

## **Codes Summary – November 2013**

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**

#### **CMP 221 Interruption Compensation in the absence of Market Suspension during a Partial Shutdown**

CMP221 seeks to extend the current CUSC compensation provisions to apply to affected generators where market operations continue concurrently with a Partial Shutdown. This is a consequential modification to BSC Modification P276.

CMP221 was presented to the CUSC Modifications Panel on 27<sup>th</sup> September and the CUSC Modifications Panel agreed that CMP221 should proceed to Code Administrator consultation.

The draft CUSC Modification Report was published on 5 November and the Final Modification Report is due to be presented at the CUSC Panel Meeting on 29 November 2013 where the Panel Recommendation Vote will take place.

#### **CMP 222 User Commitment for Non-Generation Users**

CMP222 seeks to introduce enduring user commitment arrangements for sites where there is an offtake of electricity from the transmission system (excluding generation site supplies), specifically interconnectors, distribution network Grid Supply Points (GSPs) and directly connected loads. These arrangements should not seek to indemnify sunk costs, but to provide an incentive on users to signal their intentions early and hence allow Transmission Owners (TOs) to avoid inefficient investment. It is also intended that they be proportionate to the number and materiality of the users involved.

CMP222 was presented to the CUSC Modifications Panel on 27<sup>th</sup> September and the CUSC Modifications Panel agreed that CMP222 should proceed to a Workgroup.

CMP222 Workgroup Report will be presented at the January 2014 CUSC Panel meeting

#### **CMP 223 Arrangements for Relevant Distributed Generators under the Enduring Generation User Commitment**

CMP223 seeks to address an unintended consequence of the application of CMP192 and related terms under Section 15 of the CUSC. As a consequence of the rules, distribution connected generators deemed to have an impact on the transmission network are faced with undue discrimination in the way that liability and security terms and conditions are set and how the sums are calculated and passed on.

CMP223 was presented to the CUSC Modifications Panel on 27<sup>th</sup> September and the CUSC Modifications Panel agreed that CMP223 should proceed to a Workgroup.

CMP223 Workgroup Report will be presented at the January 2014 CUSC Panel meeting.

#### **CMP 224 Cap on the Total TNUoS Target Revenue to be recovered from Generation Users**

CMP224 has been raised by National Grid Electricity Transmission and seeks to put a cap on the annual generation TNUoS revenue so that the average annual transmission charges payable by the generator always stay within the range specified by the EC regulation. Linking this cap to the range specified by the regulation mitigates risk of any future revisions to this range. This would ensure that National Grid always remains compliant with the EC Regulation.

CMP224 was presented to the CUSC Modifications Panel on 27<sup>th</sup> September and the CUSC Modifications Panel agreed that CMP224 should proceed to a Workgroup.

CMP224 Workgroup Report will be presented at the January 2014 CUSC Panel meeting.

## **BSC**

**P294 (Addition of Offshore Transmission System and OTSUA to the definition of the Total System)** was raised by E.ON UK on 3 June 2013. It proposes to treat Offshore Transmission System User Assets (OTSUA) as part of the Transmission System for purposes of allocating transmission losses under the BSC. This would remove the need for installation of temporary settlement metering at the onshore substation under the enduring 'Generator Build' regime. Consultation responses unanimously supported the BSC Panel's initial recommendation that the Proposed Modification should be approved, and the final Modification Report will be considered by the BSC Panel on 14 November.

**P295 (Submission and publication of Transparency regulation data via the BMRS)** was raised by National Grid on 1 July 2013, and proposes to use the BMRS as a data provider for purposes of implementing the [EU Transparency Regulation](#) in GB. The Modification Group has now completed a four-month Assessment Procedure, and the Assessment Report will be considered by the BSC Panel on 14 November.

**P297 (Receipt and Publication of New and Revised Dynamic Data Items)** was raised by National Grid on 24 July 2013. It proposes to enhance the BMRS to report new and amended Dynamic Data that the Electricity Balancing System (EBS) will support post-Go Live (when EDT\* is made available to parties). The proposed changes are enhancements to the structure of Run-Up Rates and Run-Down Rates; changes to allow time-varying declarations of Stable Export Limit (SEL) and Stable Import Limit (SIL); and reporting of Last Time to Cancel Synchronisation. The Modification Group has now completed a three-month Assessment Procedure, but the Proposer has identified an issue with the detail of the proposed BMRS changes, and the BSC Panel on 14 November will therefore be asked to agree an extension to allow further work and re-consultation with Parties.

## **SQSS**

### **Workgroups in Progress**

#### **GSR010 – Generator Connections**

This workgroup is reconvening to review consultation responses and remaining technical issues. A number of respondents highlighted a need to give further consideration to the effect the proposals may have because of the interaction between design criteria in the SQSS with certain aspects of the CUSC and potential charging issues are to be reviewed.

#### **GSR012 – Interconnectors**

This workgroup is reviewing the approach to interconnectors within the SQSS. The Terms of Reference have been revised to align the work more closely with the SQSS chapters (ie local and wider network issues) and to divide the work into more manageable packages. The initial focus will be on local issues with the workgroup aiming to report on these by January 2014.

#### **GSR014 – Offshore Transformer Bay Requirements**

This workgroup's report on the switching arrangements at the interface point with the on-shore system for off-shore networks has been completed. SQSS wording changes are likely to be proposed. The SQSS Panel will consider the workgroup report and proposed changes at its December meeting. Wider consultation on the changes would then take place.

### **New Modification Proposals**

### **GSR015 – Normal Infeed Loss**

A consultation paper has been prepared for industry circulation in November subject to final comments from SQSS Panel members. It is proposed to revise the definitions of Normal and Infrequent Infeed Loss Risk to clarify the approach to frequency containment. With the Normal Infeed Loss limit increasing to 1,320MW in April 2014, these changes would ensure that extra frequency response would not be procured unless operational risks increase.

### **GSR016 – Embedded Generation Treatment and the Application of Scaling Factors**

The application of the SQSS generation scaling approach and the treatment of increasing levels of embedded generation can produce unrealistic generation backgrounds and impact transmission investment. Terms of Reference for a workgroup to consider and address these issues have been agreed. This work is likely to take around 6 months to complete.

### **Subsynchronous Torsional Interactions (SSTI) / Subsynchronous Resonance (SSR)**

A modification proposal is being drafted after discussion at the SQSS panel. This will set out proposed SQSS drafting for review by the Panel to clarify the criteria used by Transmission Licensees in the design of their networks to mitigate SSR and SSTI, including the need for damping where appropriate. There may be a need to broaden the definition of System Instability in the SQSS. The Panel agreed that amendments to the Grid Code and SQSS should take place in conjunction with each other.

### **Treatment of Switch Faults**

A workgroup is to be established to determine how switch faults should be considered in the SQSS as the consequences of switch faults may increase given generation changes and decreasing system strength. A workgroup invite and Terms of Reference are to be circulated. Switch faults have been considered previously but issues not previously considered in depth such as instability, system splits, cascade tripping and voltage collapse will be assessed.

## **Cross Code Forum**

The latest Cross Codes Forum was held at Elexon, London, on 18 October 2013.

David Kemp of Elexon opened the session with a brief overview of the ten active BSC modifications, of which two are with the authority, five are awaiting implementation, two are undergoing workgroup assessment and one is at the report stage. Adam Hipgrave of National Grid covered eight CUSC modifications, including CMP220, which addresses the removal of BSUoS charges from generators, and CMP221, which covers interruption compensation in the absence of market suspension during partial shutdown, as well as four Grid Code key issues that are in train, including GC0042 – a review of information to be provided on small embedded power stations – and GC0063 which addresses whether Power Available is required in the UK. Electralink's Michael Walls and Verena Leckebusch provided an update on DCUSA change proposals and the Supply Point Administration Agreement respectively. Additional agenda items included updates on EMR (in which Elexon's Mark Bygraves provided insight into the supplier obligation and setting Contract for Difference payments), European Network Codes (with attendees alerted to the development of the European Code Coordination Application Forum as well as being invited to attend the monthly JESG meetings in London) and Smart Metering.

The next Cross Codes Forum will take place in early 2014, with the specific date yet to be confirmed.

## **Operational Forum**

The latest Electricity Operational Forum was held on 2 October 2013. The areas covered were:

- update to operational and system operator costs
- update on BSUoS charging changes
- feedback from the 2013 Winter Consultation and changes planned for the Winter Outlook report
- FFR service review
- EMR contingency products; and
- The most recent STOR Outline Change Proposal

The presentations from the event are available [here](#).