

CUSC Amendment Proposal Form	CAP043
<p><b>Title of Amendment Proposal:</b></p>	
<p>Transmission Access - Definition.</p>	
<p><b>Description of the Proposed Amendment</b> (<i>mandatory by proposer</i>):</p> <p>It is proposed to introduce amendments to the Transmission Access arrangements for effect from 1 April 2003. The proposed changes are based on National Grid's Strawman A model (introduced during the Transmission Access Standing Group (TASG) discussions). The specific changes proposed are as follows:</p> <ul style="list-style-type: none"> <li>• The development of clear and unambiguous 'capacity' products and terminology in the CUSC and the introduction of a new product termed "Entry Access Capacity". This represents a generator's maximum allowed export (during a particular financial year) onto the National Grid transmission system and will represent the capacity upon which TNUoS charges are to be based. The Entry Access Capacity will initially be allocated to existing generators based on the current data contained in Appendix C of their bilateral agreements (this data was conformed when the CUSC was introduced in September 2001). Applications for new generators will specify their Entry Access Capacity in their Application;</li> <li>• The express ability for generators to increase or decrease their Entry Access Capacity; and</li> <li>• The different rights and obligations associated with having specific transmission entry access rights.</li> </ul> <p>The above sets out the necessary changes to establish a clear framework for Transmission Access arrangements.</p>	
<p><b>Description of Issue or Defect that Proposed Amendment seeks to Address</b> (<i>mandatory by proposer</i>):</p> <p>The proposed changes establish a clear capacity product and rationalise the different 'capacity' terminology used throughout the CUSC making it clear what rights and obligations flow from each "capacity" product. This removes the current ambiguity from the CUSC.</p> <p>In addition to the above, under the current rules, existing and new generators are effectively able to 'reserve' transmission system capability that they may never use in the future (and without having to incur TNUoS charges). Such treatment may prevent (or delay) a new generator from connecting to the transmission system, an existing generator increasing its 'output' and/or may lead to unnecessary transmission system reinforcements being carried out. CUSC Amendment Proposal CAP043 proposes changes to the current transmission access arrangements (for effect from April 2003) and ensures that generators pay for the access capacity they reserve whether or not they use it. Such change will encourage more efficient use of the transmission system and improve signals to generators about the transmission costs associated with locating at different points on the network.</p> <p>It should be noted that the proposed changes still allow generators to reduce their Entry Access Capacity (and hence reduce their TNUoS charges). However, under such circumstances, the generator does not reserve the Entry Access Capacity for future use.</p>	
<p><b>Impact on the CUSC</b> (<i>this should be given where possible</i>):</p> <p>The above changes will impact on Sections 2, 3, 5, 6, and 11, Schedule 2 and Exhibit B of the CUSC as necessary.</p>	
<p><b>Impact on Core Industry Documentation</b> (<i>this should be given where possible</i>):</p> <p>Although not a core industry document, the above changes will impact on National Grid's Statement of the Use of System Charging Methodology.</p>	
<p><b>Impact on Computer Systems and Processes used by CUSC Parties</b> (<i>this should be given where possible</i>):</p> <p>None</p>	

<b>Details of any Related Modifications to Other Industry Codes</b> (where known):	
None	
<b>Justification for Proposed Amendment with Reference to Applicable CUSC Objectives**</b> (mandatory by proposer):	
Promoting more efficient use of the transmission system and improving pricing signals to Transmission System Users enables National Grid to more easily and efficiently discharge its obligations under the Act and the Transmission Licence and fulfil its obligations to facilitate competition in the generation and supply of electricity.	
<b>Details of Proposer:</b> Organisation's Name:	National Grid
<b>Capacity in which the Amendment is being proposed:</b> (i.e. CUSC Party, BSC Party or "energywatch")	CUSC Party
<b>Details of Proposer's Representative:</b> Name: Organisation: Telephone Number: Email Address:	Richard Court National Grid 024 7642 3116 <a href="mailto:richard.court@uk.ngrid.com">richard.court@uk.ngrid.com</a>
<b>Details of Representative's Alternate:</b> Name: Organisation: Telephone Number: Email Address:	Andy Balkwill National Grid 024 7642 3198 <a href="mailto:andy.balkwill@uk.ngrid.com">andy.balkwill@uk.ngrid.com</a>
<b>Attachments (Yes/No):</b> Yes	
<b>If Yes, Title and No. of pages of each Attachment:</b> Outline of changes required	

**Notes:**

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.

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:

Richard Dunn  
Panel Secretary  
Commercial Development  
National Grid Company plc  
National Grid House  
Kirby Corner Road  
Coventry, CV4 8JY  
Or via e-mail to: [CUSC.Team@uk.ngrid.com](mailto:CUSC.Team@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).

**Attachment**

**Outline of Changes Required**

(i) Modify Paragraph 2.2.4 as follows:

**2.2.4 Registered Capacity Users Connection Capacity**

With respect to a particular connection to the **NGC Transmission System**, each **User** acting in the category of a **Power Station** directly connected to the **NGC Transmission System**, as between **NGC** and that **User**, shall not operate its **User's Equipment** such that any of it exceeds the value of **Users Connection Capacity** set out in Appendix C to the relevant **Bilateral Connection Agreement** save as expressly permitted or instructed pursuant to the **Grid Code** or the **Fuel Security Code** or as may be necessary or expedient in accordance with **Good Industry Practice**.

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*[This capacity is effectively the "name-plate" capability of the equipment installed by the User. For new sites, the connection capacity will be specified in the application and confirmed in the offer. For existing sites, it will equate to the Registered Capacity figure in Users current Appendix C. After this capacity is initially agreed, it can only be increased via a modification application or decreased in accordance with paragraph 6.30.1.]*

(ii) Modify Paragraph 2.3 as follows:

**2.3 EXPORT OF POWER FROM CONNECTION SITE**

Subject to the other provisions of the **CUSC**, the relevant **Bilateral Connection Agreement** and the **Grid Code**, **NGC** shall, as between **NGC** and that **User**, accept into the **NGC Transmission System** at each **Connection Site** of a **User** acting in the category of **Power Station** directly connected to the **NGC Transmission System**, power generated by such **User** up to, ~~in the case of a **Connection Site Commissioned** prior to the **Transfer Date**, the **Maximum Export Capacity**, and in the case of a **Connection Site Commissioned** after the **Transfer Date**, the **Registered Capacity** the **Entry Access Capacity** as set out in Appendix C of the relevant **Bilateral Connection Agreement** except ~~in each case~~ to the extent (if any) that **NGC** is prevented from doing so by transmission constraints which could not be avoided by the exercise of **Good Industry Practice** by **NGC**.~~

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*[This capacity is effectively the 'Transmission Access' that the User acquires for the financial year in question and is the product on which TNUoS charges will be based. A User may reduce their EAC at any time (and hence reduce charges with effect from the next Financial Year), however, a User must follow a 'modification' process if they wish to increase EAC (see paragraph 6.30 that follows).]*

(iii) Modify Paragraph 2.5 as follows:

**2.5 MAINTENANCE OF ASSETS**

Subject to the other provisions of the **CUSC**, the relevant **Bilateral Connection Agreement**, and the **Grid Code**, **NGC** shall as between **NGC** and that **User** use all reasonable endeavours to maintain the **NGC Assets** at each **Connection Site** in the condition necessary to render the same fit for the purpose of passing power up to in the case of a **Connection Site** ~~the value of **Entry Access Capacity Commissioned** prior to the **Transfer Date**, the **Maximum Export Capacity** and/or the **Connection Site Demand Capability**, and in the case of a **Connection Site Commissioned** after the **Transfer Date**, the **Registered Capacity** and/or the **Connection Site Demand Capability** as appropriate between the **User's Equipment** and the **NGC Transmission System**.~~

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(iv) Modify Paragraph 3.2.3 as follows:

3.2.3 ~~Registered Capacity~~Entry Access Capacity

- (a) Other than as provided in Paragraph 3.2.3(b), each **User**, as between **NGC** and that **User**, shall not operate its **User's Equipment** such that any of it exceeds the ~~value~~ Entry Access Capacity set out in Appendix C to the relevant **Bilateral Embedded Generation Agreement** save as expressly permitted and instructed pursuant to the **Grid Code** or the **Fuel Security Code** or as may be necessary or expedient in accordance with **Good Industry Practice**.
- (b) Each **User** in respect of an **Embedded Small Power Station** and a **Distribution Interconnector** and as a **Trading Party** responsible for **Embedded Small Power Stations**, as between **NGC** and that **User**, shall not operate its **User's Equipment** or equipment for which the **User** is responsible (as defined in Section K of the **Balancing and Settlement Code**) such that any of it exceeds the ~~value~~ Entry Access Capacity set out in Appendix C to the relevant **Bilateral Embedded Generation Agreement** save as expressly permitted and instructed pursuant to the **Fuel Security Code** or as may be necessary or expedient in accordance with **Good Industry Practice**.

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(v) Modify Paragraph 3.2.4 as follows:

3.2.4 Subject to the other provisions of the **CUSC** and the **Grid Code** and any relevant **Bilateral Agreement**, **NGC** shall, as between **NGC** and that **User**, accept into the **NGC Transmission System** power generated by each **User** up to, ~~in the case of a site Commissioned prior to the Transfer Date, the Maximum Export Capacity, and in the case of a site (or use) Commissioned after the Transfer Date, the Registered Capacity, in each case~~ Entry Access Capacity set out in Appendix C to the relevant Bilateral Embedded Generation Agreement except to the extent (if any) that **NGC** is prevented from doing so by transmission constraints which could not be avoided by the exercise of **Good Industry Practice** by **NGC**.

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(vi) Modify Paragraph 5.8 as follows:

**5.8 DECOMMISSIONING**

If notice to **Decommission** is given by the **User** under Paragraph 5.6 hereof the **User** may upon expiry of the period specified in such notice and not before, **Decommission** the **User's Equipment**. The relevant **Bilateral Agreement** shall not terminate and:-

- 5.8.1 until the end of the **Financial Year** in which the **Decommissioning** takes place all **Connection Charges** and **Use of System Charges** payable by the **User** under the relevant **Bilateral Agreement** and the **CUSC** shall continue to be payable in full; and
- 5.8.2 following the end of the **Financial Year** in which the **Decommissioning** takes place the **Use of System Charges** payable by the **User** under the relevant **Bilateral Agreement** and the **CUSC** shall no longer be payable by the **User** ~~provided the User has reduced its Entry Access Capacity to zero~~ but the **Connection Charges** so payable shall continue to be payable.

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If and when the **User** wishes to **Re-Commission** the **User's Equipment** it shall give **NGC** not less than 3 months written notice unless a shorter period is agreed between the **User** and **NGC** ~~but in order to increase its Entry Access Capacity the User will need to request an increase in its Entry Access Capacity in accordance with paragraph 3.20.~~

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*[Effectively the same as reducing EAC to zero, however, if decommissioned, the obligation to remain connected is removed. The User may subsequently re-commission (after giving 3 months notice), however, if the User had reduced its EAC to zero (to avoid paying TNUoS), the User will need to request an increase in its EAC in accordance with paragraph 3.20.]*

(vii) Add new Paragraph 6.30 as follows:

**6.30 Revision of Entry Access Capacity**

**6.30.1 Decrease in Entry Access Capacity**

6.30.1.1 Each **User** shall be entitled to decrease the **Entry Access Capacity** for a **Generating Unit** upon giving **NGC** notice in writing prior to the 30 March in any **Financial Year**.

6.30.1.2 **NGC** shall as soon as practicable after receipt of such notice issue a revised **Appendix C** for the purposes of the relevant **Bilateral Agreement** reflecting the decrease in the **Entry Access Capacity**.

6.30.1.3 The decrease in the **Entry Access Capacity** shall take effect on the first of April following receipt of the notice and from that date **Transmission Network Use of System Charges** shall be calculated on the basis of such revised **Entry Access Capacity**.

**6.30.2 Increase in Entry Access Capacity**

Each **User** shall be entitled to request an increase in its **Entry Access Capacity** for a **Generating Unit** up to a maximum of its **Users Connection Capacity** for the **Generating Unit** and such request shall be deemed to be a **Modification** for the purposes of the **CUSC**.

*[Outlines the process for revising EAC. A User may acquire additional EAC by any, or a combination of the following:*

- *By taking up any 'spare' EAC that exists in the transmission system;*
- *Via transmission system reinforcements (subject to necessary consents being obtained);*
- *Acquiring EAC from an existing User(s) who in turn would decrease its EAC in accordance with paragraph 6.30.1 (essentially trading at the same node/at different nodes);*

*The detail of this process will be included in an explanatory note [or in the Charging Methodology Statements]]*

(viii) Modify the Definitions of Section 11 as follows:

**"Entry Access Capacity"** represents the maximum amount of power (MW) that can be exported onto the **NGC Transmission System** from a **Generating Unit** as specified in Appendix C of the relevant **Bilateral Connection Agreement** or **Bilateral Embedded Generation Agreement**.

**"Generation Capacity"** the normal full load capacity of a **Generating Unit** as declared by the **Generator**, less the MW consumed by the **Generating Unit** through the **Generating Unit's** unit transformer when producing the same;

**"Maximum Export Capacity"** as defined in the **Grid Code**;

**"Users Connection Capacity"** represents the figure as specified as such for each **Generating Unit** in Appendix C of the relevant **Bilateral Connection Agreement**;

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(ix) Modify Paragraph 7 of Schedule 2, Exhibit 1 as follows:

7. ~~REGISTERED CAPACITY~~USERS CONNECTION CAPACITY AND ENTRY ACCESS CAPACITY

The ~~Registered Capacity~~Users Connection Capacity and the Entry Access Capacity of the ~~Connection Site~~ and the value, for the purposes of Paragraph 2.2 of the ~~CUSC~~ in relation to the ~~Connection Site~~, are specified in Appendix C.

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(x) Modify Paragraph 7 of Schedule 2, Exhibit 2 as follows:

7. ~~REGISTERED CAPACITY~~ENTRY ACCESS CAPACITY

The ~~Registered Capacity~~Entry Access Capacity of [each of the] the site[s] of ~~Connection~~ is [are] ~~and the[ir]~~ value[s] for the purposes of Paragraph 3.2 of the ~~CUSC~~ are specified in Appendix C.

(xi) Modify Appendix C of Schedule 2, Exhibit 1 as follows:

APPENDIX C

REGISTERED CAPACITY - VALUE

Company:

Grid Supply Point/Connection Site:

Set \_\_\_\_\_ Type / Fuel \_\_\_\_\_ Registered Capacity (MW)

1 Users Connection Capacity

Generating Unit \_\_\_\_\_ Users Connection Capacity (kW)

This Appendix sets out the ~~Registered Capacity~~ of the ~~Connection Site~~. The value at the ~~Connection Site~~ for the purposes of Paragraph 2.2 of the ~~CUSC~~ is [ \_\_\_\_\_ ].

2 Entry Access Capacity

Generating Unit \_\_\_\_\_ Entry Access Capacity (kW)

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(xii) Modify Appendix C of Schedule 2, Exhibit 2 as follows:

APPENDIX C

REGISTERED CAPACITY - VALUE

Set \_\_\_\_\_ Type/Fuel \_\_\_\_\_ Registered Capacity (MW)

This Appendix sets out the ~~Registered Capacity~~ at the site of connection. The value for the purposes of Paragraph 3.2 of the ~~CUSC~~ is [ \_\_\_\_\_ ].

1 Entry Access Capacity

Generating Unit \_\_\_\_\_ Entry Access Capacity (kW)

(xiii) Modify Section C of Exhibit B as follows:

**NGC - APPLICATION FOR A NEW CONNECTION**

**PLEASE ENSURE THAT YOU HAVE STUDIED THE NOTES BEFORE COMPLETING AND SIGNING THIS APPLICATION FORM**

**C. TECHNICAL INFORMATION**

1. Please provide the data listed in Part 1 of the Appendix to the **Planning Code** which are applicable to you. Note: the data concerned form part of the **Planning Code** and **Data Registration Code**. **Applicants** should refer to these sections of the **Grid Code** for an explanation.
2. Please provide a copy of your Safety Rules if not already provided to NGC
3. Please indicate any terms which you are prepared to offer for:-

(a) Black Start Capability	YES/NO
(b) Gas Turbine Unit Fast Start	YES/NO
(c) Synchronous Compensation	YES/NO
(d) Pumped Storage Unit Spinning-in-Air	YES/NO
(e) Pumped Storage	YES/NO
(f) Pumped Storage Plant Fast Start from Standstill	YES/NO
(g) Demand Reduction	YES/NO
(h) Adjustment to Pumped Storage Unit Pumping Programme	YES/NO
(i) Hot Standby	YES/NO
4. Please enclose a draft **Interface Agreement** (if applicable).
5. [Please confirm your intended **Users Connection Capacity** (i.e. the name plate rating of the equipment)]
6. Please confirm the intended **Entry Access Capacity** of each generating unit.