

## **Codes Summary – May 2014**

This document provides a summary as to latest developments concerning the various other Industry Codes. Further detailed information can be found at:

<http://www2.nationalgrid.com/uk/Industry-information/Electricity-codes/>

### **CUSC**

#### **CMP225 Consequential changes following implementation of the Third Package and other miscellaneous changes**

CMP225 has been raised by National Grid Electricity Transmission and seeks to make amendments to CUSC Section 8 to enable the Authority to raise modifications to the CUSC that it considers necessary to comply with or implement the Electricity Regulation and/or any relevant legally binding decisions of the European Commission and/or Agency.

CMP225 has been progressing in parallel with the like for like BSC Modification P298 and is due to be voted on by the CUSC Modifications Panel on 30 May 2014.

### **BSC**

**Redevelopment of BMRS** – Work continues on redeveloping the Balancing Mechanism Reporting Service (BMRS) website to improve the service offered, and increase flexibility for implementing future change. Phase 1 of the project is scheduled for delivery in December 2014, and will deliver Approved Modifications P291 (reporting of REMIT inside information) and P295 (submission and publication of Transparency Regulation data).

**P297 (Receipt and Publication of New and Revised Dynamic Data Items)** was approved by the Authority on 28 April 2014, for implementation on 5 November 2015 as part of the November 2015 BSC Systems Release. This Modification was raised by National Grid on 24 July 2013, and will 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.

**P299 (Allow National Grid access to Metering System Metered Consumption data to support the DSBR service)** was raised by National Grid on 31 January 2014. It proposes to require Half Hourly Data Collectors (HHDCs) to provide the Transmission Company (upon request) metered data for those SVA Metering Systems providing Demand Side Balancing Reserves (DSBR). On 10 April 2014 the BSC Panel agreed to issue the draft Modification Report for consultation, with a recommendation to approve the Modification (with an Implementation Date 10 Working Days following the Authority decision). The results of this consultation will be considered by the BSC Panel meeting on 8 May 2014.

### **SQSS**

**GSR008: Regional Variations and Wider Issues:** This includes a number of proposed amendments such as: adjusted n-1-1 contingency requirements; the use of dynamic ratings; the assumed reactive power output of generation...etc... This modification has been passed to the Authority for a decision. However, due to the length of time this has been awaiting a decision from the Authority, they have advised that this may now need to be re-consulted upon. We are still awaiting their conclusions.

**GSR010: Review of Onshore Entry Criteria:** This aims to revise the requirements for new onshore generation with different levels of connection security based upon the generation capacity and load factor. This modification is on-going. An industry consultation has been carried out and further views are being sought from the industry before a decision is made as to how best to proceed with this proposal.

**GSR011: Review of Offshore Networks:** This considers the offshore criteria for larger windfarms such as the Round 3 developments. Recently new issues have been uncovered with respect to this modification. These continue to be addressed. However, it is still hoped that this modification shall be submitted to the Authority for a decision shortly.

**GSR012: Interconnectors:** This considers a consistent treatment of interconnectors when planning their local connections and their impact on wider infrastructure requirements. This modification has only recently started and a Working-Group has only just been established.

**GSR014: Offshore Requirements at Onshore Substations:** This considers the onshore substation requirements (one or two switch-bays) where offshore cables connect to the onshore network. It is hoped that this modification shall be released for industry consultation shortly.

**GSR015: Normal Infeed Loss Risk:** This proposes to reword the definitions of infeed loss risks to avoid increased costs being incurred to procure additional frequency response until additional risks arise. This modification was submitted to the Authority for a decision on 10<sup>th</sup> March 2014. We are still awaiting their conclusions.

**GSR016: Application of Scaling Factors and the Inclusion of Embedded Wind in NETS SQSS Chapter 4 Studies:** This aims to determine more realistic dispatch levels for generation, including embedded generation, in local and wider system capability studies. The Working-Group is to report its conclusions to the NETS SQSS Review Panel in June 2014.

**GSR017: Treatment of Switch Faults in Operational Timescales:** This is reviewing the risk of switch faults and determining the extent to which switch faults should be secured against given the changing mix of generation and reductions in system strength. The Working-Group is to report its conclusions to the NETS SQSS Review Panel in June 2014.

**Sub-Synchronous Oscillations (SSO):** The NETS SQSS Review Panel agreed to progress work to develop and clarify the transmission licensees' responsibilities with respect to sub-synchronous oscillation issues. An initial meeting and teleconference was held week commencing 17<sup>th</sup> February 2014, following which, the NETS SQSS Review Panel agreed to establish a Working-Group. This is currently in the process of being established and isn't expected to report on its conclusions until April 2015.

**Lack of Reactive Compensation Redundancy in Offshore Transmission Networks:** This is a potentially forthcoming Modification Proposal with respect to the lack of reactive compensation redundancy in offshore transmission networks. Due to modern offshore power park modules moving further away from the shore and having longer AC connections, there is a greater risk that having only a single bank of shunt reactive compensation might cause operational limitations, especially if this shunt compensation is out of service. This issue continues to be further investigated and a Modification Proposal may be raised in the near future.

**Single vs. Double Busbars:** It has been suggested that current interpretation of the NETS SQSS mandates the use of a double busbar (or equivalent) arrangement for the first onshore substation for offshore transmission system connections. However, a Cost Benefit Analysis (CBA) performed by DONG Energy aims to demonstrate that this requirement is not the most economic and efficient solution for all offshore wind-farm connections. It has therefore been proposed that this interpretation within the NETS SQSS for the need to have double busbar substation arrangements is addressed and subject to NETS SQSS Review Panel assessment, this deterministic requirement be removed if no net benefit can be demonstrated for this configuration of switchgear when considering the specific characteristics of offshore generation connections. It has been proposed that a workshop to further discuss this shall be arranged for late May 2014.

## **STC**

### **CM055 Consequential changes following implementation of the Third Package and other miscellaneous changes**

CM055 is the like for like STC Modification for CMP225 and P298 which was raised in January 2014. The STC Panel have agreed for the Final Modification Report to be sent to the Authority pending some minor changes to the legal text.

## **Operational Forum**

The latest Operational Forum was held on 26 Feb 2014. The areas covered were:

- EMR contingency products
- Operational and System Operator Cost update and BSUoS forecasting.
- BSUoS Charging changes
- Business Outlook 2014-15
- Tender Procurement update
- BSIS update
- EMR update
- FFR Service Review

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