



STC Panel

Wednesday 24 April 2024

Online Meeting via Teams

WELCOME



Approval of Panel Minutes

Approval of Panel Minutes from the Meeting held

27 March 2024



Action Log



Authority Decisions and Update



Decisions Pending

Modification	Final Modification Report Received	Expected Decision Date
CM079 - Consideration of STC/STCP changes in relation to CMP330/374	11 December 2023	08 May 2024
CM085 - To clarify OFTO reactive power requirements at low windfarm outputs	11 March 2024	07 June 2024
CM086 - Introducing competitively Appointed Transmission Owners & Transmission Service Providers	11 March 2024	30 September 2024
CM087 - Introducing Connections Process to facilitate Competitively Appointed Transmission Owners	11 March 2024	30 September 2024

The Authority's publication on decisions can be found on their website below:

<https://www.ofgem.gov.uk/publications/code-modificationmodification-proposals-ofgem-decision-expected-publication-dates-timetable>

Updates on other industry codes

21 March 2024 Grid Code Review Panel [Panel Papers and Headline Report](#)

22 March 2024 CUSC Panel [Panel Papers and Headline Report](#)

09 April 2024 SQSS Special Panel [Panel Papers and Headline Report](#)



Any Other Business



EMT Model Requirements for Transmission Owners – A Heads Up ahead of proposing an STC Modification

Brief Context and Proposed Solution

As Great Britain's (GB) power system moves towards a net zero carbon operation; the number of Inverter-Based Resources (IBR) is expected to increase, with the amount of synchronous generation in the grid to decline which will significantly change the characteristics of the GB network. These changes give rise to the potential control interactions between the devices across the network leading to risks of oscillations and inverter stability.

The ESO requires Root Mean Square (RMS) and Electromagnetic Transient (EMT) models from relevant Transmission Owners (TOs) so that it can analyse and understand how these interactions affect the network under different system conditions.

There is currently no requirements in the System Owner Transmission Owner Code (STC) for TOs to submit them, as well as enabling the ESO to share both EMT and RMS models to Users. This restricts the ability for the ESO to perform system studies, modelling and post fault analysis

The proposed solution is to mandate the collection of the EMT and RMS models from TOs and provide for a possibility to share these models with Users, to relevant enable studies. These models will feed into a wider GB Model enabling investigations, post fault studies and planning studies. This will help to enable safe and reliable operation of the system and enhance the security of GB electricity supply

A modification to the STC will be proposed at the next available opportunity to provide the ESO with the ability to request these models

Ad hoc discussions have been held with TO representatives to provide their input towards refining the defect and to propose solutions ahead of proposing a modification.

Activities ahead of the next Panel Meeting

Grid Code Development Forum	09 May 2024
Modification Proposal Deadline for May Panel	14 May 2024
Papers Day	21 May 2024
Panel Meeting	29 May 2024 Microsoft Teams

Close



Deborah Spencer
Chair STC Panel