

# GSR029 - Review of Demand Connection Criteria to Align with EREC P2/7

**06 September 2022**

**Online Meeting via Teams**

# WELCOME



nationalgridESO



# Objectives and Timeline

Milestone	Date	Milestone	Date
Modification presented to Panel	13 July 2022	Code Administrator Consultation	27 January - 21 February 2023
Workgroup Nominations (15 Working Days)	18 July – 5 August 2022	Draft Final Modification Report (DFMR) issued to Panel (5 working days)	13 March 2023
Workgroup 1 - Proposer's presentation, check Terms of Reference, initial review of legal text	8 August 2022	Panel undertake DFMR recommendation vote	20 March 2023
Workgroup 2 – Refine Solution	6 September 2022		
Workgroup 3 - Finalise Workgroup Consultation document	10 October 2022		
Workgroup Consultation (15 working days)	18 October – 7 November 2022	Final Modification Report issued to Panel to check votes recorded correctly	24 March 2023
Workgroup 4 - Discuss consultation responses, refine solution and legal text	14 November 2022	Final Modification Report issued to Ofgem	5 April 2023
Workgroup 5 - Hold Workgroup vote, Finalise Workgroup Report and Legal text	28 November 2022		
Workgroup report issued to Panel (5 working days)	16 January 2023	Ofgem decision	TBC
Panel sign off that Workgroup Report has met its Terms of Reference	24 January 2023	Implementation Date	TBC – in accordance with Authority timeline

# Review of Action Log

Milly Lewis – National Grid ESO Code Administrator

## Actions Log

Number	Action	Owner	Status
1	To modify Timeline and modify meeting invites accordingly	ML	Open
2	To review AC comments and respond	BA	Open
3	To check definition of Electricity Storage Plant in the G99 and update the Workgroup	MW	Open
4	Present a draft outline for what topics are likely to go into the SQSS versus the Guidance (to be included in the Workgroup Report)	CL/BA	Open

A landscape photograph of a mountain range with a glowing yellow energy line curving across the foreground. The sun is low in the sky, creating a warm, golden light. The mountains are rugged and partially covered in snow. The foreground is a grassy field.

SQSS Modification  
GSR029 P2/7 Alignment

Can Li/Bieshoy Awad  
NGESO

# Contents

Discussion points categorisation

Feedback on legal text comments

Treatment of Storage

Requests for TOs

# Discussion points categorisation

## High-level principles

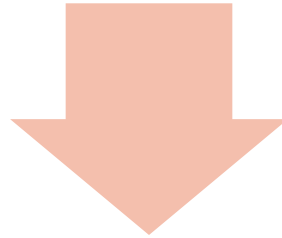
- Group demand definition change (net to gross)
- Demand security contribution change



SQSS Legal  
Text

## Guidance on application of the SQSS (TO)

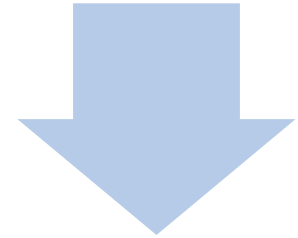
- Assessment of demand security contribution from large power stations



Workgroup  
report

## Supplementary guidance on how DNOs prepare data to facilitate assessment

- Storage contribution to the size of group demand and demand security.



Workgroup  
report

# Treatment of Storage

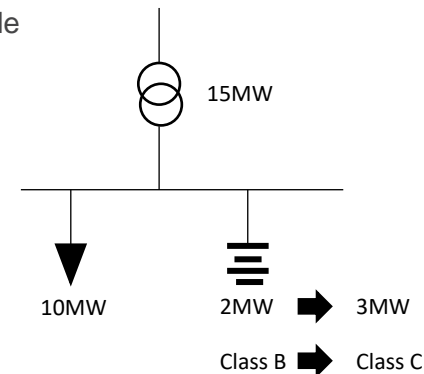
## Prior to connection

1. Storage submits a connection application to DNO showing their demand pattern.
2. DNO works out the group demand while taking into account
  - a. the data submitted by storage, or
  - b. DNOs best view (if available)
3. This group demand is used to assess compliance
4. DNO works out the group demand assuming peak demand while taking into account full import of the storage
5. If the worst case group demand could result in non-compliance, DNO puts in place measures to minimise the impact on customers other than the storage provider.

## Once connected

1. DNO assess the group demand on annual basis while taking into account the actual operation of storage.
2. Identify and address any non-compliance using the normal means.

Example



Existing customer may have falling demand security from the standard but not reduced security from what they have got prior to the connection of storage.



# Requests for TOs

1. Impact assessment on changing group demand definition (net demand to gross demand).
2. Impact assessment on changing demand security contribution calculation
  1. Current assessment process
  2. How to use EREP 130



The slide features several decorative yellow lines. In the top left, there are several thin, curved lines that sweep upwards and to the right. In the bottom right, there are several thicker, parallel diagonal lines that sweep upwards and to the right, creating a sense of movement and modern design.

# Terms of Reference

Milly Lewis – National Grid ESO Code Administrator

# GSR029 – Terms of Reference

Workgroup Term of Reference
Consider whether the guidance provided in EREP 130 for assessing the security contribution to the distribution system is suitable for assessing the security contribution to the transmission system
Consider the option to review the analysis undertaken by Imperial College London when developing EREP 130
Given the materiality of typical BESS installations, provided specific guidance on the assessment of BESS demand on the transmission system and assessing the security contribution from it (noting that the security contribution from a BESS is not included in the scope of EREP 130)
Consider if there are any alternative proposals
Consider if there are consequential changes to other codes, such as the Grid Code in relation to planning data,
[ToR determined by Panel]



The slide features several decorative yellow lines. In the top left, there are several thin, curved lines that sweep upwards and to the right. In the bottom right, there are three thick, parallel diagonal lines that sweep upwards and to the right, starting from the bottom left and extending towards the top right. The main title 'Next Steps' is positioned in the upper left area, and the speaker's name is below it. The logo is in the bottom right corner.

# Next Steps

Milly Lewis – National Grid ESO Code Administrator