

# National Electricity Transmission System Security and Quality of Supply Standards (NETS SQSS)

## Headline Report – February 2016

### 1 Introduction

Welcome to the NETS SQSS Review Panel Headline Report. This is produced after every NETS SQSS Review Panel and aims to provide an overview of the key issues considered.

### 2 Discussion Items

**GSR022: Modelling of Security and Economy Planned Transfer Conditions:** The assumptions used to set power system transfer conditions for the design of the Main Interconnected Transmission System (MITS) will be reviewed. These are described in Chapter 4 of the NETS SQSS and are referred to as the Security and Economy Planned Transfer Conditions.

For the 2015 Future Energy Scenarios (FES), lower levels of thermal generation capacity in later years cause the Security Condition to break down. Additionally, the scaling of different types of generation and external system connections in the application of the Economy Condition should be periodically reviewed. Reviewing the conditions will ensure that their use continues to identify accurately the future need for transmission infrastructure reinforcement.

Transmission Owner (TO) representatives are further scoping out this work and the interactions with other Workgroups. Proposed Terms of Reference will be brought to the April 2016 NETS SQSS Review Panel before a wider Workgroup is established.

### 3 Key On-Going Modifications

- a) **GSR018: Treatment of Sub-Synchronous Oscillations (SSO) in the NETS SQSS:** This was brought to the NETS SQSS Review Panel because SSO risks need to be managed in the deployment of series compensation and HVDC technology. The Workgroup Report has been approved by the NETS SQSS Review Panel and the Grid Code Review Panel. This shall now be released for a joint NETS SQSS and Grid Code industry consultation.
- b) **GSR021: Introduction of 220kV Transmission Assets to the Onshore NETS:** A Modification Report was submitted to the Authority on 23 December 2015. It was agreed that there are no immediate issues in respect of 220kV given that there are no customer connections as yet at this voltage.

### 4 Any Other Business

In accordance with the NETS SQSS Governance Framework, the Offshore Transmission Owner (OFTO) Membership of the NETS SQSS Review Panel is being reviewed. The existing OFTOs will look to agree two Panel Members and two Alternates for the two year period from April 2016. If agreement is not reached, a formal election procedure will need to be initiated.

Further to the December 2015 update, Ian Pashley who was to become NETS SQSS Chair has taken up a new role. John West will therefore continue as Chair for an interim period.

### 5 Further Information

The next NETS SQSS Review Panel is scheduled for 06 April 2016 from 10:00 – 14:00 at National Grid House, Warwick. This will be a face-to-face meeting.



#### Any Questions?

Contact:

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