



National Grid

**GRID CODE
CONSULTATION DOCUMENT**

**Proposed Grid Code change to incorporate new
capacity terms arising from CUSC CAP043**

**The purpose of this document is to consult on the above Grid Code
Modification Proposal with authorised electricity operators liable to be
materially affected by the proposed changes**

Consultation Ref	A/03
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Prepared by	National Grid

DOCUMENT LOCATION

National Grid website:

http://www.nationalgridinfo.co.uk/grid_code/mn_consultation_papers.html

DISTRIBUTION

Name	Organisation
AEO's	Various
GCRP Members/Alternates	Various
Interested Parties	Various
National Grid Industry Information Website	

A. Introduction

1. National Grid Company plc ("National Grid"), in accordance with its obligations under paragraph 2 of Condition 7 of the Transmission Licence, believes that the time has come to review, in consultation with authorised electricity operators liable to be materially affected thereby, the Grid Code and its implementation in certain respects.
2. This review is concerned with the introduction of two new terms, **Transmission Entry Capacity** and **Connection Entry Capacity**, in to the Grid Code. The two terms were proposed in CUSC Amendment Proposal CAP043 to replace the Registered Capacity and Maximum Export Capacity in appendix C of the generation connection agreements. The proposed changes to the Grid Code were discussed at the Grid Code Review Panel meeting held on 21st November 2002. Panel members agreed that National Grid should issue a Consultation Paper once a decision had been reached on CUSC Amendment Proposal CAP043. The Authority approved the proposed CUSC changes on 6th February 2003 and these were implemented on the 1st April 2003.
3. Following receipt of comments from those authorised electricity operators which it has consulted by this Paper, National Grid intends, in accordance with paragraph 2 of Condition 7 of the Transmission Licence, to send to the Authority :-
 - (a) a report on the outcome of its review, including this consultation process;
 - (b) the proposed revisions to the Grid Code which National Grid (having regard to the outcome of such review) reasonably thinks fit for the achievement of the objectives of the Grid Code referred to in subparagraph (b) of paragraph 1 of Condition 7 of the Transmission Licence; and
 - (c) any written representations or objections from authorised electricity operators (including any proposals by such operators for revisions to the Grid Code not accepted by National Grid in the course of the review) arising during the consultation process and subsequently maintained.
4. The report will also be made publicly available on National Grid's website.
5. The revisions to the Grid Code proposed by National Grid and sent to the Authority then require approval by that body and will, if approved, come into force on such date (or dates) of which you will be notified by National Grid, in accordance with the Authority's approval.

B. DESCRIPTION OF THE PROPOSED AMENDMENTS AND THEIR EFFECTS

6. Background

- 6.1 CUSC Amendment Proposal CAP043 replaces Registered Capacity and Maximum Export Capacity in appendix C of the generation

connection agreements with two new capacity terms. CAP043 was the first of what are expected to be a number of incremental reforms to industry documents that introduce revised transmission access arrangements. The main objective of CAP043 was to introduce clear and unambiguous capacity terms into the CUSC.

- 6.2 Following the process referred to above National Grid will be looking to perform a review of capacity terms throughout the Grid Code. The extensive use of terms such as Registered Capacity means this will not be an insignificant task. In advance of this review, and in order to facilitate the expedient use of Transmission Entry Capacity and Connection Entry Capacity in the planning process National Grid proposes to add these terms in to the Grid Code.
- 6.3 National Grid believes that using these terms in the Grid Code and Seven Year Statement would be a further step towards introducing revised transmission access arrangements. In particular it would allow National Grid to use the new terms when planning the system and in producing the Seven Year Statement. It will also enable National Grid to publish the values of Transmission Entry Capacity and Connection Entry Capacity in the Seven Year Statement. Therefore National Grid will be using signals from the market to plan the system and provide information on opportunities to the market.
- 6.4 The CAP043 proposal was to replace Registered Capacity in the CUSC by two new terms:

Connection Entry Capacity, which reflects on both a generating unit and power station basis the maximum power the User may export on to transmission system at the connection site and;

Transmission Entry Capacity, which reflects the maximum power the User can export across the transmission system away from the connection site.

7. Proposed Changes

- 7.1 When applying for a new generation connection, a User is required to submit Standard Planning Data to National Grid (PC.4.4.1(a)). Standard Planning Data includes Registered Capacity on both a Generating Unit and Power Station basis for Small, Medium and Large Power Stations. In turn National Grid is obliged to use Standard Planning Data (part of Committed Project Planning Data and Connected Planning Data) when considering an application and in the Seven Year Statement (PC5.4 and PC.5.6).
- 7.2 In order to allow Transmission Entry Capacity and Connection Entry Capacity to be used in the assessment of connection applications and production of and published in the Seven Year Statement, it is proposed that they should be specified in addition to the Standard Planning Data under the Grid Code.

- 7.3 This will require addition of the terms to the Glossary and Definitions, and incorporation into the Planning Code (PC.4.4.1, PC.5.4 and PC.5.6) to allow the data to be used in the planning process. The change to the Planning Code (PC.4.3.1) is to make it explicit that the data will be used in the preparation of, and published, in the Seven Year Statement.
- 7.4 The approach of using data submitted under the CUSC Contract avoids Users having to resubmit Transmission Entry Capacity and Connection Entry Capacity under the Planning Code, and is therefore more efficient and ensures consistency.
- 7.5 Paragraph 6.1.6 of the CUSC permits National Grid to use data supplied under the CUSC in the Grid Code to the extent that the Grid Code provides for such use. Paragraph 6.15 of the CUSC provides that information can be disclosed where it is expressly or permitted to disclose it, under for instance the terms of the Grid Code. The change to PC 4.3.1 expressly permits National Grid to use Transmission Entry Capacity and Connection Entry Capacity in the Seven year Statement.
- 7.4 The proposed Grid Code changes are shown in Appendix 1.

C. COMMENTS

8. National Grid would be grateful to receive your comments on, or any suggestions you may have in relation to, these proposed amendments to the Grid Code. Comments would be welcomed and should be sent to National Grid by **2nd May 2003**. The comments will be reviewed and responded to and National Grid will then prepare its report to the Authority.
9. Unless otherwise marked as confidential any responses containing objections to the proposals which are maintained will be published on our website in the copy of the Report to the Authority referred to in paragraphs 3 and 4.
10. Your formal responses may be:-

Posted to: Patrick Hynes
Industry Codes
Commercial
National Grid Company plc
National Grid House
Kirby Corner Road
Coventry
CV4 8JY

Faxed to: 024 7642 3242

Emailed to: patrick.hynes@uk.ngrid.com

Appendix 1

EXTRACT FROM GLOSSARY AND DEFINITIONS.

Connection
Entry Capacity

Has the meaning set out in the CUSC.

Transmission
Entry Capacity

Has the meaning set out in the CUSC.

EXTRACT FROM THE PLANNING CODE

PC.4.3 Data Provision

PC.4.3.1 Seven Year Statement

To enable the **Seven Year Statement** to be prepared, each **User** is required to submit to **NGC** (subject to the provisions relating to **Embedded Power Stations** in PC.3.2) both the **Standard Planning Data** and the **Detailed Planning Data** as listed in parts 1 and 2 of the Appendix. This data should be submitted in calendar week 24 of each year (although **Network Operators** may delay the submission until calendar week 28) and should cover each of the seven succeeding **NGC Financial Years** (and in certain instances, the current year). Where, from the date of one submission to another, there is no change in the data (or in some of the data) to be submitted, instead of re-submitting the data, a **User** may submit a written statement that there has been no change from the data (or in some of the data) submitted the previous time. In addition, NGC will also use the TEC and CEC data from the CUSC Contract in the preparation of the Seven Year Statement and to that extent the data will not be treated as confidential.

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PC.4.4 Offer of Terms for connection

PC.4.4.1 The completed application form for a **CUSC Contract** to be submitted by a **User** when making an application for a **CUSC Contract** will include:

- (a) a description of the **Plant** and/or **Apparatus** to be connected to the **NGC Transmission System** or of the **Modification** relating to the **User's Plant** and/or **Apparatus** already connected to the **NGC Transmission System** or, as the case may be, of the proposed new connection or **Modification** to the connection within the **User System** of the **User**, each of which shall be termed a "**User Development**" in the **PC**;
- (b) the relevant **Standard Planning Data** as listed in Part 1 of the Appendix; and
- (c) the desired **Completion Date** of the proposed **User Development**.
- (d) the desired **Connection Entry Capacity** and **Transmission Entry Capacity**.

The completed application form for a **CUSC Contract** will be sent to **NGC** as more particularly provided in the application form.

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Committed Project Planning Data

PC.5.4

Once the offer for a **CUSC Contract** is accepted, the data relating to the **User Development** already submitted as **Preliminary Project Planning Data**, and subsequent data required by **NGC** under this **PC**, will become **Committed Project Planning Data**. This data, together with **Connection Entry Capacity** and **Transmission Entry Capacity** data from the **CUSC Contract**, and other data held by **NGC** relating to the **NGC Transmission System** will form the background against which new applications by any **User** will be considered and against which planning of the **NGC Transmission System** will be undertaken. Accordingly, **Committed Project Planning Data, Connection Entry Capacity and Transmission Entry Capacity data** will not be treated as confidential to the extent that **NGC**:

- (a) is obliged to use it in the preparation of the **Seven Year Statement** and in any further information given pursuant to the **Seven Year Statement**;
- (b) is obliged to use it when considering and/or advising on applications (or possible applications) of other **Users** (including making use of it by giving data from it, both orally and in writing, to other **Users** making an application (or considering or discussing a possible application) which is, in **NGC's** view, relevant to that other application or possible application);
- (c) is obliged to use it for **NGC** operational planning purposes;
- (d) is obliged under the terms of an **Interconnection Agreement** to pass it on as part of system information on the **Total System**.

To reflect different types of data, **Preliminary Project Planning Data** and **Committed Project Planning Data** are themselves divided into:

- (a) those items of **Standard Planning Data** and **Detailed Planning Data** which will always be forecast, known as **Forecast Data**; and
- (b) those items of **Standard Planning Data** and **Detailed Planning Data** which relate to **Plant** and/or **Apparatus** which upon connection will become **Registered Data**, but which prior to connection, for the seven succeeding **NGC Financial Years**, will be an estimate of what is expected, known as **Estimated Registered Data**.

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PC.5.6

Connected Planning Data, together with **Connection Entry Capacity and Transmission Entry Capacity data from the CUSC Contract, and** other data held by **NGC** relating to the **NGC**

Transmission System, will form the background against which new applications by any **User** will be considered and against which planning of the **NGC Transmission System** will be undertaken. Accordingly, **Connected Planning Data, Connection Entry Capacity and Transmission Entry Capacity data** will not be treated as confidential to the extent that **NGC**:

- (a) is obliged to use it in the preparation of the **Seven Year Statement** and in any further information given pursuant to the **Seven Year Statement**;
- (b) is obliged to use it when considering and/or advising on applications (or possible applications) of other **Users** (including making use of it by giving data from it, both orally and in writing, to other **Users** making an application (or considering or discussing a possible application) which is, in **NGC's** view, relevant to that other application or possible application);
- (c) is obliged to use it for **NGC** operational planning purposes;
- (d) is obliged under the terms of an **Interconnection Agreement** to pass it on as part of system information on the **Total System**.