embedded Medium Power Stations** not subject to a **Bilateral Agreement** and **Embedded DC Converter Stations** not subject to a **Bilateral Agreement** within such **Network Operator's Systems**."
186	PC.A.2.5.5.7	"…following parts of P.C.A.2.5.6(a) shall…"	Extra full stop between P and C needs to be removed	"…following parts of PC.A.2.5.6(a) shall…"
187	PC.A.3.2.2 (c) (i)	**(i)**	Remove bold	(i)
188	PC.A.3.2.2 (f)	(i), (ii), (ii)	Paragraph lettering is incorrect	(i), (ii), (iii)
189	PC.A.3.2.2. (f)	"…should be hightlighted on the…"	Incorrect spelling	"…should be highlighted on the…"
190	PC.A.5.4.2	"…to operation of transmission system protection…"	Transmission System is a defined term and should be bold	"…to operation of **Transmission System** protection…"
191	PC.A.5.4.3.1	"…including resistance,inductance and capacitance…"	Space needed after "resistance,"	"…including resistance, inductance and capacitance…"
192	PC.A.5.4.3.2	"…are not modeled to switching…"	Incorrect spelling	"…are not modelled to switching…"
193	PC.A.5.4.3.2 (ii)	"…transformer tapchangercontrol systems…"	Space needed after 'changer'	"…transformer tap changer control systems…"
194	PC.A.5.5	"In this **PC.A.5.5**…"	PC.A.5.5 should not be bold	"In this PC.A.5.5…"
195	Preface (1)	"…the **GB Transmission System**…"	Incorrect reference to GB Transmission System	"…the **National Electricity Transmission System**…"
196	Preface (2)	"…and economical **GB Transmission System**…"	Incorrect reference to GB Transmission System	"…and economical **National Electricity Transmission System** …"
197	Preface (2)	"…use of the **GB Transmission System**…"	Incorrect reference to GB Transmission System	"…use of the **National Electricity Transmission System** …"
198	Preface (3a)	"…development of the **GB Transmission System**…"	Incorrect reference to GB Transmission System	"…development of the **National Electricity Transmission System** …"
199	Preface (3b)	"…with the **GB Transmission System**…"	Incorrect reference to GB Transmission System	"…with the **National Electricity Transmission System** …"

No.	Section	Existing text	Reason for change	Proposed New Text
200	Preface (3c)	"…the **GB Transmission System** and…"	Incorrect reference to GB Transmission System	"…the **National Electricity Transmission System** and…"
201	Revisions (Revision 1)	OC.6	The section reference should not have a full stop between OC and 6	OC6
202	Revisions (Revision 2)	G & D	Two references to G & D under code section are incorrect. Ampersand should be removed for consistency.	GD
203	Revisions (Revision 3)	CC6	The section reference is missing a full stop between CC and 6	CC.6
204	Revisions (Revision 3)	Clause CC6.3.2 (a) amended	The section reference is missing a full stop between CC and 6	Clause CC.6.3.2 (a) amended
205	Revisions (Revision 4)	G&D	Reference to G&D under code section is incorrect. Ampersand should be removed for consistency.	GD
206	Revisions (Revision 5)	OC.11	The section reference should not have a full stop between OC and 11	OC11
207	Revisions (Revision 5)	"Clauses OC.11.1…"	The section reference should not have a full stop between OC and 11	"Clauses OC11.1…"
208	Revisions (Revision 5)	G&D	Two references to G & D under code section are incorrect. Ampersand should be removed for consistency.	GD
209	Revisions (Revision 6)	G&D	Reference to G&D under code section is incorrect. Ampersand should be removed for consistency.	GD
210	Revisions (Revision 8)	CC6	The section reference is missing a full stop between CC and 6	CC.6
211	Revisions (Revision 8)	Clause CC6.5.8 amended	The section reference is missing a full stop between CC and 6	Clause CC.6.5.8 amended