



CONSULTATION DOCUMENT
CUSC Amendment Proposal CAP145
Embedded Generator MW Register

*The purpose of this document is to
consult on Amendment Proposal CA145
with CUSC Parties and other interested
Industry members*

Amendment Ref	CAP145
Issue	1.0
Date of Issue	8 th February 2007
Prepared by	National Grid

I DOCUMENT CONTROL

a National Grid Document Control

Version	Date	Author	Change Reference
1.0	8/2/2007	National Grid	Formal version for release

b Document Location

National Grid website:

www.nationalgrid.com/uk/electricity/codes/

c Distribution

Name	Organisation
CUSC Parties	Various
Panel Members	Various
Interested Parties	Various
Core Industry Document Owners	Various
National Grid Industry Information Website	-

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1.0 SUMMARY AND VIEWS

Executive Summary

- 1.1 CAP145 – Embedded Generator MW Register was proposed by National Grid and submitted to the Amendments Panel on 26th January 2007. .
- 1.2 CAP145 aims to address an information gap regarding the publication of GB transmission capacity. At present the TEC register publishes all new offers of TEC within 5 business days but does not include Embedded Generators with a BELLA or Relevant Medium Power Stations or Relevant Small Power Stations, even though all Users have an impact upon the total capacity of the GB transmission system. Therefore, if changes occur capacity may become available which could allow other Users to connect with fewer transmission works and / or to connect earlier than their currently contracted date (subject to the requisite Modification Application being made and the resulting Modification Offer being signed).
- 1.3 CAP145 proposes to develop and provide a register similar in format and information as the TEC Register to publish certain details regarding Embedded Generators with a BELLA's, Relevant Medium Power Stations and Relevant Small Power Stations.

National Grid's View

- 1.4 National Grid, as the proposer of CAP145 is supportive of the Amendment Proposal, believing that it would better facilitate achievement of the Applicable CUSC Objectives (a) and (b).

Amendment Panels View

- 1.5 The Amendments Panel agreed that CAP145 should proceed to wider consultation by National Grid for a period of 4 weeks.

1.0 PURPOSE AND INTRODUCTION

- 1.1 This is a consultation document issued by National Grid under the rules and procedures specified in the Connection and Use of System Code (CUSC) as designated by the Secretary of State.
- 1.2 Further to the submission of Amendment Proposal CAP145, this document seeks views from industry members relating to the Amendment Proposal.
- 2.3 CAP145 was proposed by National Grid and submitted to the CUSC Amendments Panel for consideration at their meeting on 26th January 2007. The Amendments Panel determined that CAP145 was appropriate to proceed to wider industry consultation by National Grid.
- 2.4 This consultation document outlines the nature of the CUSC changes that are proposed. Representations received in response to this consultation document will be included in National Grid's Amendment Report that will be furnished to the Authority for their decision.
- 2.5 This consultation document has been prepared in accordance with the terms of the CUSC. An electronic copy can be found on the National Grid website, at www.nationalgrid.com/uk/Electricity/Codes/ and the Amendment Proposal form. This document invites views upon CAP145 and the **closing date is 8th March 2007 at 5pm** for responses including any Consultation Alternatives.

- 2.6 CUSC Parties are reminded that any Consultation Alternatives must be submitted by the above closing date and must be in writing and contain sufficient detail in accordance with the requirements within CUSC 8.15.2

3.0 PROPOSED AMENDMENT

- 3.1 CAP145 proposes to develop and provide a register, in a similar format and information as the TEC register, to publish certain details about Embedded Generator's with BELLA's, Relevant Medium Power Stations and Relevant Small Power Stations.
- 3.2 The proposer believes this will prove a more comprehensive and timely picture of the availability of GB Transmission capacity than currently achieved through the information provided by the SYS and TEC register alone, as it would provide data currently published in the SYS under Grid Code P.C 4.3.1 in the same timescales as the TEC register (i.e. updated within 5 business days rather than quarterly).
- 3.3 National Grid believes there is an information gap regarding the publication of GB transmission capacity. At present only information regarding new offers for TEC are published via the TEC Register (within 5 business days as per CUSC 6.30). However, BELLA's, Relevant Embedded Medium Power Stations and Relevant Embedded Small Power Stations also impact upon the total capacity of the GB transmission system and National Grid takes their presence into account when designing and reinforcing the transmission system through data received under the Grid Code.
- 3.4 Therefore, if changes occur e.g. an Embedded generator with a BELLA, a Relevant Embedded Medium Power Station or Relevant Embedded Small Power Station withdraws, capacity may become available which could allow other Users to connect with fewer transmission works and / or to connect earlier than their currently contracted date (subject to the requisite Modification Application being made and the resulting Modification Offer being signed).

4.0 ASSESSMENT AGAINST APPLICABLE CUSC OBJECTIVES

Proposed Amendment

- 4.1 CAP145 would better facilitate CUSC Objectives;
- (a) The efficient discharge by the licensee of the obligations imposed upon it under the Act and by the Transmission Licence*
- (b) Facilitating effective competition in the generation and supply of electricity, and (so far as consistent therewith) facilitating such competition in the sale, distribution and purchase of electricity.*
- 4.2 CAP145 will provide Users with a more complete and timelier picture of GB transmission capacity. This will better enable Users to identify opportunities to connect earlier as a result of changes to the system background. If implemented the proposed changes will further the efficient use of the system and better facilitate competition in generation.

5.0 PROPOSED IMPLEMENTATION

- 5.1 National Grid proposes CAP145 should be Implemented 3 months after an Authority decision to ensure the register and the website can be developed. In accordance with 8.19.3(b) views are invited on this proposed implementation date.

6.0 IMPACT ON THE CUSC

- 6.1 CAP145 requires the introduction of new paragraphs with CUSC Section 6 – General Provisions, Section 11 – Interpretations and Definition and Exhibit U CUSC Request for a Statement of Works. The text required to give effect to the Proposal is contained in Annex 1 of this document.

7.0 IMPACT ON INDUSTRY DOCUMENTS

- 7.1 CAP145 has no impact upon Core Industry Documents. CAP145 has no impact upon User Industry Computer Systems/Processes but as an impact upon National Grid's website. A bulletin board will need to be developed on National Grid's website to publish the register, as per the existing TEC register.

8.0 INITIAL VIEW OF THE AMENDMENTS PANEL

- 8.1 The Amendments Panel agreed that CAP145 should proceed to wider consultation by National Grid, for a period of 4 weeks,

9.0 INITIAL VIEW OF NATIONAL GRID

- 9.1 National Grid believes CAP145 would provide Users with a more complete and timelier picture of the GB transmission capacity, which may provide Users with the opportunity to identify possibilities to connect earlier as a result of changes to the system background. If CAP145 was implemented this will further the efficient use of the system and better facilitate competition in generator.
- 9.2 National Grid believes for the reasons stated above this would better achieve CUSC Applicable Objective (a) and (b).

10.0 VIEWS INVITED

- 10.1 National Grid is seeking the views of interested parties in relation to the issues raised by Amendment Proposal CAP145 and issues arising from the proposed timescale for implementation.
- 10.2 Please send your responses to this consultation to National Grid by no later than 5pm on **8th March 2007.**
- 10.3 Please address all comments to the following e-mail address:

Beverley.viney@uk.ngrid.com

Or alternatively, comments may be addressed to:

Beverley Viney
Amendments Panel Secretary
Electricity Codes
National Grid
National Grid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

ANNEX 1 - PROPOSED LEGAL TEXT TO MODIFY THE CUSC

The proposed Legal text to modify the CUSC is detailed below by inserting the coloured underlined text.

Section 6 – General Provisions

6.34 Embedded Generator MW Register

6.34.1 **The Company** shall establish and maintain the **Embedded Generator MW Register** published on **The Company Website** recording the details set out in 6.34.2.

6.34.2 The **Embedded Generator MW Register** shall set out:

- the name of **Embedded Generator’s** who have a **BELLA** or who are a **Relevant Embedded Medium Power Station** or a **Relevant Embedded Small Power Station**,
- the site of connection to the **Distribution System** and the relevant **Grid Supply Point**,
- the proposed year of connection to the **Distribution System** and
- the maximum output of the **Embedded Generator’s** in MW’s as set out in the **BELLA** or provided by the **Authorised Electricity Operator** to whose **Distribution System** that **Embedded Generator** is to connect.

6.34.3 **The Company** shall record the details of any new **BELLA’s** or any changes to existing **BELLA’s** on the **Embedded Generator MW Register** within **5 Business Days** of completion of such agreements.

6.34.4 **The Company** shall record the details provided by the **Authorised Electricity Operator** in respect of a **Relevant Embedded Medium Power Station** or a **Relevant Embedded Small Power Station** or any changes on the **Embedded Generator MW Register** within **5 Business Days** of receipt of the information.

CUSC Section 11 – Interpretation and Definitions

Insert the following new definition

Embedded Generator MW Register	the register set up by The Company pursuant to Paragraph 6.34
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Exhibit U – Request for a Statement of Works Users that own or operate a Distribution System

Insert a new sentence to the end of paragraph 1

PLEASE STUDY THE FOLLOWING NOTES BEFORE COMPLETING AND SIGNING THIS APPLICATION FORM.

- 1** **The Company** requires the information requested in this application form for the purposes of assessing the impact of a **Relevant Embedded Medium Power Station** or a **Relevant Embedded Small Power Station** upon the **GB Transmission System**. It is essential that the **User** submitting this **Request for a Statement of Works** should supply all information requested in this application form and that every effort should be made to ensure that such information should be accurate. **Please note certain information provided in this application may be used in accordance with Paragraph 6.34.**

ANNEX 2 – AMENDMENT PROPOSAL FORM

CUSC Amendment Proposal Form	CAP:145
Title of Amendment Proposal: Embedded Generator MW Register	
Description of the Proposed Amendment (<i>mandatory by proposer</i>): It is proposed to develop and provide a register in a similar format to the TEC register publishing certain details about Embedded Generator's with BELLA's, Relevant Medium Power Stations and Relevant Small Power Stations similar to the information provided on the TEC register. This will prove a more comprehensive and timely picture of the availability of GB Transmission capacity than currently achieved through the information provided by the SYS and TEC register alone as it would provide data currently published in the SYS under Grid Code P.C 4.3.1 in the same timescales as the TEC register (i.e. updated within 5 business days rather than quarterly). This will enable Users (whether they are Transmission or Distribution connected) to better determine whether there is a likelihood that fewer transmission works would be needed to facilitate their connection or whether they could connect earlier than their currently contracted date. (The current process for a User to seek a change would remain unchanged i.e. via a Modification Application by the User or via the user's Distribution System Owner applying on their behalf in relation to a DNO Construction Agreement with National Grid).	
Description of Issue or Defect that Proposed Amendment seeks to Address (<i>mandatory by proposer</i>): There is currently an information gap regarding the publication of GB transmission capacity. At present only information regarding new offers for TEC are published via the TEC Register (within 5 business days as per CUSC 6.30). However, BELLA's, Relevant Embedded Medium Power Stations and Relevant Embedded Small Power Stations also impact upon the total capacity of the GB transmission system and National Grid takes their presence into account when designing and reinforcing the transmission system through data received under the Grid Code. Therefore if changes occur e.g. an Embedded generator with a BELLA, a Relevant Embedded Medium Power Station or Relevant Embedded Small Power Station withdraws, capacity may become available which could allow other Users to connect with fewer transmission works and / or to connect earlier than their currently contracted date (subject to the requisite Modification Application being made and the resulting Modification Offer being signed)	
Impact on the CUSC (<i>this should be given where possible</i>): It is proposed to introduce new paragraphs with CUSC Section 6 – General Provisions, Section 11 – Interpretation and Definition and Exhibit U CUSC Request for a Statement of Works regarding this new register and the information to be published. See Annex 1 to this document for proposed legal text.	
Impact on Core Industry Documentation (<i>this should be given where possible</i>): None anticipated	
Impact on Computer Systems and Processes used by CUSC Parties (<i>this should be given where possible</i>): Development of a bulletin board to publish the data, via web based technology as per the existing TEC Register.	
Details of any Related Modifications to Other Industry Codes (<i>where known</i>): N/A	

Justification for Proposed Amendment with Reference to Applicable CUSC Objectives** (*mandatory by proposer*):

This amendment will provide Users with a more complete and timelier picture of GB transmission capacity. This will better enable Users to identify opportunities to connect earlier as a result of changes to the system background. If implemented the proposed changes will further the efficient use of the system and better facilitate competition in generation. Consequently, better facilitating both CUSC Applicable Objective's (a) and (b).

Details of Proposer: Organisation's Name:	National Grid
Capacity in which the Amendment is being proposed: (i.e. CUSC Party, BSC Party or "energywatch")	CUSC Party
Details of Proposer's Representative: Name: Organisation: Telephone Number: Email Address:	Emma Carr National Grid 01926 655843 Emma.j.carr@uk.ngrid.com
Details of Representative's Alternate: Name: Organisation: Telephone Number: Email Address:	Phil Collins National Grid 01926 656143 Phil.collins@uk.ngrid.com
Attachments (Yes/No): Yes – see Annex 1 for proposed legal text and Annex 2 for an example of the proposed register based on current SYS data	

Notes:

1. *Those wishing to propose an Amendment to the CUSC should do so by filling in this "Amendment Proposal Form" that is based on the provisions contained in Section 8.15 of the CUSC. The form seeks to ascertain details about the Amendment Proposal so that the Amendments Panel can determine more clearly whether the proposal should be considered by a Working Group or go straight to wider National Grid Consultation.*
2. *The Panel Secretary will check that the form has been completed, in accordance with the requirements of the CUSC, prior to submitting it to the Panel. If the Panel Secretary accepts the Amendment Proposal form as complete, then he will write back to the Proposer informing him of the reference number for the Amendment Proposal and the date on which the Proposal will be considered by the Panel. If, in the opinion of the Panel Secretary, the form fails to provide the information required in the CUSC, then he may reject the Proposal. The Panel Secretary will inform the Proposer of the rejection and report the matter to the Panel at their next meeting. The Panel can reverse the Panel Secretary's decision and if this happens the Panel Secretary will inform the Proposer.*

The completed form should be returned to:

Beverley Viney
Panel Secretary
Commercial Frameworks
National Grid
National Grid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

Or via e-mail to: Beverley.Viney@uk.ngrid.com

(Participants submitting this form by email will need to send a statement to the effect that the proposer acknowledges that on acceptance of the proposal for consideration by the Amendments Panel, a proposer which is not a CUSC Party shall grant a licence in accordance with Paragraph 8.15.7 of the CUSC. A Proposer that is a CUSC Party shall be deemed to have granted this Licence).

3. Applicable CUSC Objectives** - These are defined within the National Grid Company Transmission Licence under Section C7F, paragraph 15. Reference should be made to this section when considering a proposed amendment.

ANNEX 1 – Proposed legal text

CUSC Section 6 – General Provisions

Insert the following new paragraphs as 6.34 and amend Section 6 contents page accordingly

6.34 **Embedded Generator MW Register**

6.34.1 **The Company** shall establish and maintain the **Embedded Generator MW Register** published on **The Company Website** recording the details set out in 6.34.2.

6.34.2 The **Embedded Generator MW Register** shall set out:

- the name of **Embedded Generator's** who have a **BELLA** or who are a **Relevant Embedded Medium Power Station** or a **Relevant Embedded Small Power Station**,
- the site of connection to the **Distribution System** and the relevant **Grid Supply Point**,
- the proposed year of connection to the **Distribution System** and
- the maximum output of the **Embedded Generator's** in MW's as set out in the **BELLA** or provided by the **Authorised Electricity Operator** to whose **Distribution System** that **Embedded Generator** is to connect.

6.34.3 **The Company** shall record the details of any new **BELLA's** or any changes to existing **BELLA's** on the **Embedded Generator MW Register** within 5 **Business Days** of completion of such agreements.

6.34.4 **The Company** shall record the details provided by the **Authorised Electricity Operator** in respect of a **Relevant Embedded Medium Power Station** or a **Relevant Embedded Small Power Station** or any changes on the **Embedded Generator MW Register** within 5 **Business Days** of receipt of the information.

CUSC Section 11 – Interpretation and Definitions

Insert the following new definition

Embedded Generator MW Register	ster set up by The Company pursuant to Paragraph 6.34
---------------------------------------	--

Exhibit U – Request for a Statement of Works Users that own or operate a Distribution System

Insert a new sentence to the end of paragraph 1

PLEASE STUDY THE FOLLOWING NOTES BEFORE COMPLETING AND SIGNING THIS APPLICATION FORM.

- 2** The Company **requires the information requested in this application form for the purposes of assessing the impact of a Relevant Embedded Medium Power Station or a Relevant Embedded Small Power Station upon the GB Transmission System. It is essential that the User submitting this Request for a Statement of Works should supply all information requested in this application form and that every effort should be made to ensure that such information should be accurate. Please note certain information provided in this application may be used in accordance with Paragraph 6.34.**

ANNEX 2 – Example of proposed Embedded Generator Capacity Register

Embedded Generator MW Register

<u>Embedded Generator</u>	<u>Connection Site</u>	<u>GSP</u>	<u>MW</u>	<u>Completion Date</u>
Airtricity Developments (Scotland) Ltd	Braes of Doune	Braco	74.0	31/08/2006
Airtricity Developments (Scotland) Ltd	Greenock Wind Farm	Devol Moor	55.0	31/12/ 2007
Airtricity Developments (Scotland) Ltd	Minsca	Chapelcross	37.5	30/04/2007
SSE Generation Limited	Lairg - Achany Wind Farm	Lairg 132kV/33kV Substation	62.0	31/07/2008
Eurus Energy UK Limited	Largie Wind, South Kintyre	Carradale	40.0	01/11/2007
Barrow Offshore Wind Ltd	Barrow Offshore Windfarm	Barrow Offshore Windfarm	99.9	01/10/2005
Seascope Energy Limited	Burbo Bank	Birkenhead GSP	99.0	01/01/2007
Catamount Energy Limited	Berry Burn Windfarm	Berry Burn	82.5	31/10/2011