



STC Panel

Wednesday 25 September 2024

Online Meeting via Teams

WELCOME



Approval of Panel Minutes

Approval of Panel Minutes from the Meeting held

12 July Special Panel & 31 July 2024



Action Log



Authority Decisions and Updates as at 25 September 2024



Decisions Pending

Modification	Final Modification Report Received	Expected Decision Date
CM085 - To clarify OFTO reactive power requirements at low windfarm outputs	11 March 2024	03 October 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>

New modifications submitted

STCPs

PM0141 - incorporating a revised,
outage change code list in STCP11-2
Appendix 5



STCP Governance

If a change is developed which has the potential to materially amend an existing STCP the proposer is obligated to seek Panel's views on materiality before proceeding.

When considering the proposed changes to the STCPs, the 1st ask on voting members is whether you agree that the change is material.

- If not, then approved/rejected as has been done in the past;
- If material, then the proposer of the change would need to seek Ofgem's written approval to proceed, and to clarify who should approve the change.

Ofgem can then decide either:

- It is acceptable for the Panel to approve/reject the STCP changes (as has been done in the past; or
- They will make the decision themselves.

PM0141 – the asks of Panel

- **AGREE** that the materiality of the STCP change
- **AGREE** the implementation next steps
- **NOTE** that Implementation Date is TBC if Panel agree to implement this change and Panel identify no material impacts



Inflight Modification Updates

**CM095 - Implementing Connections
Reform & CM096 – Application of Gate
2 Criteria to existing contract**

CM095/CM096 Consequential STCP Modifications

- STC Code Modifications (CM095 & CM096) have been through Workgroup Consultation.
- Discussions in Workgroup and separate ESO/TO sessions have identified potential sections of the STC and STCPs that will require amendments.
- Future Workgroups will cover the legal text drafting.
- It is envisaged that two complementary STCP modifications will be raised at the November Panel meeting aligning with the in-flight STC modifications:
 - PM01XX Implementing Connections Reform
 - PM01XX Application of Gate 2 Criteria to existing contracted background

STCPs and Materiality

- Guidance has been sought from The Authority to understand their expectations regarding approval of STCP changes aligned to the STC modifications.
- The Authority has confirmed their expectation is that they will review and approve the proposed STCP changes as part of the wider package of changes.

STCPs Identified for Possible Changes

STCPs	Proposed Changes
STCP 16-1 Investment Planning	Extension of current bay reservation powers to cover more general connection/interface point and capacity.
STCP 18-1 Connection and Modification Application	
STCP 18-2 Use of System Application	Amendments to process and timescales where necessary to align with proposed reformed connections process.
STCP 18-3 TEC Changes	
STCP 18-4 Request for a Statement of Works	
STCP 18-6 Variation to Agreements	
STCP 18-X Possible New STCP	One-off activities to handle transition to new process.

Draft Final Modification Report

CM0100: Consequential modification following the approval and implementation of CUSC modification – CMP428 User Commitment liabilities for Onshore Transmission (reinforcement) in the Holistic Network Design

Presenter: Elana Byrne

Solution(s)

Solution/summary of solutions:

The Proposer seeks to update the “Attributable Works” definition and add in the new definition of “Excepted Works” within Section J (Interpretations and Definitions) of the STC.

This will align changes made to definitions within the CUSC as a result of the approval and implementation of CUSC modification, CMP428 (User Commitment liabilities for Onshore Transmission (reinforcement) in the Holistic Network Design), to ensure consistency between the codes.

Code Administrator Consultation Responses

Summary of Code Administrator Consultation Responses :

- Code Administrator Consultation was run from 05/08/2024 to 03/09/2024 and received 3 non-confidential responses. Key points were:
 - All respondents believed the proposed solution better facilitated objective (e)
 - No legal text issues identified.
 - One respondent believes that the proposed solution will ensure consistency between the CUSC and STC and remove any ambiguity for impacted parties.

CM0100 - the asks of Panel

- **VOTE** whether or not to recommend implementation
- **NOTE** Timeline

CM0100 – Next Steps

Milestone	Date
Draft Self Governance Modification Report presented to Panel	25 September 2024
Final Self Governance Modification Report issued to Panel to check votes recorded correctly (5 business days)	26 September 2024 to 02 October 2024
Appeals Window (15 business days)	04 – 24 October at 5pm 2024
Implementation Date (5 business days after closure of Appeals Window)	31 October 2024



Any Other Business

**Power Flow Metering Polarity - Proposed
Solution and Benefits**

Power Flow Metering Polarity

Issues and proposed solution

STC Panel

Power Flow Metering Polarity – Issue

- **Issue**

- “Incorrect/inconsistent” polarity for power flow metering data fed into the ESO SCADA system, for example negative instead of positive flow

- **Impact for ESO**

- Deteriorating accuracy in ESO management system
- Reduced State Estimation reliability impacting situational awareness
- Reduced system security and potential SQSS breach due to less effective contingency analysis
- Additional balancing cost incurred by less efficient output from downstream ESO balancing and forecast system

- **Impact for other stakeholders**

- Delay in setting up metering for new connections
- Increased workload due to updating and correcting metering polarity
- Delay in ESO’s decision making for outages and commissioning
- Potential billing errors for settlements between ESO and energy providers

Power Flow Metering Polarity – Current Status and Effort

- **Current Status**

- No clear and unified power flow polarity standard in STC for power flow data sent to ESO,
- No clauses in STC or licence obligation requesting parties to follow a power flow polarity standard and current STCP 04-6 specifies “The sign convention of such measurements shall be agreed with The Company.”
- No clauses in STC requesting parties sending power flow metering with “incorrect” polarity to fix the issue

- **Current Effort**

- ESO regularly audits, investigates and fix meters with incorrect polarity internally, but workaround fix is temporary and not sustainable
- ESO tries to establish communication channel with relevant parties to investigate and resolve the issues
- ESO has set up a working group aiming to seek solutions in terms of code, standard, policy and process

Power Flow Metering Polarity - Proposed Solution and Benefits

- **Proposed Solution**

- To develop a unified power flow polarity standard in the form of a diagram
- To publish the diagram as an Appendix in Grid Code (with the STC referencing this in the Grid Code)
- To improve/modify processes between ESO and other parties so that the standard will be followed and referenced when setting up new metering connections to ESO SCADA
- To ensure the polarity standard is followed during the repair of existing metering connections

- **Benefits**

- Improved situational awareness, system security, better forecast and reduced balancing cost
- Reduce and/or mitigate iterations and delay for setting up new connections and approval for outage and commissioning
- Improved coordination, efficiency and transparency between ESO and other parties following unified polarity standard and standardised process

Close



Elana Byrne
Chair, STC Panel



Updates on other industry codes

23 August 2024 CUSC [Panel Papers and Headline Report](#)

22 August 2024 Grid Code Review [Panel Papers and Headline Report](#)

01 August 2024 SQSS Panel [Papers and Headline Report](#)

31 July 2024 STC Panel [Papers and Headline Report](#)

Activities ahead of the next Panel Meeting

Grid Code Development Forum	02 October 2024
Modification Proposal Deadline for October Panel	15 October 2024
Papers Day	22 October 2024
Panel Meeting	30 October 2024 Teams