



# **STC Panel**

Wednesday 25 January 2023

Online Meeting via Teams

# WELCOME



# Minutes

## Approval of Panel Minutes from the Meeting held

14 December 2022



# Review of Actions within Action Log



# Authority Decisions and Update



## Decisions Received since last Panel meeting

- ☐ None

## Decisions Pending

- ☐ **CM078 - *Connections Triggering Distribution Impact Assessment*** - Expected decision date of this and related CUSC Modification (CMP328) is 31 January 2023
- ☐ **CM080 – *Transmission Impact Assessment process*** - Expected decision date of this and related CUSC Modification (CMP298) is 31 January 2023
- ☐ **CM084 - *Clarify STCP modification approach for cross-code changes*** - Expected decision date TBC
- ☐ **CM085 - *To clarify OFTO reactive power requirements at <20% output*** - Expected decision date TBC



# **New STC/STCP Modifications**

## **CM088: Fault Ride Through Definition**

David Halford – National Grid ESO

# Critical Friend Feedback – CM088

Code Administrator comments	Amendments made by the Proposer
Minor formatting and readability suggestions  Added timeline	Proposer accepted all amendments made by the Code Administrator

# Overview of GC0141 Modification

The GC0141 modification was raised by the ESO in March 2020 to address the concerns raised in Action 3 of the Ofgem report and action 2 of the BEIS report in the 9 August 2019 Power Disruption which intends to improve modelling, clarify Fault Ride Through (FRT) compliance requirements and improve the compliance process for complex connections.

The Modification was approved by the Authority on the 12 December 2022 with the following proposed topics and approved decision on

Topics	Approved Decision
<i>Independent Engineer</i>	Not required
<i>Compliance Repeat Plan</i>	A user to submit a mandatory compliance statement and self-certification of compliance, confirming Grid Code compliance in full every 5 Years.
<i>RMS &amp; EMT Models</i>	ESO amending the Grid Code Planning Code to specify the type of modelling required (Root Mean Square (RMS) or Electromagnetic Transient (EMT))
<i>Sharing for SSTI/SSCI</i>	ESO to allow it to share relevant modelling information submitted by a User to another User, and that the User receiving the information can only use it to complete the analysis required by ECC.6.3.17.1 and EEC.6.3.17.2 (SSTI and SSCI studies)
<i>Torsional Data</i>	Generating Units with a Completion Date before 1 April 2015, are required to provide the data in accordance with good industry practice and without undue delay when requested by the ESO. Generating Units with a Completion Date after 1 <sup>st</sup> April 2015 is a mediator requirement.
<i>FRT Definitions &amp; Retrospective Requirements</i>	Amend the definition so that Users are required to remain connected and stable for up to 30 minutes following an applicable fault or disturbance
<i>Enhanced FRT Studies</i>	Power Park Modules (PPMs) and HVDC systems must repeat the required simulation studies for foreseeable running arrangements (to be agreed between the ESO and the User)

STC Modification  
Required



# STC Proposal

- As a follow-on to the Grid Code Modification, it has been identified that a change will be required to Section K of the STC in order to harmonise the definition of Fault Ride Through (FRT) with the Grid Code.
- The change is to ensure consistency between the Grid Code and STC when the Offshore Transmission System is originally bound by the Grid Code as an OTSUA, but then migrates to an OFTO where STC Section K (Annex 1) documents the requirements for Fault Ride Through Capability for post EU Generators **Note, for EU Generators, Section K (Annex 2) applies, which references the amended GC0141 Grid Code European Connection Conditions in relation to Fault Ride Through Capability.**
- The proposed legal text was shared with the OFTO Panel Representatives on the 1 December 2022 for review/comment.
- The recommendation is that modification proceeds directly to Code Administrator Consultation as the change is required to ensure consistency between the STC and Grid Code.
- **Please note, STCP changes will also be required as a consequence of the GC0141 Modification and the current view is that these changes will be presented at the February STC Panel.**

**Timeline for CM088 – Proposed Timeline – Code Administrator Consultation**

Milestone	Date
Modification presented to Panel	25 January 2023
Code Administrator Consultation (15 working days)	01 February 2023 to 22 February 2023
Draft Final Modification Report (DFMR) issued to Panel (5 working days)	21 March 2023
Panel undertake DFMR recommendation vote	29 March 2023
Final Modification Report issued to Panel to check votes recorded correctly	31 March 2023
Final Modification Report issued to Ofgem	12 April 2023
Ofgem decision	TBC
Implementation Date	10 working days after Ofgem decision

# CM088 – the asks of Panel

- **AGREE** that this Modification should follow Standard Governance (Ofgem decision) rather than the Self-Governance Criteria (Panel decision)
- **AGREE** that this Modification should proceed to Code Administrator Consultation
- **NOTE** the proposed timeline



# **Draft STC/STCP Modifications**

**None**



# **In flight Modification Updates / Potential New Modifications**

**Paul Mullen**



## Workgroup Reports

None



## **Draft Final Modification Reports (DFMR)**

**None**



**Code Administrator Update**  
**None**





**Any Other Business**

**None**

# Next Panel Meeting

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**10am on 22 February 2023**

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**Papers Day – 14 February 2023**

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**Modification Proposals to be submitted  
by – 7 February 2023**

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# Close



**Paul Mullen**  
STC Panel Chair