

STC Panel

Wednesday 26 October 2022

WELCOME

A wide-angle landscape photograph featuring a valley with a winding river and several bright, glowing orange-yellow lines that curve across the terrain, suggesting energy or data flow. In the background, large, rugged mountains are partially covered in snow under a dramatic, cloudy sky with a low sun.

nationalgridESO

Introductions & Apologies for absence

- **Apologies**

- Nicola Bruce
- Keith Jones
- Joel Matthews
- Nadir Hafeez

- **Alternates**

- Terry Baldwin

- **Presenters**

- Tony Johnson/Kwaku Nti
- Milly Lewis
- Laura Henry
- David Halford

- **Observers**

- Gareth Stanley
- Alastair Grey
- Banke John - Okwesa

Approval of Panel Minutes

Approval of Panel Minutes from the Meeting held
28 September 2022



Actions Log

Review of the actions log



Authority Decisions

Decisions Received since last Panel meeting

None

Decisions Pending

None

New modification submitted

**PM0126 (CMP298/CM080) -
'Transmission Impact
Assessment Process'**





Proposal – PM0126 Changes to STCPs required in relation to CMP298/CM080

'Transmission Impact Assessment Process'

Terry Baldwin
26 October 2022

PM0126 ETI/TIA Process (STCP 18-4)- Summary

- Wider issues were identified with the CPA process. The process applied to the TIA process has been kept in line with statement of works process until this is resolved
- New definitions have been added in the key definitions of the document
- Widened the objectives of the procedure to include ETI and TIA due to process similarities
- New sections for Introduction, Evaluation of transmission Impact and Transmission Impact Assessment
- Following implementation further engagement will be carried out to setup the new processes

PM0126 - the asks of Panel

- **Agree** and **Approve** the STCP changes 'in Principle'.

Implementation will be inline with Ofgem's decision on CMP298/CM080

Draft modifications to be discussed



DRAFT

- ***PM0128 (GC0156) – Implementation of the Electricity System Restoration Standard***
- ***PM0124 (CMP315/CM)375) – Enduring Expansion Constant & Expansion Factor Review Overview***

An aerial photograph of a patchwork of green agricultural fields. Several bright, glowing yellow diagonal streaks, resembling light trails or energy flows, cut across the fields from the bottom left towards the top right. The text is overlaid on the left side of the image.

Electricity System Restoration Standard

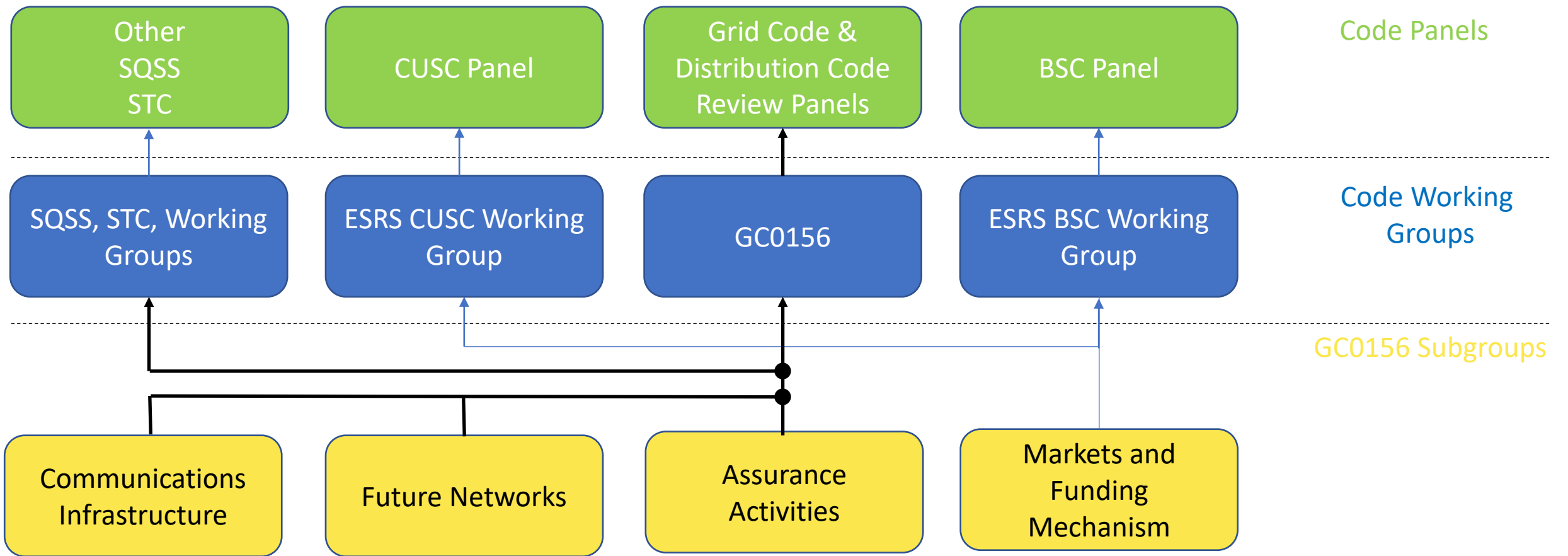
GC0156 Presentation to STC Panel

26 October 2022

Facilitation of the the ESRS

- Special Condition 2.2 of National Grid's Electricity System Operator's Transmission Licence, the Electricity System Restoration Standard (ESRS) requires
 - a. 60% of electricity demand being restored within 24 hours in all regions; and
 - b. 100% of electricity demand being restored within 5 days nationally.
- The purpose of this direction is to require that the ESO
 - a) Ensures and maintains an electricity restoration capability; and
 - b) Ensures and maintains the restoration timeframe.
 - c) Replace the definition of "Black Start" with "Electricity System Restoration"
- The aim is to restore the system and supplies as quickly as possible in the most economic manner

ESRS Hierarchy and Subgroups



Expected STC Changes

- As part of this process some changes will be required to the STC and STCP's most of which are consequential
- These are minor as most of the changes apply to "Users" through the Grid Code and Distribution Code.
- STC Changes
 - Section C (Transmission Services and Operations)
 - Section J (Interpretation and Definitions)
 - Schedule 3 (Information and Data Exchange Specification)

Expected STCP Changes

- STCP02.1 (Alarm and Event Management)
- STCP 04-3 (Real Time Data Provision)
- STCP 04-4 (Provision of Asset Operational Information)
- STCP 04-5 (Operational Telephony)
- STCP 04-6 (Offshore Datalink Functional Specification for Telecontrol Communications Interface)
- STCP 06-1 (Black Start)
- STCP 06-4 (Contingency Arrangements)
- STCP08-1 (Protection settings)
- STCP 08-3 (Operational Tests and System Tests)
- STCP16-1 (Investment Planning)
- STCP 18-1 (Connection and Modification Application)
- STCP 19-3 (Operational Notification and Compliance Testing)
- Others?

Next Steps

- Conclude legal text drafting for Grid Code and Distribution Code
- Update the System Defence Plan, System Restoration Plan & Test Plan
- Update the Grid Code and STC to facilitate the provision of Black Start from Offshore Networks – this is expected to be a significant growth area in the future
- Consequential changes to STC and STCP as a result of GC0156 Modification

Request of STC Panel

- To be aware of the changes to be introduced through Grid Code modification GC0156
- Most of the changes apply to both Grid Code User's and Transmission Licensees
- The ESO will undertake a review of the STC and STCP's to ensure consistency with the GC0156 changes and raise the necessary STC / STCP mods to reflect these.

Next Steps

- Conclude legal text drafting for Grid Code and Distribution Code
- Update the System Defence Plan, System Restoration Plan & Test Plan
- Update the Grid Code and STC to facilitate the provision of Black Start from Offshore Networks – this is expected to be a significant growth area in the future
- Consequential changes to STC and STCP as a result of GC0156 Modification
- **Raise the STCP change formally at the November Panel**



CMP315 and CMP375: Enduring Expansion Constant & Expansion Factor Review CUSC Modification & STCP Consequential Modification (PM0124) Update

26 October 2022

David Halford, NGENSO

CMP315 & 375- background

What is the issue?

- As approved under CMP353, the CUSC currently specifies that the Expansion Constant (EC) and associated generic onshore Expansion Factors (EF) are fixed at the value used in 2020/21 plus relevant inflation for each following year
- Without establishing and implementing an enduring solution for the calculation of the EC and EFs there is a risk that the charging methodology will not appropriately reflect the incremental costs of the system to Users
- CMP315 (TNUoS: Review of the Expansion Constant and elements of the Transmission System charged for) & CMP375 (Enduring Expansion Constant and Expansion Factor Review), seeks to review and amend the calculation of the Expansion Constant & Expansion Factors to better reflect the growth of and investment in the National Electricity Transmission System (NETS)
- This proposal will have a high potential impact on all Users who pay TNUoS charges, ESO and Onshore and Offshore Transmission Owners

How is the modification being managed?

- CMP315 & 375 are being progressed together as a Standard Governance modification with workgroups currently on-going
- Consequential changes to STCP are likely to be required to facilitate these proposals

CUSC Modification Progress and Potential STCP Impacts

- Latest Workgroup held on the 11th October with further discussions around the possible solutions to address the modifications. There are currently two original proposals and five alternatives being discussed in the Workgroups.
- Further development on the precise definition of the 7 possible solutions required by 25th October, before formal voting can be concluded in respect of the current solutions.
- Next workgroup to take place on the 2nd November, with the objective of voting on the solutions which will go forward into the Workgroup Report.
- A slight extension may be required to the current CUSC modification timelines due to the complexity of the possible solutions.
- Current view is that the Final Modification Report will be presented to Ofgem February/March 2023, with implementation taking place from the April 2024 charging year, if approved.

Current view of STC impacts (PM0124)

- STCP14-1 is likely to require changes if the CUSC solutions require amendments to current Expansion Constant requirements with respect to details of the provision of data from the TOs.
- The two ESO proposed alternatives require no changes to STCPs, but both original proposals and the other alternatives will currently require changes to STCP14-1 in respect of additional data requests or more frequent requests of data currently supplied as part of Section 3.5 of STCP14-1.
- Once a definitive set of CUSC solutions has been confirmed, the corresponding specific STCP changes to STCP 14-1, 3.5 will be identified, drafted and presented to TOs for initial review and comment.



Work Group Modification Report

CM084: Clarify STCP modification approach for cross-code changes

Milly Lewis

Workgroup Report

CM084: Clarify STCP modification approach for cross-code changes

Milly Lewis

CM084 Summary

- CM084 has built on the existing governance provisions within the System Operator Transmission Owner Code (STC) to ensure a timelier development and approval of STCP modifications – particularly those which result from cross-code changes.

Solution(s) and Workgroup Vote

Solution/summary of solutions:

- **Update 7.3.** Amendment and Creation of Code Procedures of Section B: Governance of the STC Code to better manage STCP modification processes, including for cross-code changes

Summary of Workgroup Vote:

- The Workgroup met on 30 September 2022 and concluded they had met the Terms of Reference. They also concluded unanimously that the Original solution better facilitated the Applicable STC Objectives than the Baseline.

CM084 Workgroup Terms of Reference

Workgroup Term of Reference	Location in Workgroup Report
a) Implementation	Page 8
b) Review and support the legal text drafting;	Annex 3
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	Page 7
d) The cross Code impacts this Modification has, in particular on the CUSC, giving consideration to Grid Code and SQSS	Page 8. There are no reverse cross code impacts

CM084– the 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

CM084 Next Steps (Standard Governance)

Milestone	Date
Code Administrator Consultation (15 working days)	28 October 2022 to 5pm on 18 November 2022
Draft Final Modification Report issued to Panel	22 November 2022
Draft Final Modification Report presented to Panel	30 November 2022
Final Modification Report issued to Panel to check votes recorded correctly (5 working days)	02 December 2022
Submission of Final Modification Report to Ofgem	12 December 2022
Ofgem decision date	TBC
Implementation Date	10 Working days after authority decision

Potential Future Modifications and impacts of other modifications

Modifications Tracker – Sally Musaka

Authority Update (SCRs/Energy Code Review) – Nadir Hafeez

Reports from Sub-Committees

Joint Planning Committee (JPC)

- **Next meeting: TBC**

Network Access Policy Workgroup (NAP)

- **Next meeting: Mid September 2022**

Code Administrator Update

None

AOB

- Connection Reform



TEC Amnesty /Queue Management

TEC Amnesty



ESO launches new initiative to connect electricity generation to the transmission system faster



TEC (Transmission Entry Capacity) Amnesty launched to clear stalled projects from the TEC register.



[Expression of Interest](#) running from 1 October to 30 November 2022 the amnesty window allows customers to leave the register at no cost or a reduced fee.



Part of a wider initiative of actions and reforms that the ESO are leading on to improve connections management in the short and longer term

TEC Amnesty

What is the TEC Register?

- The TEC Register dictates the queue for connections to the national electricity transmission network and includes all projects that seek a connection offer.

What is the TEC Amnesty?

- To support the delivery of Net Zero, the ESO are offering network participants the opportunity to request to Terminate their Connection Agreement with minimal or no charges.

What are the criteria for projects to leave the TEC Register?

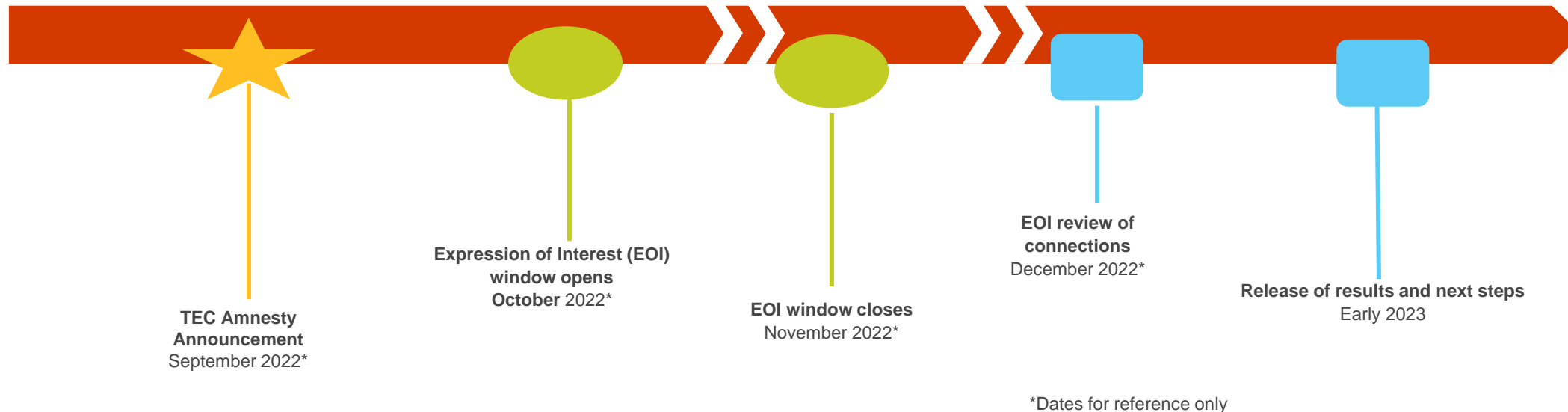
- That no costs associated with Transmission reinforcements would still have to be incurred had the original application been for the newly requested value;
- That the Termination is not considered to require any further analysis beyond a desktop assessment to ascertain the impact of the Termination on the planned Transmission works, or have an impact on the local connection works or to require significant changes to the Connection Agreement;
- That there is no detrimental effect on other Users of the network in that connection dates or costs are adversely affected

Does TEC Amnesty apply to Bilateral Embedded Generation Agreement (BEGA) connections?

- Customers that hold a BEGA can also come forward to express their interest to terminate or reduce TEC on the transmission contract held with NGESO;
- However, the TEC Amnesty doesn't extend to connection contracts between Customer and the relevant Distribution Network Operators;

What are the timescales to apply for this voluntary process?

For the period 1 October to 30 November 2022 inclusive users can fill out an expression of interest form and their agreement will then be assessed against the criteria and a decision will be made by early 2023.



TEC Amnesty Q&A Sessions

In August 2022 we held a Customer Connections Agora dedicated to providing further insight to the TEC Amnesty process, you can find the slides and recording from this session [on our website](#).

Date of next meeting

Wednesday 30 November 2022

Panel Papers Day – 22 November 2022

Modification Submission date – 15 November 2022

Close

