

**Workgroup Consultation Response Proforma****GSR032: Facilitate Implementation of the Electricity System Restoration Standard**

Industry parties are invited to respond to this consultation expressing their views and supplying the rationale for those views, particularly in respect of any specific questions detailed below.

Please send your responses to [box.sqss@nationalgrideso.com](mailto:box.sqss@nationalgrideso.com) by **5pm on 20 June 2023**. Please note that any responses received after the deadline or sent to a different email address may not receive due consideration.

If you have any queries on the content of this consultation, please contact Milly Lewis [milly.lewis@nationalgrideso.com](mailto:milly.lewis@nationalgrideso.com) or [box.sqss@nationalgrideso.com](mailto:box.sqss@nationalgrideso.com)

Respondent details	Please enter your details	
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<b>Which best describes your organisation?</b>	<input type="checkbox"/> Consumer body <input type="checkbox"/> Demand <input type="checkbox"/> Distribution Network Operator <input type="checkbox"/> Generator <input type="checkbox"/> Industry body	<input type="checkbox"/> Interconnector <input type="checkbox"/> Storage <input type="checkbox"/> Supplier <input type="checkbox"/> Transmission Owner <input type="checkbox"/> Virtual Lead Party <input checked="" type="checkbox"/> Other

**I wish my response to be:**

(Please mark the relevant box)

☒ Non-Confidential

☐ Confidential

*Note: A confidential response will be disclosed to the Authority in full but, unless agreed otherwise, will not be shared with the Panel or the industry and may therefore not influence the debate to the same extent as a non-confidential response.*

**For reference the Applicable SQSS Objectives are:**

- i) facilitate the planning, development and maintenance of an efficient, coordinated and economical system of electricity transmission, and the operation of that system in an efficient, economic and coordinated manner;
- ii) ensure an appropriate level of security and quality of supply and safe operation of the National Electricity Transmission System;
- iii) facilitate effective competition in the generation and supply of electricity, and (so far as consistent therewith) facilitating such competition in the distribution of electricity; and
- iv) facilitate electricity Transmission Licensees to comply with any relevant obligations under EU law.

**Please express your views in the right-hand side of the table below, including your rationale.**

**Standard Workgroup Consultation questions**

1	Do you believe that the Original Proposal better facilitates the Applicable Objectives?	<p>Mark the Objectives which you believe the solution better facilitates:</p> <table border="1"> <tr> <td data-bbox="627 275 858 331">Original</td> <td data-bbox="866 275 1457 331"> <input checked="" type="checkbox"/>i   <input checked="" type="checkbox"/>ii   <input type="checkbox"/>iii   <input checked="" type="checkbox"/>iv </td> </tr> </table> <p>Yes for SQSS objectives i, ii, iv and neutral for iii</p> <p>i) The proposed SQSS modifications are introducing robust network design requirements to support the ability to restore the network following a Total or Partial System Shutdown.</p> <p>ii)The proposed SQSS modifications ensure System Restoration is considered at the network design stage enabling a greater level of security in the event of a Total or Partial System Shutdown.</p> <p>iii)Neutral</p> <p>iv) The proposed SQSS modifications ensure System Restoration is considered at the network design stage enabling (with other Industry Codes) the requirements of the Electricity System Restoration Standard to be met which is a condition of section 2.2 of National Grid's Electricity System Operator's Transmission Licence.</p>	Original	<input checked="" type="checkbox"/> i <input checked="" type="checkbox"/> ii <input type="checkbox"/> iii <input checked="" type="checkbox"/> iv
Original	<input checked="" type="checkbox"/> i <input checked="" type="checkbox"/> ii <input type="checkbox"/> iii <input checked="" type="checkbox"/> iv			
2	Do you support the proposed implementation approach?	<table border="1"> <tr> <td data-bbox="627 1171 1457 1249"> <input checked="" type="checkbox"/>Yes  <input type="checkbox"/>No </td> </tr> </table> <p>We believe the implementation approach satisfies the requirements of the Electricity System Restoration Standard; it includes OFTOs in future restoration strategies and overall makes the Transmission System more robust and resilient to potential disturbances from a weak network and achieves a much higher level of resilience compared to the current SQSS baseline. It also recognises (together with other Industry Code changes) the growth of renewable, offshore and distributed generation sources which so far have had limited contribution to restoration.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
3	Do you have any other comments?	No		

### Specific Workgroup Consultation questions

4	Do you believe it is appropriate to include clarifications within the SQSS to define the system restoration	<table border="1"> <tr> <td data-bbox="627 1870 1457 1966"> <input checked="" type="checkbox"/>Yes  <input type="checkbox"/>No </td> </tr> </table> <p>The SQSS does not currently refer to system restoration in line with the ESRS nor does it include OFTOs in the restoration process. The SQSS is used for design and</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

	capability requirements as drafted?	operational capability of the network and thus including restoration capability makes certain future developers aware of the new requirements subject to the implementation of ESRS.
5	Do you believe that there are any further requirements that should be considered during the network design phase?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  We believe the work group has considered at the time; all known requirements needed for restoration capability in the network design phase particular to the SQSS.
6	Is it clear that Appendix I.1.2 applies only to the post restoration plan phase, including energisation of the next user on the network, restoration of auxiliary supplies or subsequent energisation of other parts of the transmission system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Once an LJRP or a DRZP (Restoration Plan) is implemented (which all parties to that Restoration Plan have to sign on to including Transmission Licensees), we believe it is clear that Appendix I1.2 covers the post Restoration Plan Phase and the wider System Restoration process including the establishment of auxiliary supplies and subsequent connection of other Users.
7	Do you believe that clause Appendix I.1.3 (reference to no load gain) is required as part of modification?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  The SQSS references System Restoration in the design phase for OFTO and TO networks and by incorporating Appendix I.1.3 the inclusion of the new requirement is attained and cannot be missed by future developers.