GSR032: Facilitate Implementation of the Electricity System Restoration Standard

28 April 2023

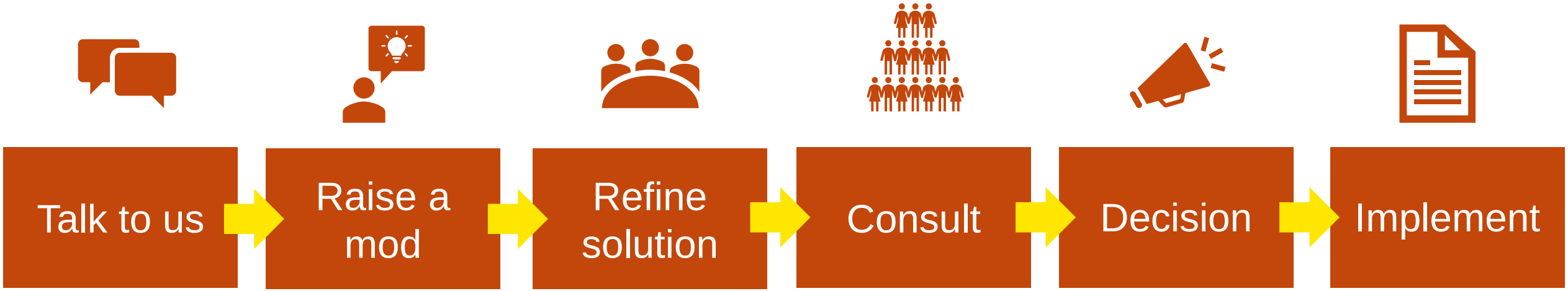
Online Meeting via Teams

WELCOME

Modification Process

Milly Lewis – ESO Code Administrator

Code Modification Process Overview



Forums

Panels

Workgroups
(Workgroup Consultations)

Ofgem/Panel

Refine solution
Workgroups

- If the proposed solution requires further input from industry in order to develop the solution, a Workgroup will be set up.

- The Workgroup will:
  - further refine the solution, in their discussions and by holding a **Workgroup Consultation**
  - Consider other solutions alongside the Original Modification
  - Have a **Workgroup Vote** so views of the Workgroup members can be expressed in the Workgroup Report which is presented to Panel

Consult

Code Administrator Consultation

- The Code Administrator runs a consultation on the **final solution(s)**, to gather final views from industry before a decision is made on the modification.

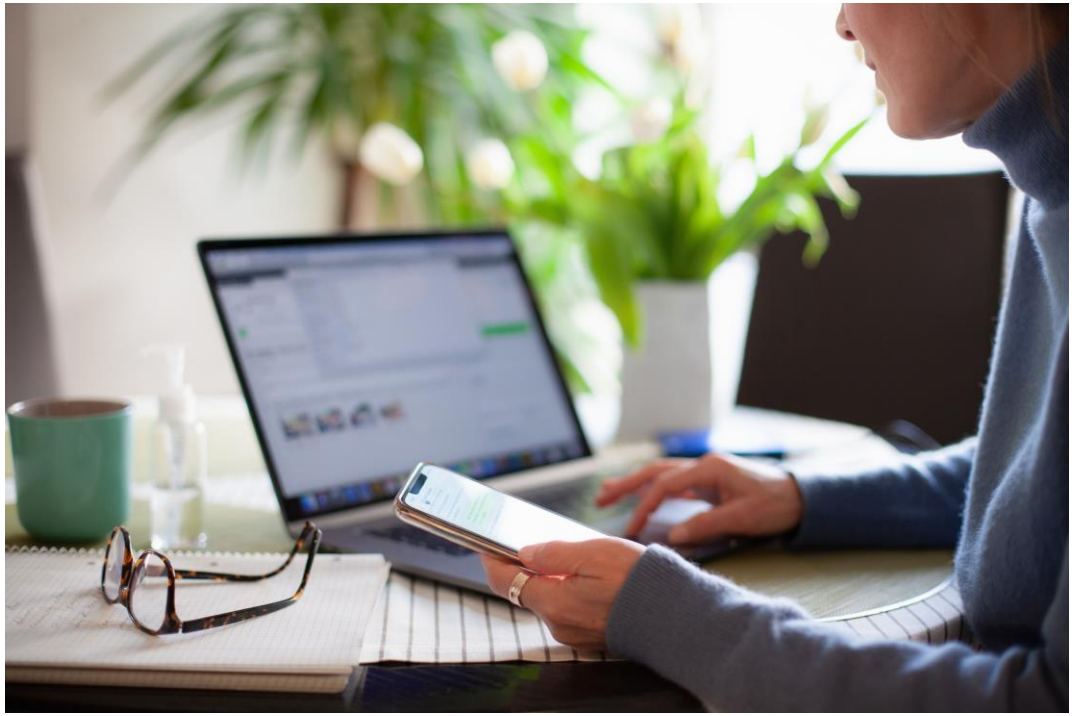
- After this, the modification report is voted on by Panel who also give their views on the solution.

Decision

- Dependent on the Governance Route that was decided by Panel when the modification was raised
- **Standard Governance:** Ofgem makes the decision on whether or not the modification is implemented

Implement

- The Code Administrator implements the final change which was decided by the Ofgem on the agreed date.



Workgroup Responsibilities

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Expectations of a Workgroup Member

- Contribute to the discussion
- Be respectful of each other's opinions
- Language and Conduct to be consistent with the values of equality and diversity
- Do not share commercially sensitive information
- Be prepared - Review Papers and Reports ahead of meetings
- Complete actions in a timely manner
- Keep to agreed scope

Your Roles

- Help refine/develop the solution(s)
- Vote on whether the solution(s) better facilitate the Code Objectives

Workgroup Vote

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Can I vote? and What is the Workgroup Vote?

To participate in any votes, Workgroup members need to have attended at least 50% of meetings

Stage 2 – Workgroup Vote

- 2a) Assess the original against the Applicable SQSS objectives compared to the baseline

Objectives, Timeline and Terms of Refernce

Milly Lewis – ESO Code Administrator

Timeline for GSR032 as at 21 April 2023

Stages	Date	Objectives
Workgroup 1	28/04/2023	Agree timeline, Terms of Reference, understand outline of the Proposer's solution
Workgroup 2	12/05/2023	Refine solution and draft workgroup consultation questions
Workgroup 3	19/05/2023	Finalise Workgroup Consultation
Workgroup Consultation	23/05/2023 - 13/06/2023	
Workgroup 4	22/06/2023	Review / assess Workgroup consultation responses and Workgroup Report.
Workgroup 5	30/06/2023	Finalise solution(s) and legal text, agree that Terms of Reference have been met, Review Workgroup Report and hold Workgroup Vote
Workgroup Report to Panel	04/07/2023	
Code Administrator Consultation	17/07/2023 - 07/08/2023	
Draft Final Modification Report to Panel	05/09/2023	
Final Modification to Ofgem / Appeals Window opened	25/09/2023	
Implementation Date	TBC	

Terms of Reference

Workgroup Term of Reference	
a)	Consider the potential impact of Assurance Activities (as per the Assurance Activities report) on SQSS requirements for BAU operation.
b)	Consider the need or otherwise to extend the role of the SQSS to explicitly include the design and operation of the system under system restoration conditions (Rather than just BAU).
c)	Develop the legal text as appropriate.
d)	Consider whether any further Industry experts or stakeholders should be invited to participate within the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup. Demonstrate what has been done to cover this clearly in the report.
e)	Confirm if the SQSS needs developing/updating to ensure either existing or future OFTOs have similar requirements to onshore TOs i.e. The ability to utilise Offshore Networks as part of the Restoration Process and if relevant, whether any technical requirements should be retrospectively applied, if so, recognising how existing OFTOs are then remunerated.
f)	Consider the technical suggestions in Future Networks subgroup report Section 4 (pages 14-17) and whether they are applicable to the SQSS.
g)	Consider any other cross codes impacts.

Proposer presentation and questions

Llewellyn Hoenselaar – ESO

Facilitation of the Electricity System Restoration Standard (ESRS)

Special Condition 2.2 of National Grid's Electricity System Operator's Transmission Licence, the Electricity System Restoration Standard (ESRS) was introduced in October 2021 and 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 "System Restoration"

The aim is to restore the system and supplies as quickly as possible in the most economic manner

Grid Code documents reviewed

- Glossary and Definitions
- Planning Code
- Connection Conditions
- European Connection Conditions
- Operating Code 1
- Operating Code 2
- Operating Code 5
- Operating Code 9
- Balancing Code 2
- Balancing Code 4
- Data Registration Code
- General Conditions

Supplementary Grid Code related documents reviewed

- System Defence Plan
- System Restoration Plan
- Test Plan
- Control Telephony Standard
- Communications Standard
- Distribution Restoration Zone Control System (subject to substantial overhaul)

SQSS modification

Based on the information in the Future Networks subgroup report it was marginal whether or not the SQSS should be modified, by confirming the SQSS Panel agreement on 4th April for progression to work groups, we have an audited process for Ofgem and discharging part of our ESRS obligation.

Justification for modifying SQSS as a result of ESRS:

- Specifies TO/OFTO network design requirements to support restoration
- Introduces System Restoration for consideration
- The ESRS is a new requirement under which all the Codes need to be reviewed to ensure the standard can be met

Cross Code Impacts

Milly Lewis – ESO Code Administrator

Any Other Business

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Next Steps

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