

## Codes Summary

This document provides a summary as to latest developments concerning the various other Industry Codes. Further detailed information can be found at <http://www.nationalgrid.com/uk/Electricity/Codes/>

### **CUSC**

**CAP161** (Transmission Access – System Operator Release for Short-Term Entry Rights) – CUSC Panel Vote held on 19<sup>th</sup> December 2008. Amendment Report is now with Ofgem.

**CAP162** (Transmission Access – Entry Capacity Sharing) – CUSC Panel Vote held on 19<sup>th</sup> December 2008. Amendment Report is now with Ofgem.

**CAP163** (Transmission Access – Entry Capacity Sharing) – CUSC Panel Vote held on 19<sup>th</sup> December 2008. Amendment Report is now with Ofgem.

**CAP164** (Transmission Access – Connect & Manage) – CUSC Panel Vote held on 19<sup>th</sup> December 2008. Amendment Report is now with Ofgem.

**CAP165** (Transmission Access – Finite Long-Term Entry Rights) – CUSC Panel Vote held on 19<sup>th</sup> December 2008. Amendment Report is now with Ofgem.

**CAP166** (Transmission Access – Long-Term Entry Capacity Auctions) – CUSC Panel Vote held on 27<sup>th</sup> February. Amendment Report is now with Ofgem.

**CAP167** (Definition of a threshold(s) associated with the request for a Statement of Works) - CUSC Panel Vote held on 30<sup>th</sup> January 2009. Amendment Report is now with Ofgem.

**CAP168** (Under-use and reallocation of TEC) - Assessed as Urgent. Amendment Report sent to Ofgem on 20<sup>th</sup> May 2009.

**CAP169** Provision of Reactive Power from Power Park Modules, Large Power Stations and Embedded Power Stations – CUSC Panel Vote held on 30 October 2009. Amendment report is now with Ofgem.

**CAP170** Category 5 System to Generator Operational Intertripping Scheme – CUSC Panel vote held on 23rd March 2009. Amendment Report is now with Ofgem.

**CAP173** Reactive Power Market Tender Process - Authority approved CAP173 on 19 November 2009 with an implementation date of 1 April 2010.

**CAP174** Amendment to Exhibit B to require provision of location of proposed Offshore Connection Site Authority approved CAP174 on 19 November 2009 with an implementation date 24 November 2009.

**CAP175** Urgent Amendment Proposals – revisions to process - CUSC Panel voted unanimously that CAP175 Better Facilitates Achievement of Applicable Objective (a). Final report to be submitted to Ofgem shortly.

**CAP176** Correction of errors contained in the CUSC provisions for post-implementation reviews for Urgent Amendment Proposals – CUSC Panel voted unanimously that CAP176 Better Facilitates Achievement of Applicable Objective (a). Final report to be submitted to Ofgem shortly.

**CAP177** Removal of CUSC Amendments Panel's ability to raise Amendment Proposals - CUSC Panel voted unanimously that CAP177 Better Facilitates Achievement of Applicable Objective (a). Final report to be submitted to Ofgem shortly.

**CAP178** Amendments to the process for the approval of CUSC Amendments Panel meeting minutes when an Amendments Panel meeting has been cancelled - CUSC Panel voted unanimously that

**CAP178** Better Facilitates Achievement of Applicable Objective (a). Final report to be submitted to Ofgem shortly.

### **Grid Code**

The most recent meeting of the **Grid Code Review Panel** was held on 19<sup>th</sup> November 2009 and the next meeting will take place on 19<sup>th</sup> November 2009.

### **Consultation Documents**

**B/09** – Category 5 System to Generator Inter-tripping Scheme. Urgent Grid Code Modification to include a definition of a Category 5 Inter-tripping Scheme in the Grid Code in tandem with CAP 170. A report was submitted to the Authority on 25<sup>th</sup> March. Ofgem published the Regulatory Impact Assessment (RIA) on 21st May for CAP170. B/09, which closed on 2nd July. A subsequent related RIA on Charging Methodology proposal GB ECM-18 regarding the introduction of locational signals within Balancing Services Use of System (BSUoS) tariffs has been published by the Authority, which will close on 21<sup>st</sup> Jan 2010.

**C/09** – Housekeeping amendments. Consultation was published on 1<sup>st</sup> May and responses were received prior to 1<sup>st</sup> June 2009. Additional housekeeping changes were identified relating to the recently implemented offshore codes and Ofgem have been contacted to clarify their preferred way forward.

**D/09** – At the Grid Code Review Panel meeting held on 21<sup>st</sup> May 2009 it was agreed that the issue of Automatic LFDD should proceed to consultation by National Grid. The consultation was published on 3<sup>rd</sup> September and five responses were received. A concluding Report to the Authority was submitted on Friday 11<sup>th</sup> December 09.

**E/09** – The simultaneous Grid Code and CUSC consultations for CAP169 (Provision of Reactive Power from Power Park Modules, Large Power Stations and Embedded Power Stations) closed on the 7<sup>th</sup> October and various responses were received. A report was presented at the November 2009 CUSC panel and a Grid Code Report to the Authority was published in mid November.

**F/09** – Some consequently Grid Code amendments were required following the raising of BSC modification P243. A Consultation was raised in late October and a final Report to the Authority was published on 11<sup>th</sup> December 2009

## **Working Groups**

### **New Grid Code Working Group on PNs from Intermittent Generation**

The industry Working Group was established to determine what the reporting arrangements should be regarding the submission of Physical Notifications by Intermittent Generation technologies.

### **Grid Code Compliance Process Working Group**

The Working Group presented its report to the February Panel meeting. The Panel agreed that after a further iteration with the Grid Code community to progress certain issues which have not quite been developed sufficiently National Grid should proceed to consultation. A further meeting of the Working Group was held on 6<sup>th</sup> July 2009 and some further progress was made, although on certain issues (e.g. validation of models) there is still disagreement between National Grid and the Generators on the approach that should be employed which will not now be resolved. Where there are differences between National Grid and the Grid Code community these will be described in the consultation document. National Grid is anticipating the publication of the Grid Code consultation document in the Autumn/ Winter 2009.

### **GIS Working Group**

The last Working Group meeting was held on the 16<sup>th</sup> November 2009. The Working Group is currently discussing several issues, including the level of competition in the maintenance of generation owned Gas Insulated Switchgear assets and the assessment of the original proposal at a Distribution Network Operator site. The next meeting is to be held on 22<sup>nd</sup> December 2009.

### **Frequency Response Working Group**

The last Working Group meeting was held on 9<sup>th</sup> December 2009. The industry representatives reported back that for both Nuclear and Wind future generation technology there was little or no additional capital or operating costs associated with the provision of frequency response although there may be potential damage to the plant through repetitive provision of response or there may be a cost associated with having to operate for long periods of time in a constrained manor. The Working Group is looking at improved ways in which to define a Frequency Response “product” and to whether a separate obligation for inertial may be needed.

### **Reactive Power Working Group**

The Working Group is expected to commence work in Winter 2009.

### **E3C OC6.6 Working Group (Low Frequency Demand Disconnection scheme)**

A Report to the Authority was submitted on 11<sup>th</sup> December with some amendments to the Grid Code to improve the consistency and robustness of the Scheme.

### **E3C Small Embedded Generation Frequency Obligation Working Group**

The last meeting of the Group would be held on 19<sup>th</sup> October 2009 and an agreed 2 stage way forward was found. The first is a change to the Distribution Code, requiring all future small generators (>5MW) to stay connected under the frequency obligation range currently applied to large generators under the Grid Code. Existing small generators will also have to stay connected within that range unless there is sufficient justification to not do so (such as excessive vibration or over heating). The second recommendation will be dependant upon further technical work being undertaken (i.e. by a consultancy) and such work would assess whether it is feasible to require existing small generation to remain connected within the Grid Code frequency range, no matter what.

A draft letter was agreed amongst the Working Group, and during the week commencing the 19<sup>th</sup> October the DNO representatives are sending the letter to all embedded generation, larger than 5MW, connected to their distribution systems. Responses from the industry has been slow with less than 5% of generators responding by Mid November, although of those that responded it was generally positive, indicating that frequency protection settings can be altered.

## **Charging**

GB ECM-20: Charging for island connections

National Grid published a consultation on the charging arrangements for island connections on 27 November, 2009. The consultation closes on 15 January, 2010.

### **GB ECM-21: Changing tariffs mid-year to implement the offshore transmission regime**

National Grid published a consultation on the approach to changing tariffs mid-year to implement the offshore transmission regime on 2 December, 2009. The consultation closes on 8 January, 2010

# AMALGAMATED ELECTRICITY CODES AMENDMENT REPORT

## As at 14<sup>th</sup> December 2009

This document contains the Amendment Registers for the CUSC, STC, Charging & Grid Code and is correct as of the above date.

The most up to date versions may be found at the following websites:

STC: [www.nationalgrid.com/uk/Electricity/Codes/sotocode/](http://www.nationalgrid.com/uk/Electricity/Codes/sotocode/)

CUSC: <http://www.nationalgrid.com/uk/Electricity/Codes/systemcode/amendments/>

TCMF: <http://www.nationalgrid.com/uk/Electricity/Charges/modifications/>

Grid Code: [www.nationalgrid.com/uk/Electricity/Codes/gridcode/reviewpanelinfo/](http://www.nationalgrid.com/uk/Electricity/Codes/gridcode/reviewpanelinfo/)

BSC Amendments can be found on the following website:

[www.elexon.co.uk/changeimplementation/ModificationProcess/ModificationReports/default.aspx](http://www.elexon.co.uk/changeimplementation/ModificationProcess/ModificationReports/default.aspx)