



BSC Modification Proposal Form		At what stage is this document in the process?
<h1>P480</h1> <p><b>Mod Title:</b> Publication of regional demand forecast data to fulfil ESRS Reporting requirements</p>	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid green; background-color: #28a745; color: white; padding: 5px; display: flex; align-items: center; justify-content: center;"> <span style="font-weight: bold; font-size: 1.2em; margin-right: 5px;">01</span> Modification         </div> <div style="border: 1px solid #17a2b8; padding: 5px; display: flex; align-items: center; justify-content: center;"> <span style="font-weight: bold; font-size: 1.2em; margin-right: 5px;">02</span> Workgroup Report         </div> <div style="border: 1px solid #6f42c1; padding: 5px; display: flex; align-items: center; justify-content: center;"> <span style="font-weight: bold; font-size: 1.2em; margin-right: 5px;">03</span> Draft Modification Report         </div> <div style="border: 1px solid #fd7e14; padding: 5px; display: flex; align-items: center; justify-content: center;"> <span style="font-weight: bold; font-size: 1.2em; margin-right: 5px;">04</span> Final Modification Report         </div> </div>	
<p><b>Purpose of Modification:</b> <i>To fulfil new requirements in Operating Code (OC) OC 1.7</i></p> <p>The purpose of this modification is to facilitate the Electricity System Restoration Standard (ESRS) requirements to publish the day-ahead peak demand forecast during normal period for each restoration region and the demand restored in each restoration region published hourly during a System Restoration as part of the BMRS data (Elexon Insights Solution Platform) from 31 December 2026.</p> <p>In order to facilitate this, the BSC should be updated to introduce an obligation on NGESO to submit the data and a requirement on the BMRA to make the data available on BMRS (currently referred to as Insights Solution platform)</p>		
<p><b>Is this Modification likely to/Does this Modification impact any of the European Electricity Balancing Guideline (EBGL) Article 18 Terms and Conditions held within the BSC?</b></p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		
	<p>The Proposer recommends that this Modification should:</p> <ul style="list-style-type: none"> <li>be sent directly into the Report Phase</li> </ul> <p>This Modification will be presented by the Proposer to the BSC Panel on 12 September 2024. The Panel will consider the Proposer's recommendation and determine how best to progress the Modification.</p>	
	<p><b>Low Impact:</b></p> <p>National Grid ESO</p>	

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## Timetable


### The Proposer recommends the following timetable:

Initial Written Assessment presented to Panel	12 September 2024
Report Phase Consultation	16 September 2024 – 27 September 2024
Draft Modification Report presented to Panel	10 October 2024
Final Modification Report published <i>[Self-Governance]</i>	18 October 2024

 Any questions?

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# 1 Why Change?

## What is the issue?

In October 2021 Department of Business Energy Industrial Strategy (now Department for Energy Security and Net Zero (DESNZ)) issued a direction in accordance with Special Condition 2.2 of National Grid's Electricity System Operator's (NGESO) Transmission License – The Electricity System Restoration Standard (ESRS) framework. This came after a review undertaken by BEIS (now DESNZ), of the current regulatory framework for dealing with widespread electricity failure. A nationwide electricity failure has never occurred in GB; however similar events have happened internationally. The ESRS aims to mitigate such risks that could disrupt GB's energy supplies.

The ESRS requires NGESO to have sufficient capability and arrangements in place to restore 100% of Great Britain's electricity demand within 5 days. It should be implemented regionally, with an interim target of 60% of regional demand to be restored within 24 hours. The ESRS will reduce restoration time across Great Britain and ensure a consistent approach across all regions. The ESRS requirements must be met by 31 December 2026.

[Grid Code modification GC0156](#)<sup>1</sup> was raised on 09 February 2022 to facilitate the implementation of ESRS. The Authority approved the implementation of GC0156 modification<sup>2</sup> on 05 February 2024. One of such provisions the NGESO is responsible for is detailed in Operating Code (OC) 1.7:

1. Publish daily, 60% and 100% of the peak day-ahead demand forecast for each of the seven restoration regions on BMRS during normal operation from 31 December 2026.
2. Publish hourly, on reasonable endeavours basis, the demand restored for each restoration zone during system restoration on BMRS from 31 December 2026.

Currently, the day-ahead demand forecast is published on Elexon's Insight Solution platform (referred to as BMRS in the BSC). To fulfil the requirements of OC 1.7, the day-ahead peak demand forecast for each restoration region must be published on Insights Solution platform during normal system operation. The demand restored in each restoration region must be published hourly during a System Restoration.

## Desired outcomes

The desired outcome of this modification is that Elexon amends its system to support the implementation of the provisions of OC 1.7 and publish the data as required in line with changes outlined in GC0156.

# 2 Solution

## Proposed Solution

This Modification proposal proposes to amend [BSC Section Q paragraph 6.1](#)<sup>3</sup> to introduce an obligation on NGESO to:

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<sup>1</sup> <https://www.nationalgrideso.com/industry-information/codes/gc/modifications/gc0156-facilitating-implementation-electricity-system-restoration-standard>

<sup>2</sup> <https://www.ofgem.gov.uk/sites/default/files/2024-02/GC0156%20Authority%20Decision.pdf>

<sup>3</sup> <https://bscdocs.elexon.co.uk/simple-guides/section-q-balancing-services-activities>

- Submit the peak day-ahead demand forecast data by restoration region (that is North Scotland, South Scotland, North East, North West, Midlands, South East and South West) daily during normal operation; and
- During a System Restoration, submit the demand restored data in each region which will be published via the Insights Solution platform.

## Benefits

The benefit of implementing the proposal is to support the implementation of GC0156 and allow NGENSO to fulfil its obligation of publishing the demand forecast data and hence fulfilling the requirements of ESRS. This will also help create industry wide awareness of the daily restoration target & restoration progress per region during a System Restoration event should a Partial or Total shutdown occur.

### 3 Relevant Objectives

Impact of the Modification on the Relevant Objectives:	
Relevant Objective	Identified impact
a) The efficient discharge by the Transmission Company of the obligations imposed upon it by the Transmission Licence	Positive
(b) The efficient, economic and co-ordinated operation of the National Electricity Transmission System	Positive
(c) Promoting effective competition in the generation and supply of electricity and (so far as consistent therewith) promoting such competition in the sale and purchase of electricity	Neutral
(d) Promoting efficiency in the implementation of the balancing and settlement arrangements	Neutral
(e) Compliance with the Electricity Regulation and any relevant legally binding decision of the European Commission and/or the Agency [for the Co-operation of Energy Regulators]	Positive
(f) Implementing and administrating the arrangements for the operation of contracts for difference and arrangements that facilitate the operation of a capacity market pursuant to EMR legislation	Neutral
(g) Compliance with the Transmission Losses Principle	Neutral

#### Objective a)

The ESRS directive was issued by BEIS (now DESNZ) on the NGESO in accordance with Special Condition 2.2 of National Grid Electricity System Operator Electricity transmission licence. Thus, this change is part of actions to comply with this directive and will facilitate the operations of the NGESO.

#### Objective b)

Implementation of OC 1.7 will contribute to the coordination of restoration efforts as relevant parties will be aware of and working towards common restoration targets.

#### Objective e)

OC 1.7 is part of the GC0156 modification which is primarily for fulfilling the NGESO's ability to meet ESRS requirements.

## 4 Potential Impacts

### Impacts on Core Industry Documents

Impacted Core Industry Documents			
<input type="checkbox"/> Ancillary Services Document	<input type="checkbox"/> Connection and Use of System Code	<input type="checkbox"/> Data Transfer Services Agreement	<input type="checkbox"/> Use of Interconnector Agreement
<input type="checkbox"/> Retail Energy Code	<input type="checkbox"/> Transmission License	<input type="checkbox"/> System Operator Transmission Owner Code	<input type="checkbox"/> Supplemental Agreements
<input type="checkbox"/> Distribution Code	<input type="checkbox"/> Grid Code	<input type="checkbox"/> Other (please specify)	

This is a consequential Change that will bring BSC in line with the Grid Code (versus making change that the GC will need to respond to).

### Impacts on BSC Systems

Impacted Systems				
<input type="checkbox"/> CRA	<input type="checkbox"/> CDCA	<input type="checkbox"/> PARMS	<input type="checkbox"/> SAA	<input checked="" type="checkbox"/> BMRS
<input type="checkbox"/> EAC/AA	<input type="checkbox"/> FAA	<input type="checkbox"/> TAAMT	<input type="checkbox"/> NHHDA	<input type="checkbox"/> SVAA
<input type="checkbox"/> ECVAA	<input type="checkbox"/> ECVAA Web Service	<input type="checkbox"/> Elexon Portal	<input type="checkbox"/> Other (Please specify)	

The Change that is requested is to publish regional day-ahead demand forecast and demand restored in each region during a System Restoration on Insights Solution platform (formerly BMRS).

### Impacts on BSC Parties

Impacted Parties			
<input type="checkbox"/> Supplier	<input type="checkbox"/> Interconnector User	<input type="checkbox"/> Non Physical Trader	<input type="checkbox"/> Generator
<input type="checkbox"/> Licensed Distribution System Operator	<input checked="" type="checkbox"/> National Electricity Transmission System Operator	<input type="checkbox"/> Virtual Lead Party	<input type="checkbox"/> Other (Please specify)

## Impacts on consumers and the environment

Impact of the Modification on consumer benefit areas:	
Consumer benefit area	Identified impact
Improved safety and reliability Implementing the provisions of OC 1.7 will help the ESO meet ESRS requirements resulting in a more reliable electricity system.	Positive
Lower bills than would otherwise be the case	Neutral
Reduced environmental damage	Neutral
Improved quality of service This change is part of efforts to reduce restoration time and ensure restoration efforts is spread across all regions.	Positive
Benefits for society as a whole Meeting ESRS targets means that the economic loss resulting from a total/partial shutdown will be limited.	Positive

This change is part of arrangements by the NGENSO to ensure that 60% of national demand can be restored in all restoration regions in the 24hrs following a partial/total shutdown and 100% within 5 days. Restoring electricity supplies across all regions in within the ESRS timeframe will improve the reliability of the system and reduce the effects of a shutdown on consumers.

## Legal Text Changes

This Modification proposes to amend BSC Section Q 6.1 to enable the change for the publication of the data on the Elexon's Insight Solution platform.

## 5 Governance

### Self-Governance *(choose one)*

<input type="checkbox"/> <b>Not Self-Governance</b> – A Modification that, if implemented:	
<input type="checkbox"/> materially impacts the Code’s governance or modification procedures	<input type="checkbox"/> materially impacts sustainable development, safety or security of supply, or management of market or network emergencies
<input type="checkbox"/> materially impacts competition	<input type="checkbox"/> materially impacts existing or future electricity consumers
<input type="checkbox"/> materially impacts the operation of national electricity Transmission System	<input type="checkbox"/> is likely to discriminate between different classes of Parties
<input type="checkbox"/> involves any amendments to the EBGL Article 18 Terms and Conditions related to Balancing; except to the extent required to correct an error or as a result of a factual change	
<input checked="" type="checkbox"/> <b>Self-Governance</b> – A Modification that, if implemented:	
Does not materially impact on any of the Self-Governance criteria provided above	

This Modification is not directly impacting any of the criteria above and it is likely to have an impact on them indirectly. Hence there is likely not a material impact on any of the criteria above. Therefore, it is proposed that this Modification is to be considered as Self-governance.

### Progression route *(choose one)*

<input type="checkbox"/> <b>Submit to assessment by a Workgroup</b> –:A Modification Proposal which:	
does not meet any criteria to progress via any other route.	
<input checked="" type="checkbox"/> <b>Direct to Report Phase</b> – A Modification Proposal whose solution is typically:	
<input type="checkbox"/> of a minor or inconsequential nature	<input checked="" type="checkbox"/> deemed self-evident
<input type="checkbox"/> <b>Fast Track Self-Governance</b> – A Modification Proposal which meets the Self-Governance Criteria and:	
is required to correct an error in the Code as a result of a factual change including but not limited to:	
<input type="checkbox"/> updating names or addresses listed in the Code	<input type="checkbox"/> correcting minor typographical errors
<input type="checkbox"/> correcting formatting and consistency errors, such as paragraph numbering	<input type="checkbox"/> updating out of date references to other documents or paragraphs
<input type="checkbox"/> <b>Urgent</b> – A Modification Proposal which is linked to an imminent issue or current issue that if not urgently addressed may cause:	
<input type="checkbox"/> a significant commercial impact on Parties, Consumers or stakeholder(s)	<input type="checkbox"/> a Party to be in breach of any relevant legal requirements.
<input type="checkbox"/> a significant impact on the safety and security of the electricity and/or gas systems	



**Does this modification impact a Significant Code Review (SCR) or other significant industry change projects, if so, how?**

No. We request that this modification be treated as an SCR Exempt Modification Proposal

**Does this Modification impact any of the EBGL Article 18 Terms and Conditions held within the BSC?**

No

**Implementation approach**

NGESO is obligated to fulfil the ESRS requirements by 31 December 2026. Therefore, we expect this modification to be implemented on 26 June 2025 as part of June BSC Standard Release, to allow sufficient time to address any issue that may arise prior to 31 December 2026.