

Public

STC Panel

Wednesday 29 April 2026

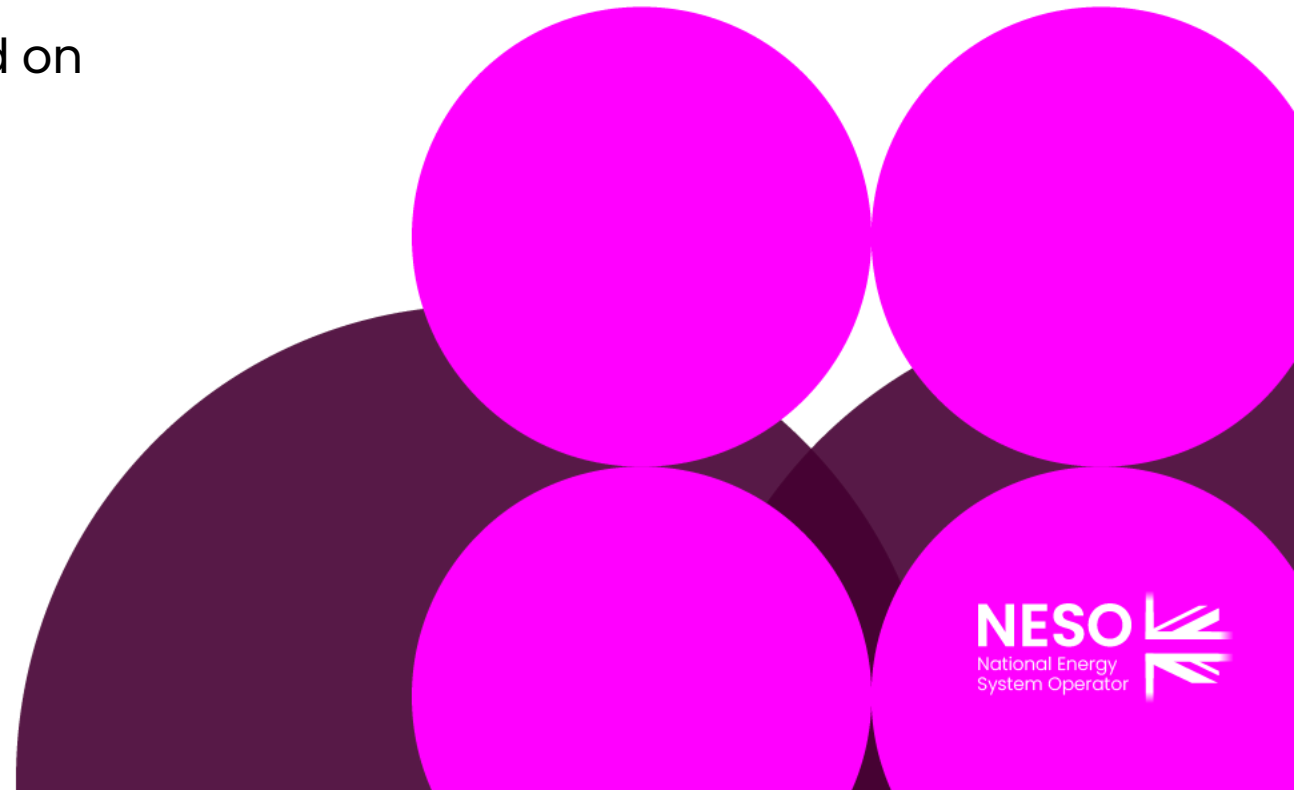
Online Meeting via Teams

Public

WELCOME

Approval of Panel Minutes

Approval of Panel Minutes from the meeting held on 25 March 2026.



Actions Log

- Actions to review

Actions

Panel raised	Action	Owner	Comments	Due by	Status
Feb 2026	<p>Revise Legal Text for the Winter ERTS / outage modification (PM0153 / STCP-related)</p> <p>Work with Lewis (and relevant TO colleagues) to review the current legal text. Specifically:</p> <p>Reconsider whether detailed bullet-point requirements should sit in the STCP or be referenced via an external process / framework document.</p> <p>Clarify roles, responsibilities, and avoid overly prescriptive wording where a principles-based approach is intended.</p> <p>Circulate revised wording to panel members offline (ahead of the next panel) for visibility and comfort.</p>	Maria Lopez	Ongoing	March 2026	Open

Chair's Update

- Horizon Scan

STC Panel Horizon Scanning

Expected Panel	Mod reference	Title	Proposer	Company	Type	Governance Route	Associated Mods	Description
Apr-26	PM0153 & PM0154	System Access Reform	Dozie Nnabuife	NESO	Not yet known	TBC	GSR035, GSR036 (SQSS)	PM0153 Legal Text review required and back in Panel in April. PM0154 approved for implementation.
Apr-26	PM0133	Pathfinder feasibility studies	Graham Lear	NESO	STCP	TBC	None	Presented to the Panel in October 2025 and was rejected, pending further engagement TOs. To go to April Panel.
Apr-26	PM0147	STCP 12-2 Issue 001 RMS and EMT Model Sharing Process	Frank Kasebante	NESO	STCP	NA	CM097	On hold in line with modifications GC0168 and CM097. Claire Chairing. Waiting for alternative request. Need to align timelines. Update in March Panel. To go to April Panel.
Apr-26	PM0157	Meter Polarity	Tom Goss	Neso	STCP	STCP		Mod to be raised following withdrawal of STC mod in March Panel (agreed that no STC change, only STCP). To go to April Panel.
Apr-26	PM0156	Consequential changes to STCP13-2 arising from CM093	Steve Baker	Neso	STCP	STCP	CM093	To go to April Panel.
Apr-26	CM0107	Centralised Strategic Net work Plan (CSNP)/Update Planning References in published Electricity Transmission codes	Tomas Goss	NESO	Not yet known	STC	TBC	Presented in AOB at the February 2026 Panel. Will come back to Panel with modification in the coming months (maybe April).

STC Panel Horizon Scanning

Expected Panel	Mod reference	Title	Proposer	Company	Type	Governance Route	Associated Mods	Description
May-26	TBC	TNoUS Processes	Amanda Rooney	NESO	STC	TBC	N/A	May be coming to May Panel.
May-26	TBC	Dynamic Line Rating	Stuart McLarnon	NESO	STCP	STCP	None	STCP 4-4 will be looked at to make sure that upcoming Dynamic Line Rating changes are compatible with STCP.
TBC	PM0155	GC0139 related modifications	Stuart McLarnon	NESO	Not yet known	TBC	GC0139 related	STCP relating to CM0106 (raised in March) to come to future Panel.
TBC	TBC	Final sums	Olivia Tomlinson	NESO	STCP	STCP	Connections reform mods	STCPI8-8 modification, to account for delays to TO invoicing. Ongoing.
TBC	TBC	Further connections reform mods	Not yet known	NESO	Not yet known	TBC	Not yet known	We are confirming the forward programme of work and will keep STC Panel updated on future mods.
TBC	TBC	ESRS	Tony Johnson	NESO	STC	TBC	GC0156	Consequential STC Mod to GC0156, raised in Feb 26. Discussed in March Panel.

Authority Decisions

- Authority Decisions
- Updates

Authority Decisions and Updates as of 21 April 2026

Authority Decisions:

There have been no Authority decisions since the March 2026 STC Panel.

Updates:

There are have been no Authority updates since the March 2026 STC Panel.

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

[Energy codes | Ofgem](#)

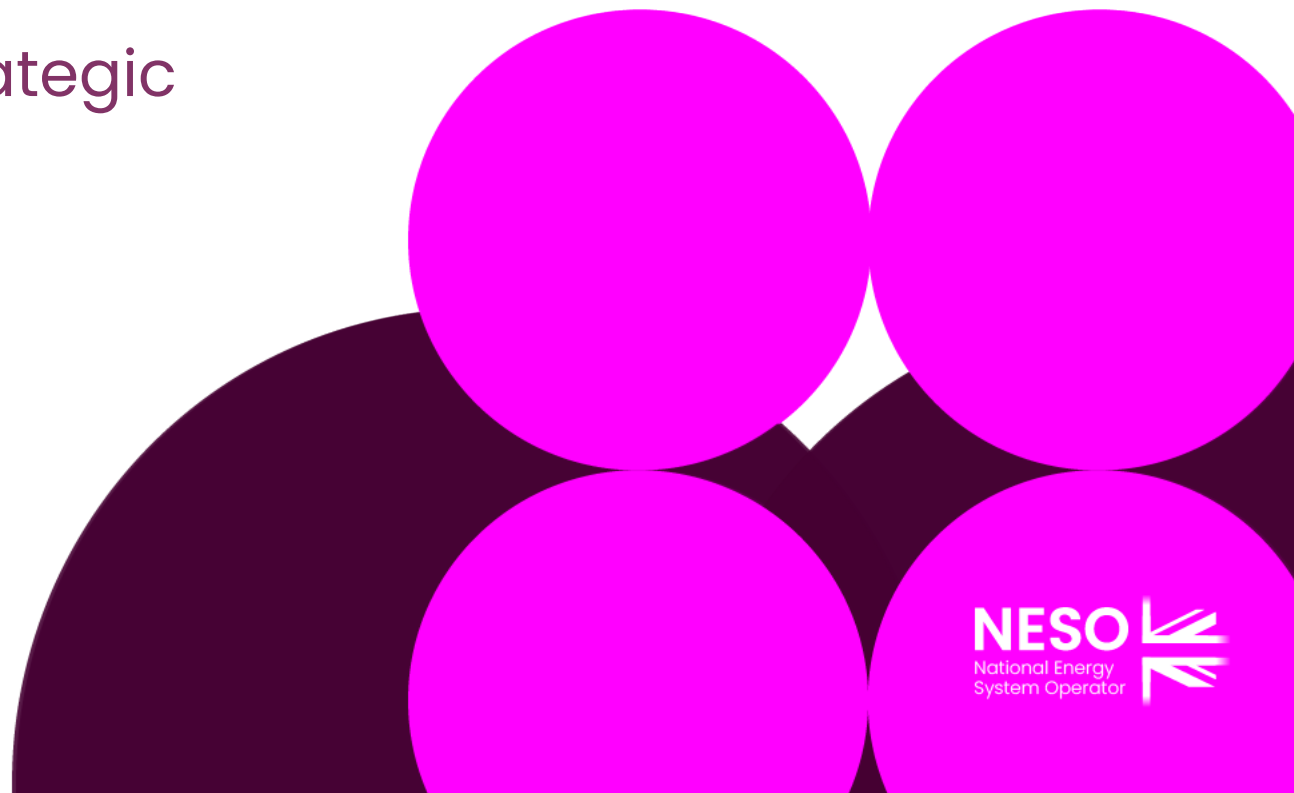
New Modifications

- **CM0107:** Update for Centralised Strategic Network Plan
- **PM0157:** Standardisation of Power Flow Metering Polarity
- **PM0133:** Pathfinder feasibility studies
- **PM0147:** STCP 12-2 Issue 001 RMS and EMT Model Sharing Process
- **PM0153:** System Access Reform. Emergency Return to Service (ERTS): Profiling Review
- **PM0156:** Consequential changes to STCP13-2 arising from CM093

New Modification

CM0107: Update for Centralised Strategic Network Plan

Thomas Goss, NESO



CM0107 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
<ul style="list-style-type: none">• Expand abbreviations when mentioned in the first instance and add to the acronym table.• Inconsistent format throughout the document.• Specify the affected codes in the what is the impact of this change section.• Remove yellow highlights from proposed Legal Text.	<ul style="list-style-type: none">• Proposer accepted all amendments made by the Code Administrator.

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Update for Centralised Strategic Network Plan

Proposal for removing
redundant references from the
STC and Grid Code

Situation:

Ofgem have confirmed the introduction of a new long-term planning framework, the Centralised Strategic Network Plan (CSNP). This will be covering the information currently given in the Electricity Ten Year Statement. (ETYS).

Therefore, we will need to remove references to ETYS and older statements, such as Seven Year Statement (SYS), Network Options Assessment (NOA) and the Offshore Development Information Statement (ODIS) and replace with CSNP, wherever adequate.



What will we need to do?

- The ETYS is being phased out after 2026, and the data which is input, reports produced and other functions will be taken over by the new and broader CSNP.
- Therefore, we need to ensure that the Grid Code, STC/P and others are amended in line with the new situation and do not have references to redundant processes which would cause confusion and uncertainty among stakeholders.
- The SYS, NOA and ODIS are already redundant at the time of writing so references to these also need to be removed from the Codes.
- Where the function of the ETYS is being taken over by the CSNP this will need to be confirmed into the STC-P. A list of Grid Code references to ETYS, NOA, ODIS and SYS has been compiled along with proposed changes to the legal text.

Impact of the Mod - Stakeholders

This Mod will impact any current STC parties using ETYS. The next iteration of the report (Summer 2026) will be the final one, and the license has already been updated regarding the requirements for CSNP.

The direct impact to STC Parties will be on the name of, and location of the data they are submitting.



The data which stakeholders currently submit to NESO will continue through to CSNP.

There will be some changes to the data submission process for STC Parties for example the timing of some of the data, but these differences will be minor.

Impact of the Mod – NESO

The CSNP will serve as a network blueprint for the country, mapping demand and optimal locations for onshore and offshore transmission infrastructure to support a decarbonised energy grid.



CSNP is not a replacement for ETYS but rather a new whole-system plan with a much broader view than any singular report. Some of the data currently presented in ETYS will carry on through CSNP.

NESO will still be publishing most of the same data via CSNP. By ensuring that the references in the STC/STCP as well as CUSC and Grid Code are up to date and redundancy is removed, we are ensuring continuity and facilitating more effective future planning operations.

Process

- The Legal Texts have been reviewed and approved by the Legal Team. There will be no impact on anyone's charges, or connection date/process, as a result of this change proposal.
- Having considered the required changes to the Legal Text in the STC, most of which are a straightforward change from ETYS to CSNP, we do not consider there to be a need for discussion prior to the Consultation, therefore suggest that we approve a process whereby the modification goes to code administrator consultation (CAC). The suggested implementation date will be 31st August 2026.
- We have assessed the materiality of the proposed change; it is unlikely to have a material impact on the Users, as the results of the proposed change will be updating the references relevant to changing from the ETYS process to CSNP.
- The information currently being submitted by Users will not be changing. For that reason, the Proposer believes that this should be treated as a Self-Governance Modification to proceed to Code Administrator Consultation.
- Our communications with stakeholders during the CSNP proposal phase, and also feedback regarding the required changes as a result of the implementation, indicate that the overall premise and goals of the modification are understood and accepted.

Planning References Update – Criticality of Issue

Impact of leaving the STC un-altered: if the Planning References in the Electricity Transmission Codes such as the STC/P are not updated to meet the new situation:

- **Ambiguity over License obligations for Users:**

Assuming that the changes are not made before the implementation of CSNP, there will be ambiguity within the Codes concerning what information Users are required to submit. Whilst some new sections regarding the CSNP will be implemented there will be many references which are relevant to CSNP but mention ETYS or one of the other outdated programs.

- **Impediments to CSNP Implementation:**

The proposed changes are needed to be put into place to establish the process for CSNP and permit the necessary data exchanges. Failure to make the necessary changes to STC and the STCPs could block the production of CSNP, impede the funding of critical network infrastructure, and stop the parties satisfying their license obligations.

- **Code untidiness**

NESO has sometimes been criticised for failing to adequately promote CSNP whilst maintaining irrelevant references and sections in the Codes. Given that the changes requested in the Mod are directly relevant to a change we have a chance to ensure that the STC is correctly guiding users in accordance with current methodology rather than retaining links and references to old systems and programs.

Likely Changes of ETYS References:

1. References to ETYS/SYS where the function as described in the Code section is being taken over in its entirety by the CSNP, and the reference can therefore simply be replaced by reference either to CSNP, or where appropriate a more generic reference to NESO published planning data (may aid in future-proofing). We anticipate that the majority of cases will fit into this category.
2. References to ETYS/SYS where part of the function as described in the Code section is being taken over by the CSNP but not all. The Code section will need to be amended to ensure that the new reference to CSNP is correctly describing the functions it will fulfil, and any others are either removed or also amended so that the function and how they are being fulfilled.
3. References to ETYS/SYS where the function is either completely redundant or is only a description or confirmation of the ETYS/SYS. For example, this would include mentions in a definitions section, or a passage which is being removed from the Licence, and can safely be taken out of the Code without needing further modifications

Affected STC/P Sections:

- STCP 20-1 Issue 007 Electricity Ten Year Statement: (Entire document),
- Section D Planning Co-ordination, Part 1 Introduction 1.1.3,
- Section D Planning Co-ordination, Part 1 , 4 Electricity Ten Year Statement: Entire section,
- Section H – Disputes: Section 4.3.12,
- Schedule 2 List of Procedures: 20_1 issue 4, 5 and 6, Schedule 8, To Construction offer 1.1.3.2 (c),
- Schedule 8 1.3.3, STCP 16-1 Appendix D 'Abbreviations and Definitions',
- Schedule 9 A: 2.62, B: 2.4, Contents Headings,
- Schedule 9 C: 1.1, 2.7.2, Appendix
- STCP 22-1 Issue 006 Production of Models for GB System Planning
- STCP 21-1 Issue 006 Network Options Assessment,
- STCP 18-1 Issue 016 Page 34, Stage 3,
- STCP 03-1 Issue 008 Post Event Analysis and Reporting

Other Considerations

Grid Code Mod:

There will also need to be a Grid Code Mod raised for the same issue.

Affected parts of the Grid Code:

- Planning Code (PC) 4.1,
- PC.4.3.1, PC.5.4 (a),
- PC.5.4 (f),
- PC.A.4.4,
- CC.6.2.1.2 [e],
- CC.6.2.1.2(f),
- ECC.6.3.15.8(v),
- DRC page 62

CUSC Mod:

A CUSC Mod is being raised by Paul Mott, with the proposed changes to the following sections:

- 11.3
- 13.3
- 14.15.6, 9, 10, 23, 61
- 14.19.2
- 14.29
- 15
- Schedule 2 Exhibits 3, 3A, 4, 9.2, 9.5

CM0107 Proposed Timeline

Milestone	Date
Modification presented to Panel	29 April 2026
Code Administrator Consultation	06 May 2026 to 27 May 2026
Draft Final Modification Report (DFMR) issued to Panel	16 June 2026
Panel undertake DFMR recommendation vote	24 June 2026
Final Modification Report issued to Panel to check votes recorded correctly issued within 2 Business Days of Panel's DFMR recommendation vote.	02 July 2026
Final Modification Report issued to Ofgem This is clear 5 Business Days after Final Modification Report is issued to Panel to check votes recorded correctly	13 July 2026
Ofgem decision	TBC
Implementation Date	10 Business Days after Ofgem decision

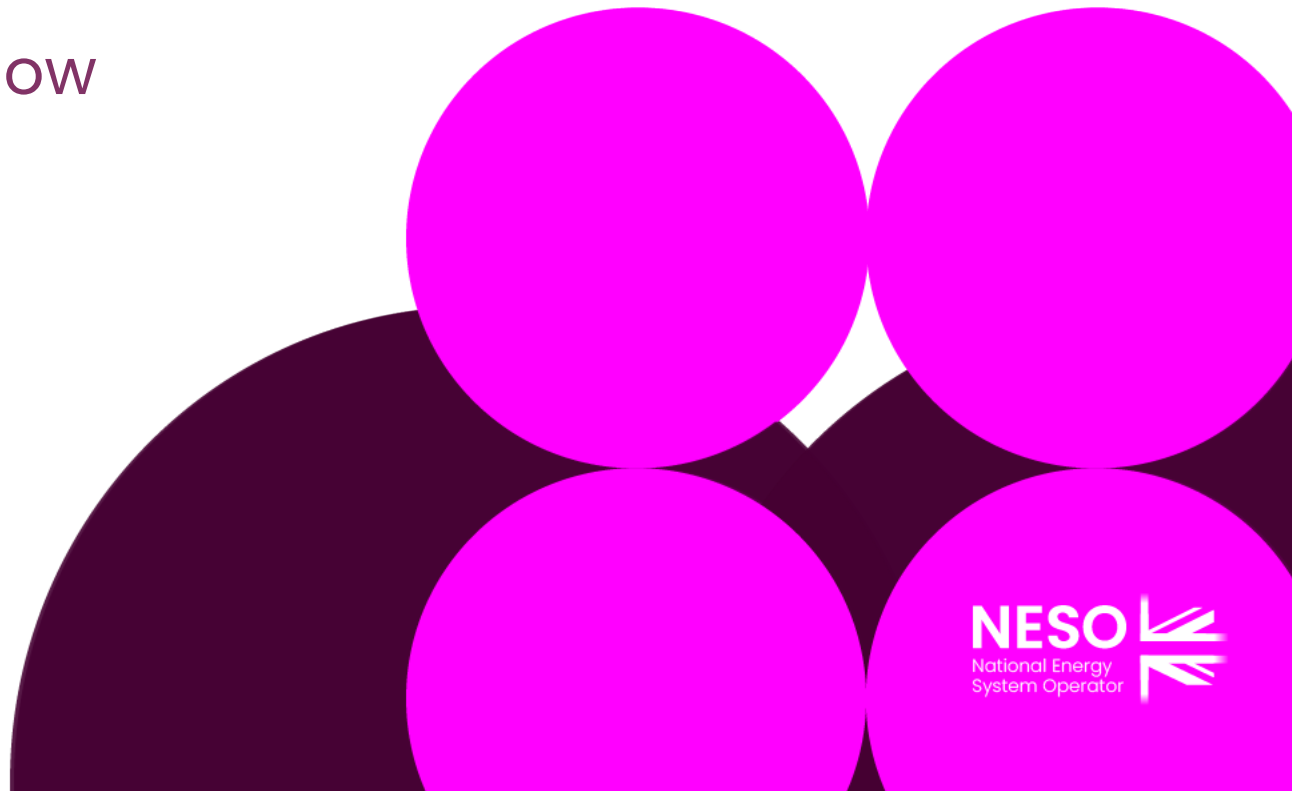
CM0107 Asks of Panel

- **AGREE** that this Modification has a clearly defined defect, scope and solution
- **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 is straight to Code Administrator Consultation

New STC Procedure

PM0157: Standardisation of Power Flow
Metering Polarity

Thomas Goss, NESO



PM0157 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
<ul style="list-style-type: none">• Confirm materiality.• Provide clarity on implementation date. Is this at implementation of GC0182, or applicable date - 540 days after?• Add Legal Text as Annex.	<ul style="list-style-type: none">• Proposer accepted all amendments made by the Code Administrator.

Power Flow Metering Polarity Issues and proposed solution – STC–P

STC Panel

Presenter: Thomas Goss – Technical Codes
April 2026

Power Flow Metering Polarity – Issue

- **Issue**

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

- **Impact for NESO**

- **Deteriorating accuracy** in NESO 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 NESO 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 NESO’s decision making** for outages and commissioning
- **Potential billing errors** for settlements between NESO and energy providers

Power Flow Metering Polarity – Current Status

No clear and unified power flow polarity standard in STC/STCP or Grid Code for power flow data sent to NESO

No clauses in STC/STCP, Grid Code, or licence obligation requesting parties to follow a power flow polarity standard and parties may choose their own convention which could be inconsistent with other parts of the network, or to fix the current polarity issue



Power Flow Metering Polarity – Current Effort

NESO regularly audits, investigates and fix meters with incorrect polarity internally, but workaround fix is temporary and not sustainable

NESO tries to establish communication channel with relevant parties to investigate and resolve the issues

NESO has set up an internal working group aiming to seek solutions in terms of code, standard, policy and process

A Grid Code Mod is already in progress: GC0182, recently agreed to advance to the Consultation stage, which is based on the information from the aforementioned NESO working group.



Public Power Flow Metering Polarity – Criticality of Issue

- **Currently 818 meters** have been identified as having incorrect polarity, this could increase if new connections do not follow the polarity standard.
 - OFTO – 416
 - TO/Generator – 402
- **Impact of incorrect polarity** could be incurred during NESO Operation
3 potential scenarios:
 - **Underestimate in requirement of system response and reserve level**
Insufficient level of response and reserve to deal with contingency for real-time operation -> system security issue and potential SQSS breach
 - **Overestimate in requirement of system response and reserve level:**
*Extra Cost = Price of MWh * Amount of Overestimate MW * duration*

e.g. Assume a total 10GW error causes NESO to believe additional response and reserve is required for approximately 200 hours across a year. With the average price for system response and reserve being £50/MWh, the repeating annual cost would be $£50 * 10,000 * 200 = \underline{\underline{£100m}}$

Publicly Available Power Flow Metering Polarity – Criticality of Issue

- **Impact of incorrect polarity** could be incurred during NESO Operation
3 potential scenarios (continued):
 - **Extra cost when managing a constraint:**
*Extra Cost = Price of MWh to increase Generation in Area A * Amount of Incorrect MW * duration - Price of MWh to reduce Generation in Area B * Amount of Incorrect MW * duration*

e.g. Assume a constraint is broken by 500MW for 4 hours so generation in Area A is reduced by 500MW, however, due to group demand error resulting from incorrect polarity this was an oversell of 200MW. Generation in Area B had to be increased by 200MW to cover this unnecessary sell. Average cost of the sell MW was £40/MWh whilst buy MW was £120/MWh, Extra Cost = £120 * 200 * 4 - £40 * 200 * 4 = **£64k**.

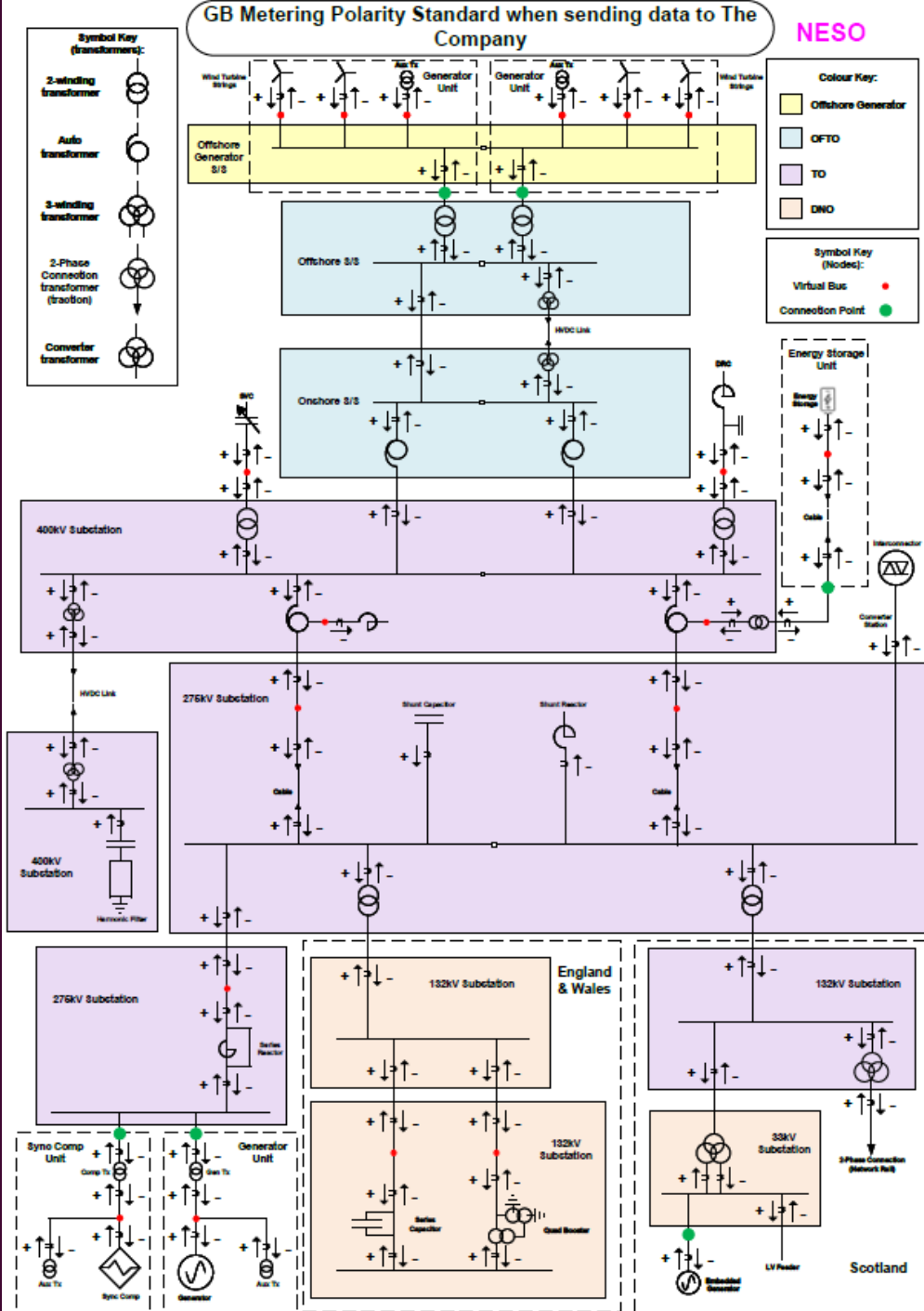
Publicly Available Power Flow Metering Polarity – Proposed Solution

- To develop a unified power flow polarity standard in the form of a diagram with explanatory description
- To publish the diagram and description which will be referred in the STCP 04-3 as well as the equivalent change in the Grid Code
- To improve/modify processes between NESO and other parties so that the standard will be followed and referenced when setting up metering connections to NESO SCADA
- To ensure the polarity standard is followed during ongoing operation
- To implement for new connections as well as new meters at existing sites at this stage, effective 18 months after Ofgem's decision to confirm the changes, to give new connections a chance to follow the new Meter Polarity instructions

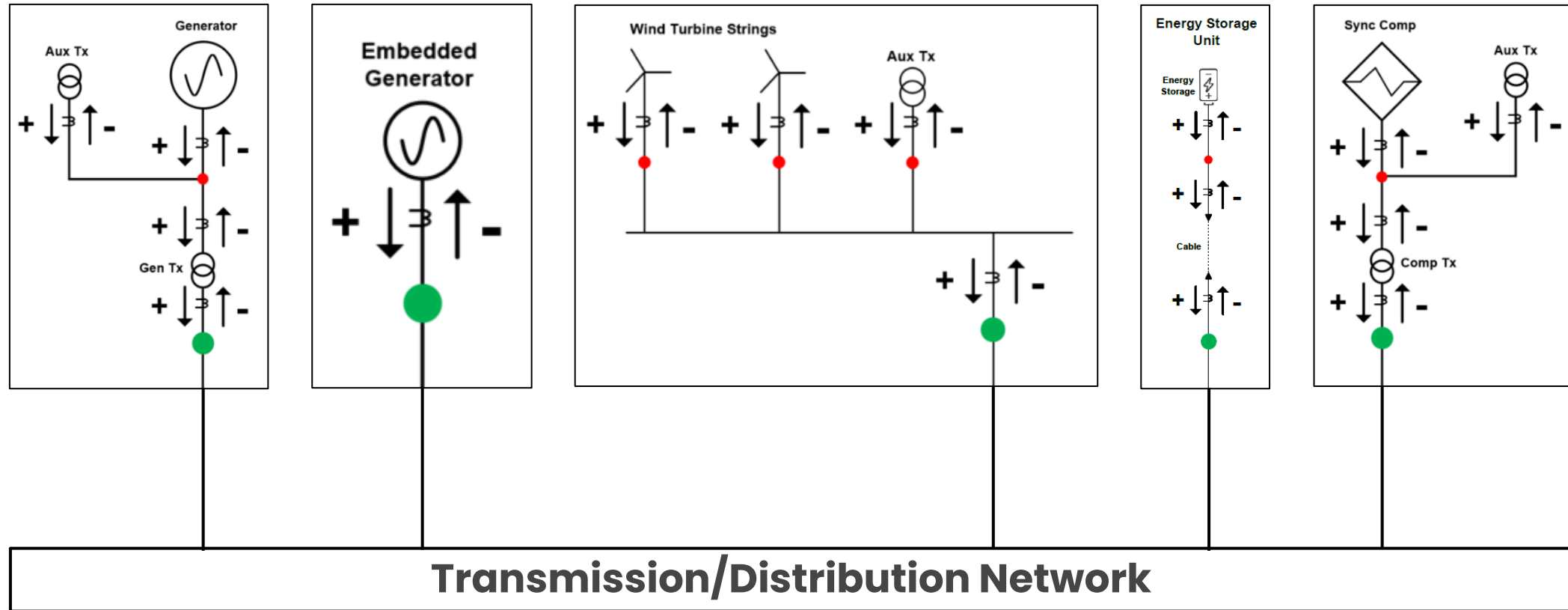


Metering Polarity Standard – Provisional Diagram

Metering Polarity Standard



Power Flow Metering Polarity – Key Principle

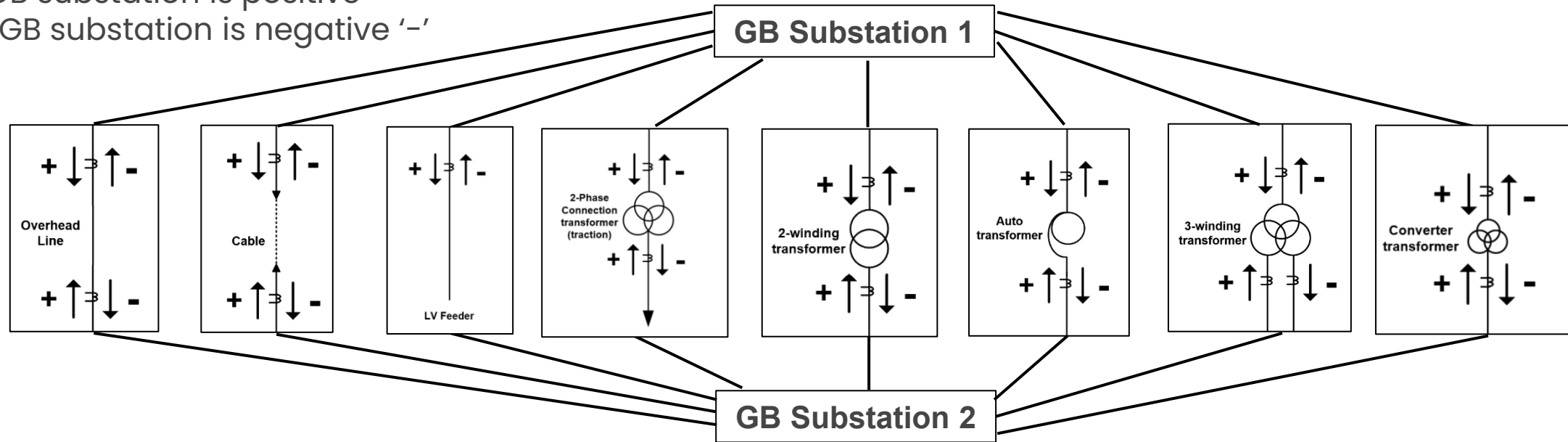


- **Generator Connections** include all assets from the Generator up to the connection point (shown by green circle).
 - All metering associated with Generator Connections is positive towards the Transmission/Distribution network and negative away from the Transmission/Distribution network.

Public Power Flow Metering Polarity – Key Principle

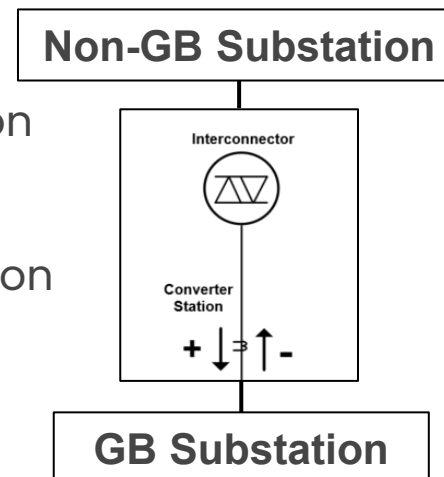
- **AC Connections between GB Substations: Overhead Line, Cable, LV feeder, Transformers**

- leaving GB substation is positive '+'
- Entering GB substation is negative '-'



- **International Interconnectors:**

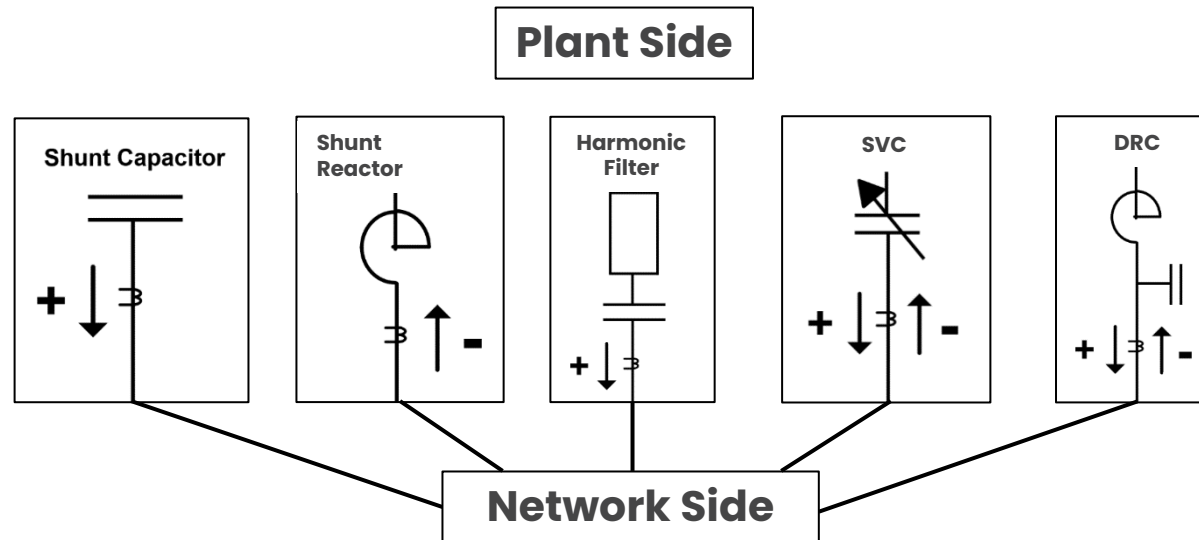
- Positive '+' at the converter station when power is being supplied into a GB substation
- Negative '-' at the converter station when power is being supplied from a GB substation
- treated like generators on the GB system



Power Flow Metering Polarity – Key Principle

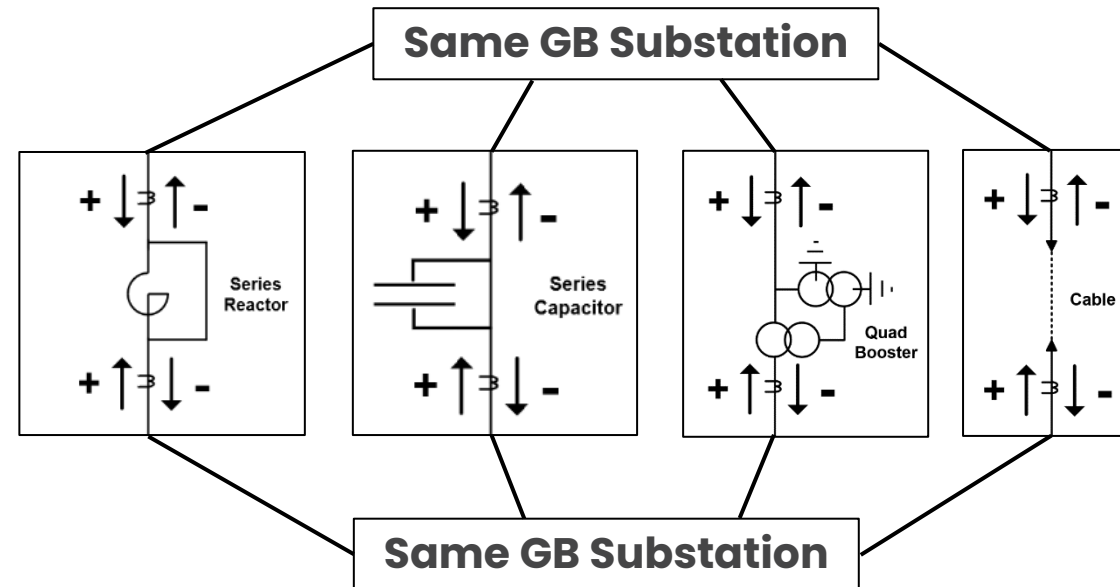
- **Shunt Connected Reactive Compensation:**

- leaving the plant is positive '+'
- entering the plant is negative '-'



Power Flow Metering Polarity – Key Principle

- **Series Connected Reactive Compensation and connections within a substation (e.g. a cable section):**
 - entering the device is positive '+'
 - leaving the device is negative '-'



Power Flow Metering Polarity – 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 NESO and
other parties following unified polarity
standard and standardised process



Public

Questions?

Public

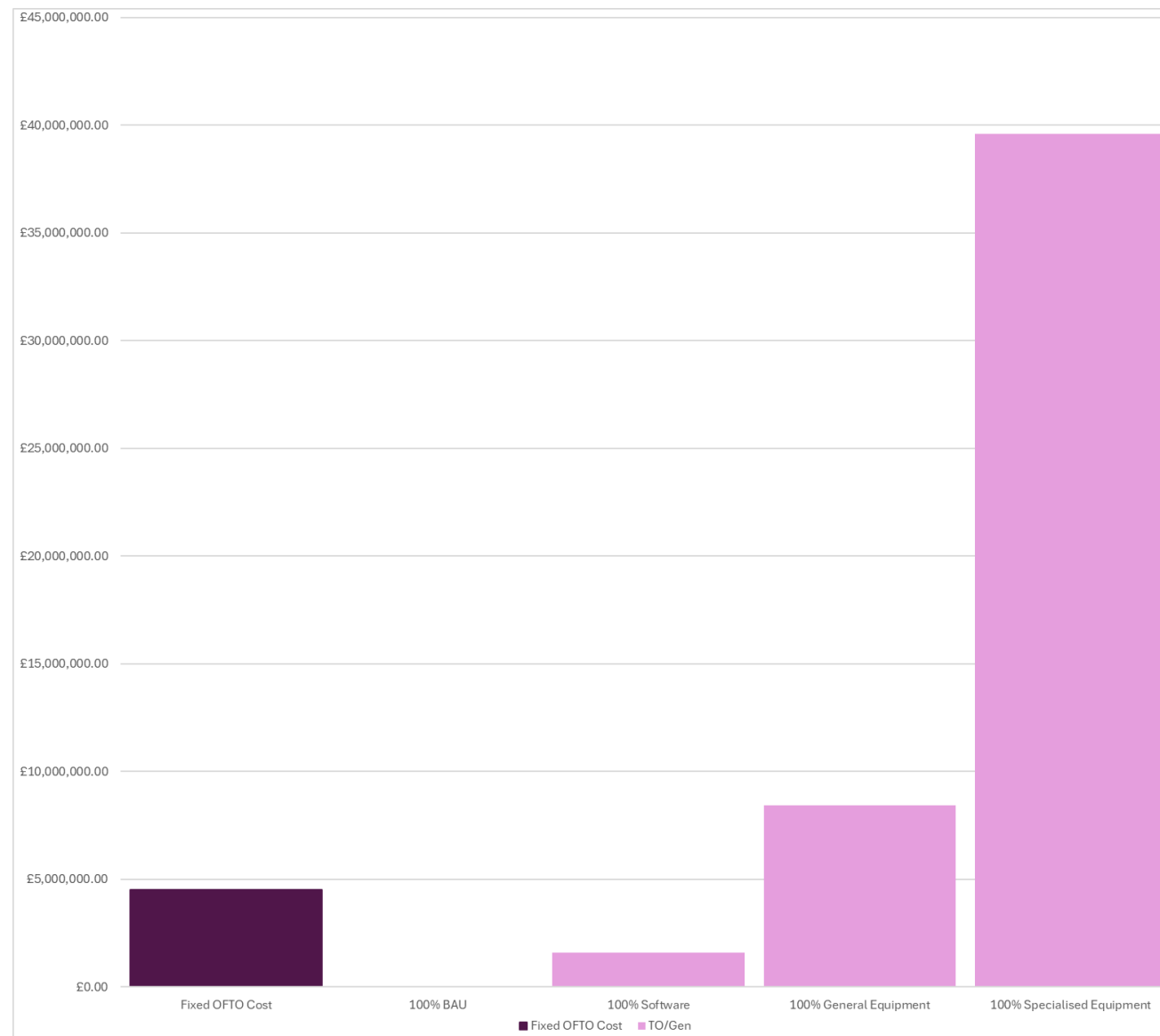
Annex

Public Power Flow Metering Polarity – Example Cost to Fix

- Cost to fix the meter polarity issue (based on TO data)
 - (1) BAU activity: **no cost**
 - (2) Software re-config and wiring changes are required on site: **£4,000 / meter**
 - (3) New equipment needs to be ordered and replaced on site: **£21,000 / meter**
 - (4) Meter points with 4G requirements needs to be ordered and replaced: **£98,524 / meter**
- Additional Cost for OFTO is **£100,000 / site**
 - 45 sites in total

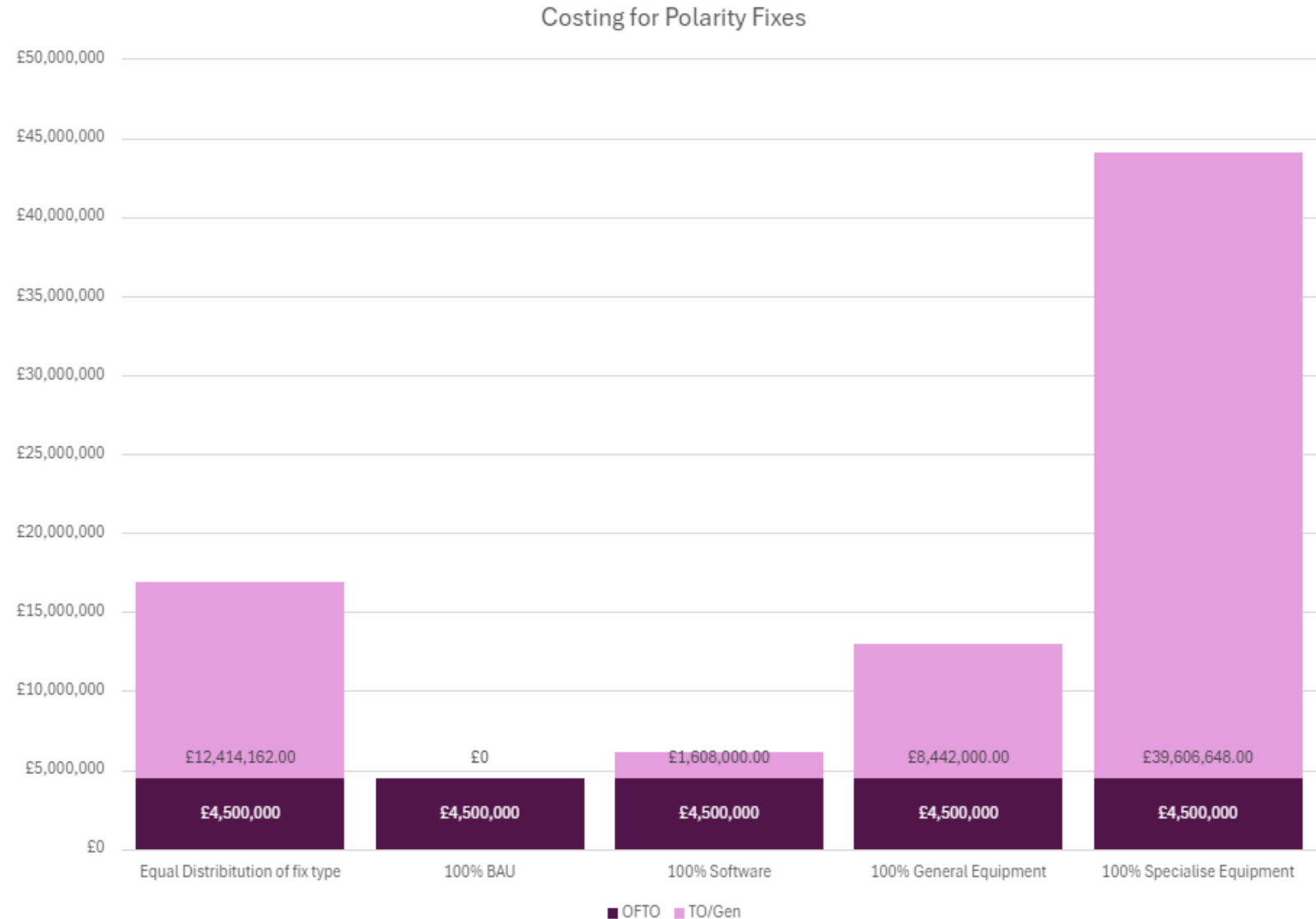
Power Flow Metering Polarity – Example Cost to Fix

- For the 416 OFTO meters across 45 sites, total expected cost will be: **£4.5m**
- For 402 TO/Generator meters we have assumed only 1 of the 4 options has been implemented. The lowest cost would be **£0**, the highest cost would be **£39.6m**
- Therefore, the total industry cost ranges between **£4.5m to £44.1m**



Public Considering the costs

- Based on hypothesis and theoretical calculation:
 - Extra balancing cost incurred due to incorrect polarity estimated at **£100m / year**
 - Cost to fix all meters with incorrect polarity estimated maximum of **£44m one off**
 - More cost efficient to fix the meters compared to spending extra money to offset the impact of incorrect polarity on a continuous basis



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.

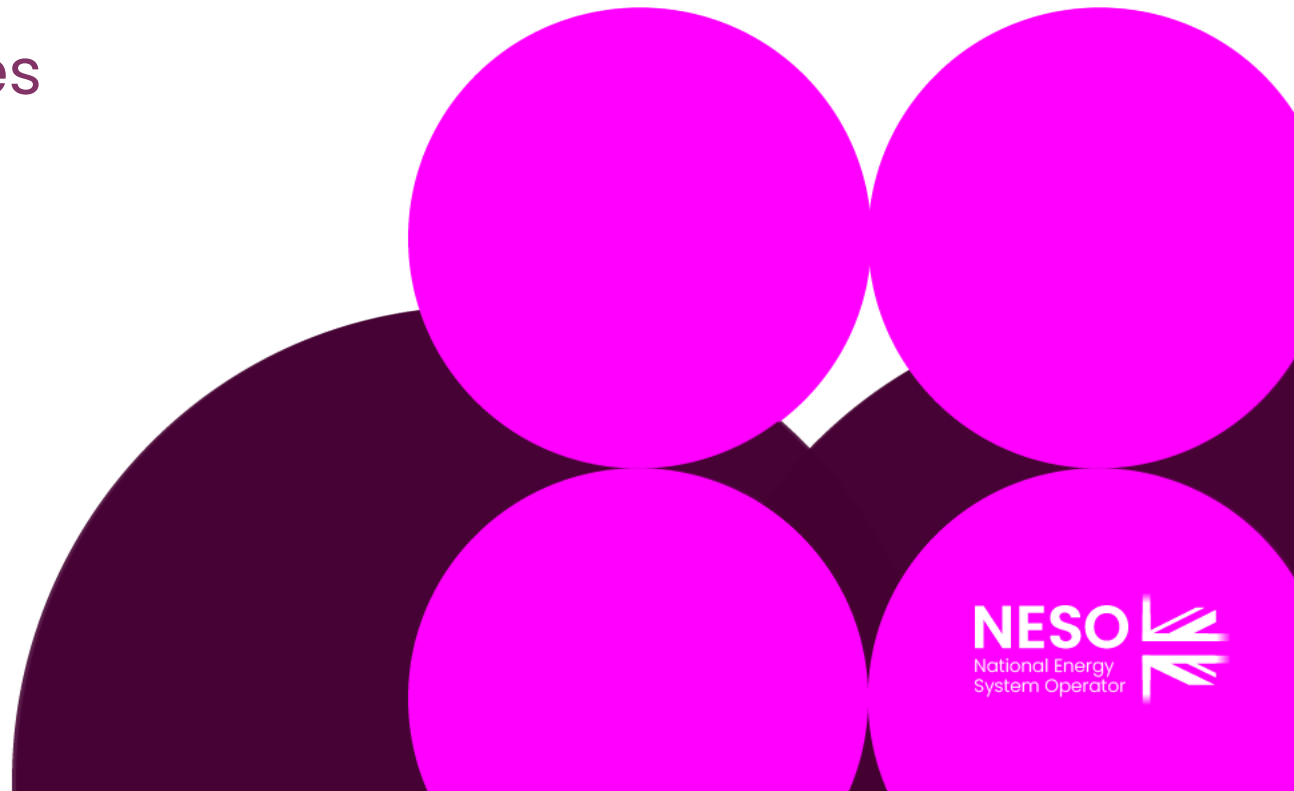
PM0157 Asks of Panel

- **AGREE** the materiality of the STCP change
- **AGREE** the implementation next steps
- **NOTE** that Implementation Date will be aligned to GC0182, if Panel agree to implement this change and Panel identify no material impacts

New STC Procedure

PM0133: Pathfinder feasibility Studies

Graham Lear and Alex Millar, NESO



PM0133 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
<ul style="list-style-type: none">Minor typographical and formatting changes.	<ul style="list-style-type: none">Proposer accepted all amendments made by the Code Administrator.

PM0133 Network Services Feasibility Studies – The issue

There is currently no codified approach to requesting feasibility studies to support network services procurement exercises:

- The current approach is to agree new contract forms and terms for each requested study.
- This approach is not efficient particularly due to the administrative burden involved.
- Creating a standardised and codified approach to managing these requests should help alleviate this and provide more clarity and consistency.

PM0133 Network Services Feasibility Studies – The solution

This proposal introduces a new STCP (STCP17-2) that outlines the process for Network Services (NS) Feasibility Studies:

- The new proposed STCP covers the process from initial request for the feasibility study to provision of the finalised feasibility study report.

We have worked with the TOs to gain feedback for the proposed legal text and incorporated various suggestions including:

- Additional wording linking this process to the process for Reservation discussed in STCP 16-1.
- Greater clarity in the definition of NS Exercise for where this process may be used.
- Clear timescales for agreeing the content of the NS Feasibility Study.
- The defining of an NS Feasibility Steering Group that can resolve disagreements ahead of any formal arbitration.

PM0133 Network Services Feasibility Studies – Materiality

Materiality:

- As we are proposing a new STCP we believe this constitutes a material STCP modification.
- This was raised at STC Panel on 20 August 2025 where agreement with this assessment was reached.
- Ofgem have been contacted and have advised that STC Panel should make the final decision on whether to approve PM0133.

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.

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- 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.

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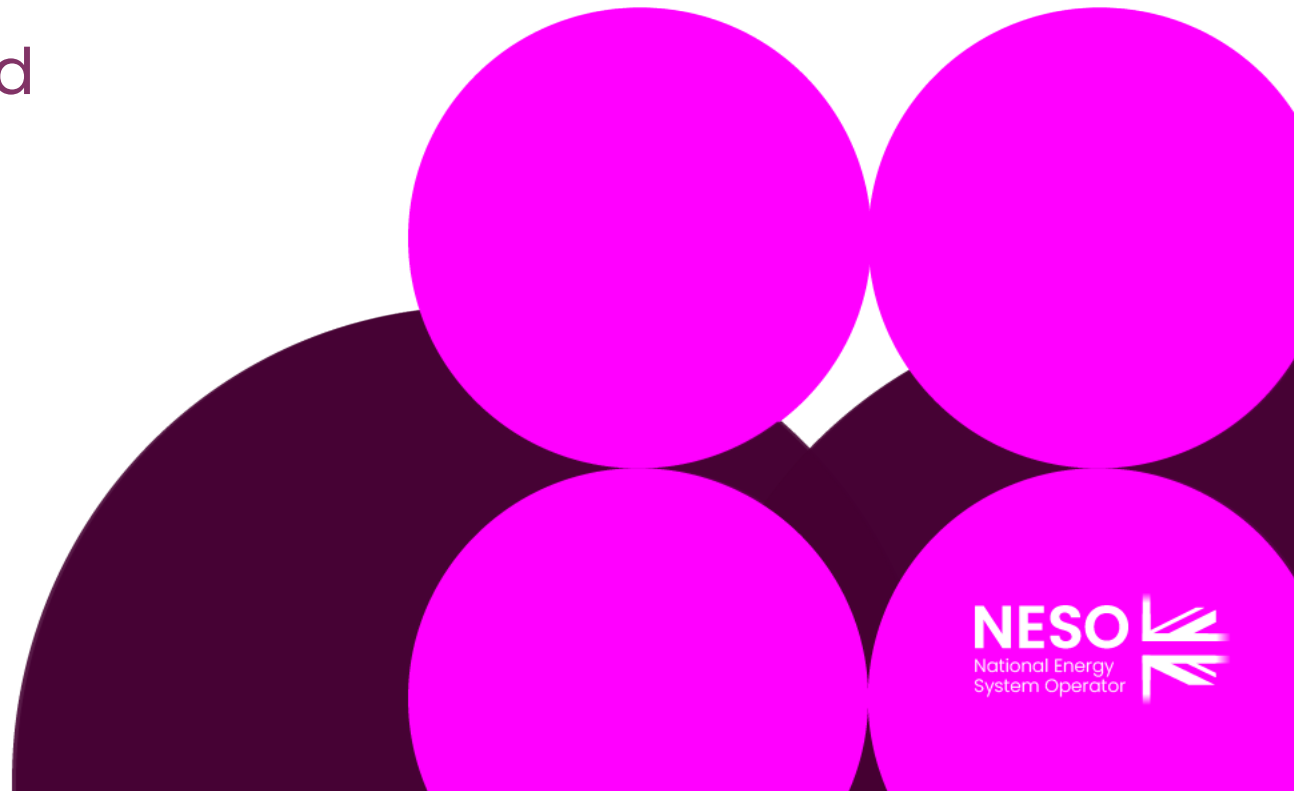
PM0133 Asks of Panel

- **AGREE** the materiality of the STCP change
- **AGREE** the implementation next steps
- **NOTE** that Implementation Date will be 13 May 2026 if Panel agree to implement this change and Panel identify no material impacts

New STC Procedure

PM0147: STCP 12-2 Issue 001 RMS and EMT Model Sharing Process

Frank Kasibante, NESO



PM0147 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
<ul style="list-style-type: none">• Modification process and timeline timetable updated.• Minor typographical and formatting issues corrected.	<ul style="list-style-type: none">• Proposer accepted all amendments made by the Code Administrator

PM0147

New STC Procedure STCP12-2 – Root Mean Square (RMS) and Electromagnetic Transient (EMT) Model Sharing Process

2nd Submission

Frank Kasibante

29 April 2026

The Issue

1. As Great Britain's power system moves towards net zero carbon operation; the network is transitioning from large synchronous Generators to a large number of smaller Inverter Based Resources (IBR).
2. These are causing new and varying challenges to the power system.
3. There are currently no requirements in the System Owner Transmission Owner Code (STC) for Transmission Owners (TOs) to submit EMT and RMS models of their assets to NESO and for the NESO to share these models with relevant Users.
4. This restricts the ability for NESO to perform system studies, modelling and post fault analysis.
5. NESO requires RMS and EMT models from TOs so that it can analyse and understand how these interactions affect the network under different system conditions.

Proposed Solution

Introduction of a new STC Procedure (STCP 12-2) which specifies;

1. The exchange of models (RMS and EMT) together with associated documentation between The Company and relevant TOs.
2. The process for NESO to consult with relevant TOs in their exchange of RMS and EMT models.
3. The process for NESO, where necessary, to share the relevant TO's RMS and EMT models with relevant Users connecting to their Transmission Systems.

Brief Summary of the Change – Materiality Assessment

STCP 12-2	Brief Summary	Materiality
	Coordination between NESO and relevant Transmission Owners, and operational activities regarding model submission, sharing, verification and validation.	Yes
	Process for retrospective submission, model testing, model maintenance, and development of legacy Plant models.	Yes

STCP Governance

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- 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.

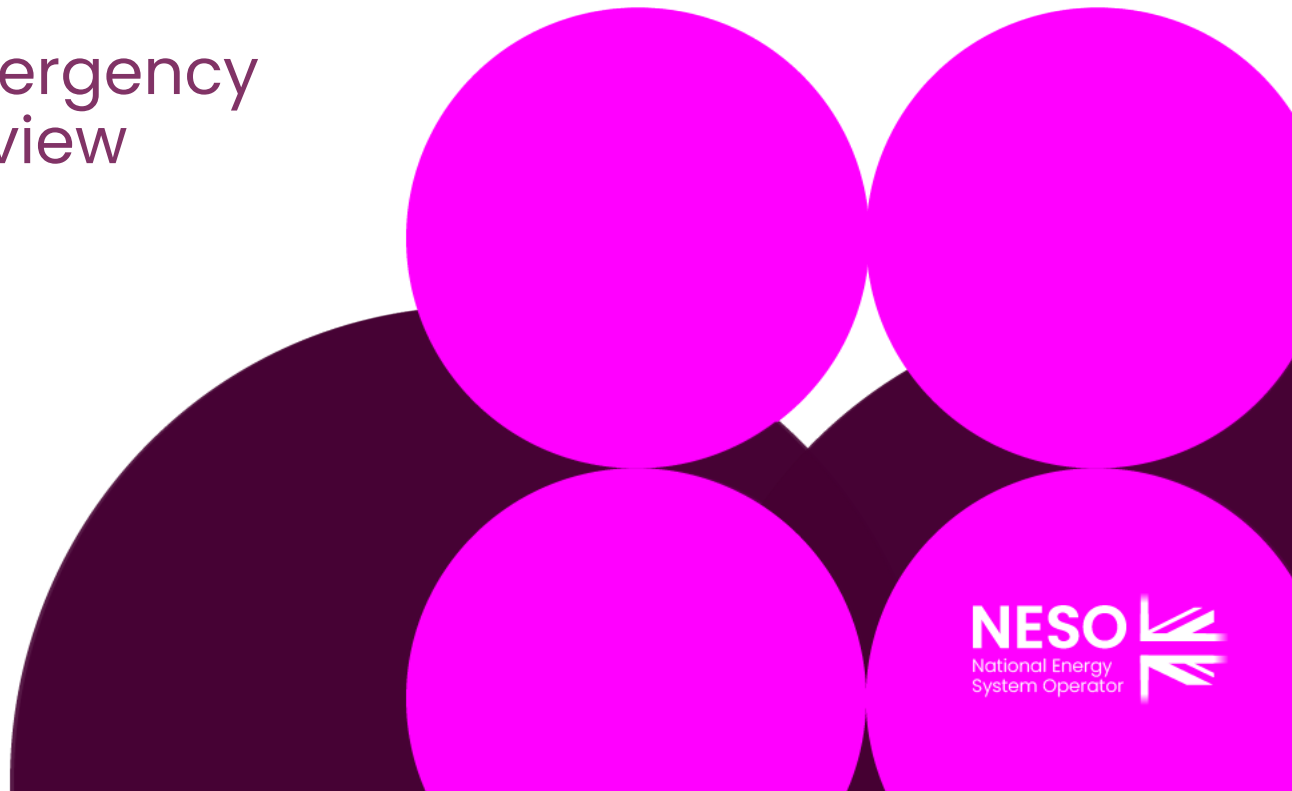
PM0147 Asks of Panel

- **AGREE** the materiality of the STCP change
- **AGREE** the implementation next steps
- **NOTE** that Implementation Date will be align with CM097 if Panel agree to implement this change and Panel identify no material impacts.

New STC Procedure

PM0153: System Access Reform. Emergency Return to Service (ERTS): Profiling Review

Maria Lopez (NESO)



PM0153 Critical Friend Feedback

Code Administrator comments	Amendments made by the Proposer
<ul style="list-style-type: none">• Amended the implementation days to 10 Business Days following Authority decision which is standard.• Implementation approach – Advised there is no urgency process for STCP. Asked Proposer to make less wordy and more concise.• Reference material needs to be linked.• Confirmed there are no interactions with other modifications or codes.• Legal Text has footnotes added. Should these be removed.	<ul style="list-style-type: none">• The Proposer accepted all amendments made by the Code Administrator.

STCP11-1: Emergency Return to Service Form

Legal Text update

- STCP11 Winter ERTS template
- Amend paragraph 6.4 and Appendix D Form
- Capture system margin, constraints, mitigations, recall plans
- Align with Electricity Networks Commissioner recommendations
- Aligned with Panel Request

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.

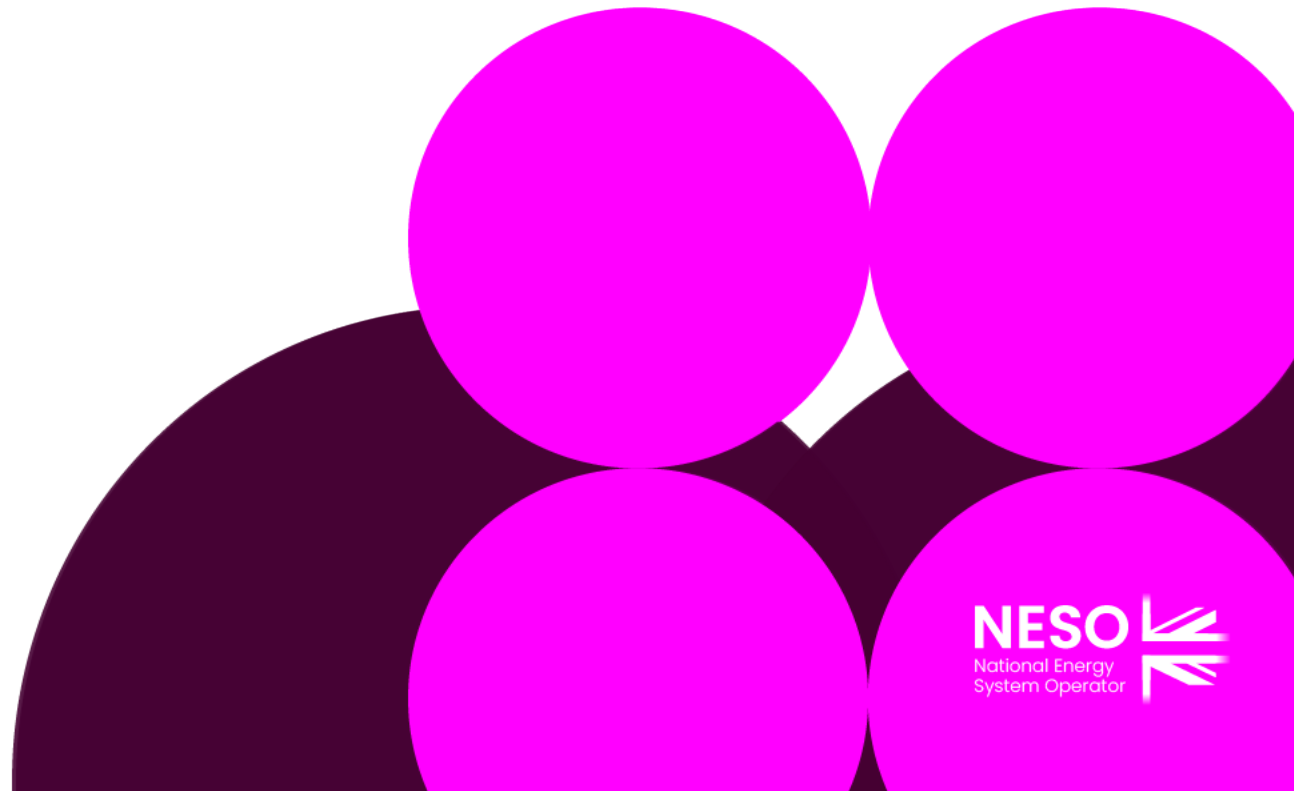
PM0153 Asks of Panel

- **AGREE** the materiality of the STCP change
- **AGREE** the implementation next steps
- **NOTE** that Implementation Date will be 14/05/2026 if Panel agree to implement this change and Panel identify no material impacts

New STC Procedure

PM0156: Consequential changes to STCP13-2 arising from CM093

Steve Baker, NESO





Critical Friend Feedback: PM0156

Code Administrator comments	Amendments made by the Proposer
<ul style="list-style-type: none">• Simplification of the overview.• Typographical changes throughout.	<ul style="list-style-type: none">• Accepted by the Proposer.• Accepted by the Proposer.

PM0156 – Consequential changes to STCP13-2 arising from CM093

Proposer: Steve Baker

Overview

Panel decision sought: Approval to implement (non-material STCP change)

- PM0156 seeks to make **consequential changes to STCP13-2** subject to approval of **CM093** (and the related CUSC change CMP417).
- The modification would ensure that **User Commitment Methodology principles** introduced through CM093 are **applied consistently** within STC procedures.
- The change is intended to maintain **clarity, alignment, and operability** across the STC framework.

Impact

- Expected to be **low impact**.
- Affects **NESO, Transmission Owners, and Users** subject to the Final Sums Methodology.

Summary of the proposed changes

PM0156 proposes to:

- Update STCP13-2 so that it:
 - Reflects the outcomes of CM093, and
 - Aligns with the implementation of CMP417 in the CUSC.
- Extend relevant User Commitment Methodology principles to Final Sums Users within STC procedures.
- Ensure consistent interpretation and application of:
 - References,
 - Terminology, and
 - Methodological assumptions across codes.

What PM0156 does not do:

- Does not introduce new obligations beyond those already approved under CM093
- Does not change the policy intent of CM093 or CMP417
- Does not create new commercial or charging arrangements

Proposed legal text changes

AREA OF STC	SECTION / LOCATION	LEGAL TEXT CHANGES
STCP	STCP13-2 SIF & LARF Methodology Proposed process amends:	<p>1.4 Application</p> <p>This STC Procedure applies for the purposes of calculating the Strategic Investment Factor (SIF) and Local Asset Reuse Factor (LARF) in respect of Attributable Works associated with:</p> <ul style="list-style-type: none"> a) generation capacity; b) demand capacity; c) embedded demand capacity; and d) embedded generation capacity; <p>where such Attributable Works associated are subject to security and cancellation arrangements under Section 15 of the CUSC as extended by CM093.</p>
STCP	STCP13-2 SIF & LARF Methodology Proposed process amends:	<p>2 Key Definitions</p> <p>2.1 For the purposes of STCP 13-2 SIF & LARF Methodology:</p> <p>2.1.1 Local Asset Reuse Factor (LARF). As defined in CUSC section 15</p> <p>2.1.2 Strategic Investment Factor (SIF): As defined in CUSC section 15</p> <p>2.1.3 Attributable Works: As defined in the STC schedule 9 in relation to NESO with whom a TO Construction Agreement is entered and detailed in the agreed Appendix of such an agreement</p> <p>2.1.4 Demand Capacity: has the meaning given to it in the CUSC</p> <p>2.1.5 Embedded Demand Capacity: has the meaning given to it in the CUSC</p>

Governance approach

Governance route: STCP modification (non-material)

- The Proposer has assessed PM0156 as **non-material**, reflecting:
 - Its purely consequential nature, and
 - The absence of new policy, impacts, or obligations.
- The Panel is asked to:
 - Confirm the **materiality assessment**, and
 - Approve the change to proceed to **implementation**.

Implementation:

- Proposed implementation date:
 - **Aligned with CM093**, to ensure coherent go-live across codes.

Panel decision requested:

- Agree that PM0156 is non-material and approve implementation.

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.

PM0157 Asks of Panel

- **AGREE** the materiality of the STCP change
- **AGREE** the implementation next steps
- **NOTE** that Implementation Date will be aligned to CM093 if Panel agree to implement this change and Panel identify no material impacts

Inflight Modification Updates

- **CM079** – Modification update

CM079 Update

- CM079 was proposed by NGET as a consequential modification to the CUSC modification CMP414.
- Both modifications have been the subject of both industry discussions between NESO and Ofgem, and an Ofgem CFI which opened on 13 February 2026.
- The Authority have stated that the subject of these modifications is a high priority, particularly regarding their programme of demand connections reform.
- Ofgem briefed the CMP414 Workgroup in March 2026 that the new powers that they and DESNZ hold under the Planning and Infrastructure Act (PIA), may be used to implement the code changes in both these modifications within the wider reform process.
- At the CMP414 Workgroup held on 20 April 2026, a representative from Ofgem confirmed that the modifications would be taken into the PIA powers, as set out above.
- The Workgroup process will continue for a short while with CMP414, as they are going into the Workgroup Consultation phase. One more Workgroup will be held following this to consider the consultation responses.
- In turn, this means that as a consequential modification of CMP414, CM079 is not now needed as the PIA powers do not require the usual code governance process to be carried out.

CM079– the asks of Panel

- **NOTE** the Ofgem decision regarding the proposed future path (PIA) for the CM079 proposed solution

Workgroup Reports

- **CM097:** Electromagnetic Transient (EMT) and Root Mean Square (RMS) Model Submission for Transmission Owners (TOs)
- **CM093:** Extending the principles of the User Commitment Methodology to Final Sums methodology as a consequence of CUSC Modification – CMP417

Workgroup Report

CM097: Electromagnetic Transient (EMT) and Root Mean Square (RMS) Model Submission for Transmission Owners (TOs)

Claire Gault (Workgroup Chair)



Solution and Workgroup Vote

Solution

The proposed solution is to:

1. Mandate the collection of EMT and RMS models from TOs. Enable the sharing of these TO models with relevant Users and allow NESO to share Users' EMT and RMS models with TOs for conducting studies. These models will contribute to a comprehensive Great Britain (GB) Model, facilitating investigations, post-fault analyses, and planning studies.
2. Create a new STCP (12-2) to specify the model exchange process between TOs and NESO ([STCP Modification PM0147](#)).

Summary of Workgroup Vote:

The Workgroup concluded unanimously (5 out of 5 votes) that the Original Solution better facilitated the Applicable Objectives than the Baseline.

Terms of Reference

The Workgroup concluded that they have met their Terms of Reference. The references are located below:

Workgroup Term of Reference	Location in Workgroup Report
a) Implementation;	Annex 07
b) Review and support the legal text drafting;	Annex 03
c) Ensure the appropriate Industry experts or stakeholders are engaged in the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup;	Annex 08
d) The cross Code impacts this Modification has, in particular the CUSC ;	Pages 4, 6, 12, 15, and 21
e) Consider STCP 12-2 alongside CM097;	Pages 6-9, 12-15 Annex 07
f) Consider how to produce/gather models for existing assets;	Annex 07
g) Assess the materiality of costs/resources needed for STC Parties to comply with additional requirements brought forward by the proposer's solution;	Pages 7-10
h) Compliance with the Electricity Regulation and any Relevant Legally Binding Decisions of the European Commission and/or the Agency.	Page 19

CM097 Asks of Panel

- **AGREE** that the Workgroup have met their Terms of Reference
- **AGREE** that this Modification can proceed to Code Administrator Consultation
- **NOTE** the ongoing timeline

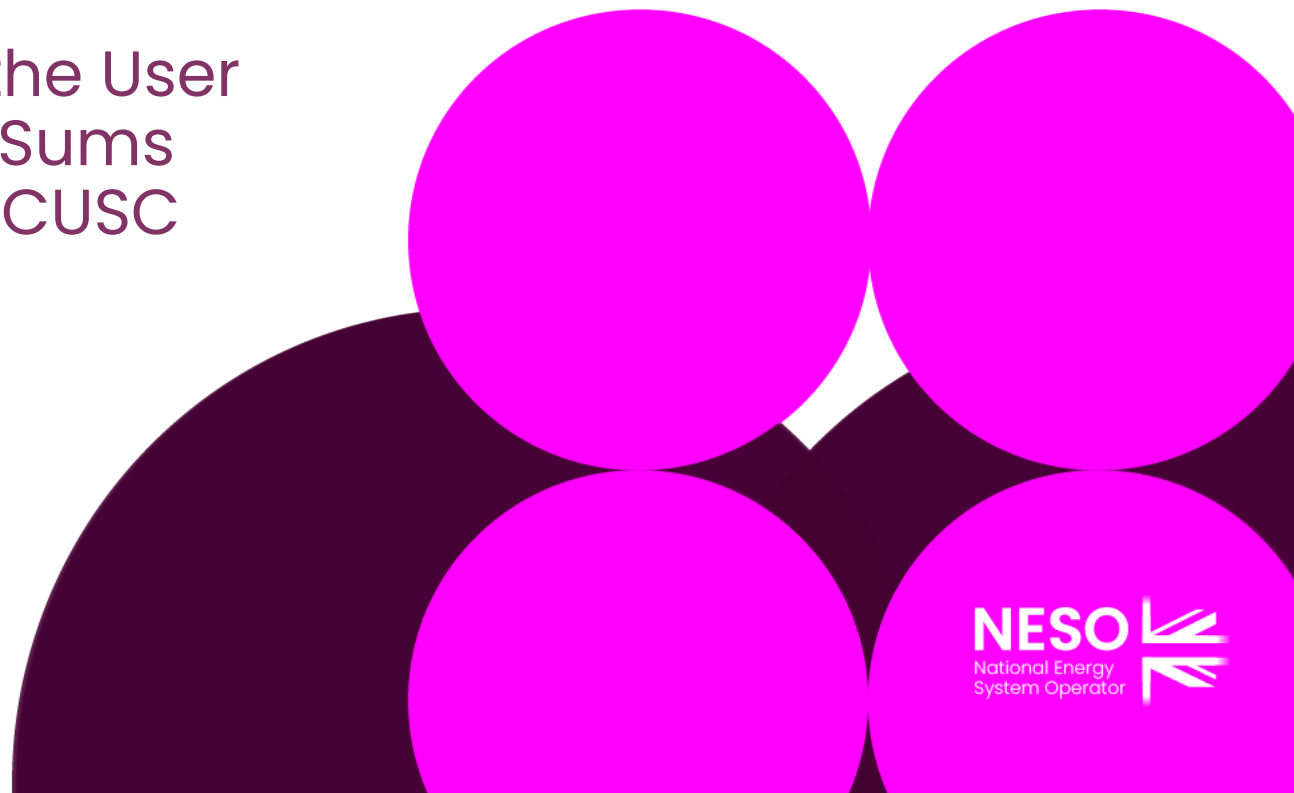
CM097 Next Steps

Milestone	Date
Code Administrator Consultation (15 Business Days)	05 May 2026 to 5pm on 27 May 2026
Draft Final Modification Report issued to Panel	16 June 2026
Draft Final Modification Report presented to Panel	24 June 2026
Final Modification Report issued to Panel to check votes recorded correctly (5 Business Days)	01 July 2026 to 8 July 2026
Submission of Final Modification Report to Ofgem	16 July 2026
Ofgem decision date	TBC
Implementation Date	10 Business Days after Authority Decision

Workgroup Report

CM093: Extending the principles of the User Commitment Methodology to Final Sums methodology as a consequence of CUSC Modification – CMP417

Robert Hughes (Workgroup Chair)



Key points to note

- This is a consequential modification to the CUSC modification CMP417.
- Following the hiatus caused by the priority modifications for Connections reform, the Workgroups for this modification re-started in October 2025.
- There has been close alignment with CMP417, with meetings in cadence to ensure professional, commercial and legal text issues are dealt with together. The Proposer of CMP417 has attended all of the Workgroups for CN093.
- The timeline objective is for both CMP417 and CM093 FMRs to be sent to the Authority together in early July.
- There is a consequential STCP modification to CM093. This relates to STCP 13-2, issues 004, SIF and LARF methodology.

Solution(s) and Workgroup Vote

Solution/summary of solutions:

- The solution aims to clarify the responsibilities of Customers regarding works outlined in the CUSC Final Sums conventions, focusing on both User specific and wider system works within the TOCO/A.
- Additionally, the [CMP417](#) 'Extending principles of CUSC Section 15 to all Users' solution seeks to implement reducing factors for Customer liabilities and calls for changes in the STC to ensure that all Users receive the SIF and LARF. The solution agreed by the Workgroup aligns the STC to this CUSC modification.

Summary of Workgroup Vote:

- The Workgroup voted unanimously that the Original Proposal achieved the Applicable Objectives better than the current Baseline.

Terms of Reference

The Workgroup conclude that they have met their Terms of Reference. The references are located below:

Workgroup Term of Reference	Location in Workgroup Report
a) Implementation	Pages 10, 13 and 19
b) Review and support the legal text drafting;	Pages 5, 6, 11 and 12
c) Ensure the appropriate Industry experts or stakeholders are engaged in the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup	Annexes 02, 06 and 07
d) The cross Code impacts this Modification has, in particular the CUSC	Pages 4,5,6,11 and 12
e) Consider the wider consequences of the proposed changes, including any TO investment risk, commercial signals to developers, and any interactions with on-going Connections Reform	Pages 6,7,8,9,10 and 11

CM093 Asks of Panel

- **AGREE** that the Workgroup have met their Terms of Reference
- **AGREE** that this Modification can proceed to Code Administrator Consultation
- **NOTE** that this Modification does not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the CUSC
-
- **NOTE** the ongoing timeline

CM093 Next Steps

Milestone	Date
Code Administrator Consultation (15 Business Days)	05 May 2026 to 5pm on 27 May 2026
Draft Final Modification Report issued to Panel	16 June 2026
Draft Final Modification Report presented to Panel	24 June 2026
Final Modification Report issued to Panel to check votes recorded correctly (5 Business Days)	01 July 2026
Submission of Final Modification Report to Ofgem	09 July 2026
Ofgem decision date	TBC
Implementation Date	10 Business Days after Authority Decision

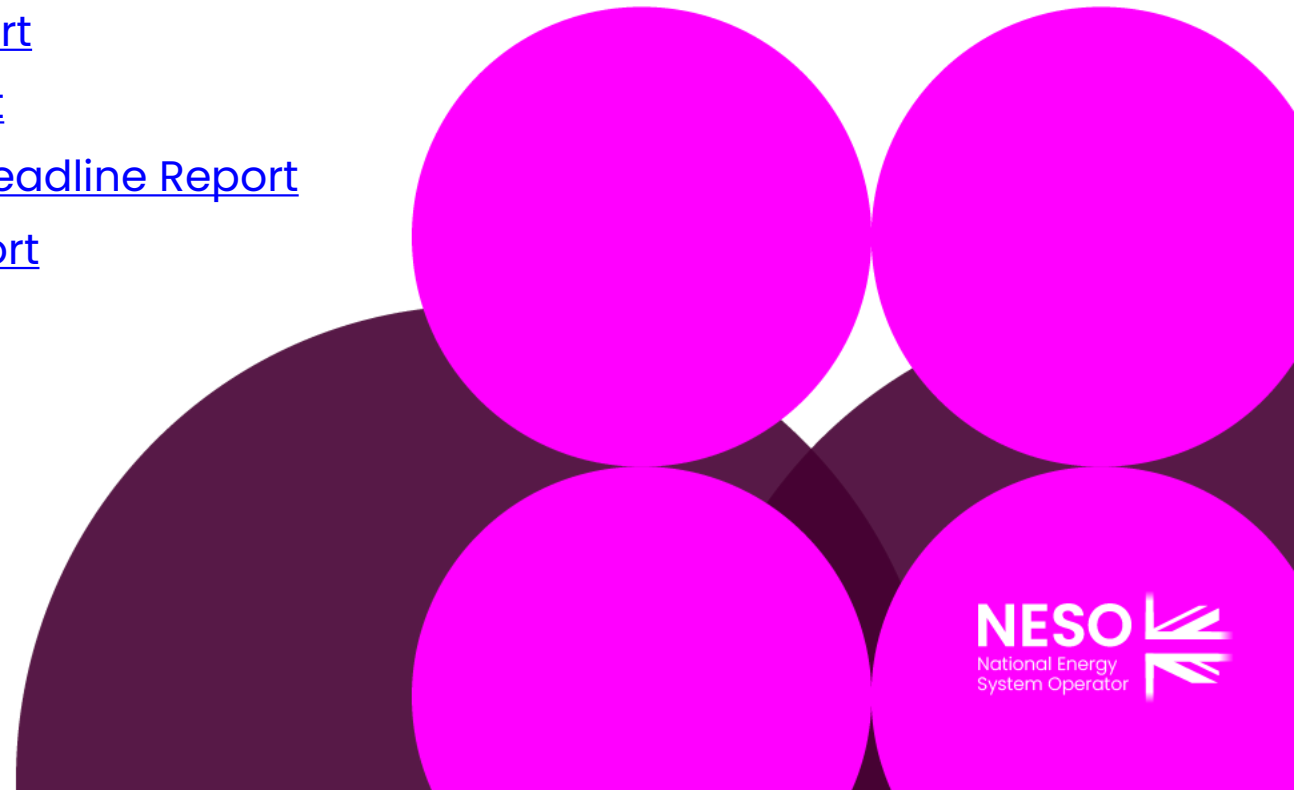
Updates on other industry codes

24 March 2026 SQSS [Panel Papers and Headline Report](#)

25 March 2026 STC [Panel Papers and Headline Report](#)

26 March 2026 Grid Code Review [Panel Papers and Headline Report](#)

27 March 2026 CUSC [Panel Papers and Headline Report](#)



Any Other Business

- CACoP Principles Update
- STC Section J Update

Activities ahead of the next STC Panel Meeting

Modification Proposal Deadline for May STC Panel	05 May 2026
Papers Day	12 May 2026
STC Panel Meeting	20 May 2026

Close

Teri Puddefoot
Chair, STC Panel