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To Whom It May Concern

NATIONAL ELECTRICITY TRANSMISSION SYSTEM SECURITY AND QUALITY OF SUPPLY STANDARD (SQSS) – DRAFT VERSION 2.7

On 05 February 2024 GSR032: Facilitate Implementation of the Electricity System Restoration Standard was approved by the Authority.

National Grid ESO has published a draft version 2.7 of the SQSS on their website along with this note to explain the changes within it.

An updated version of the SQSS will incorporate these changes in due course. When an updated version is formalised, the Authority will hold a licence consultation to reflect the updated version of the SQSS in the Electricity Transmission Licence.

SUMMARY OF CHANGES

GSR032: Facilitate Implementation of the Electricity System Restoration Standard

Summary: This Modification is proposing a number of changes to the National Electricity Transmission System Security and Quality of Supply Standard (SQSS) to facilitate the direction issued by BEIS1[1] in accordance with Special Condition 2.2 of National Grid's Electricity System Operator's Transmission Licence to implement an Electricity System Restoration Standard (ESRS) which requires 60% of electricity demand to be restored within 24 hours in all regions, and 100% of electricity demand to be restored within 5 days nationally

High Impact: on Onshore Transmission Owners and Offshore Transmission Owners (**No Impact** on existing OFTO network).

Changes: the following changes have been incorporated within the draft version 2.7 of the SQSS:

1. Clause 11 Terms and Definition: two new definitions inserted:

Restoration Contractor	*As defined in the Grid Code.*
Restoration Plan	*A plan produced, agreed and signed by NGESO, network operators, restoration contractors and transmission licensees to restart the system in the event of a total or partial shutdown*

2. New Appendix I System Restoration Requirements inserted:

Appendix I System Restoration Requirements

[1] BEIS is now referred to as Department for Energy Security and Net-Zero (DESNZ)

I.1 *These key requirements apply to onshore transmission systems. In the case of offshore transmission systems, the requirements of this Appendix I would only be applied to those offshore transmission systems who had concluded design contracts for their assets on or after 05 February 2024.*

I.1.1 *Each transmission system shall be designed to facilitate participation in a restoration plan as appropriate including but not limited to the assessment of reactive gain and the ability for generation to energise sections of the transmission system.*

I.1.2 *In addition to the requirements of I1.1, each transmission system shall be designed to permit power stations to be subsequently synchronised to the transmission system and operated within their normal operational capability limits.*

I.1.3 *The no load gain between adjacent substations shall be designed to prevent system collapse during restoration.*

If you have any questions in relation to any of this, please do not hesitate to get in touch with us at: box.SQSS@nationalgrideso.com

Yours faithfully

ESO Code Administrator