Workgroup Consultation Response Proforma

**GC0163: GB Grid Forming (GBGF) - Removal of Virtual Impedance restriction**

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 grid.code@nationalgrideso.com by **5pm** on **12 February 2024**. 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 Jonathan Whitaker Jonathan.whitaker@nationalgrideso.com or grid.code@nationalgrideso.com

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| --- | --- |
| **Respondent details** | **Please enter your details** |
| **Respondent name:** | Click or tap here to enter text. |
| **Company name:** | Click or tap here to enter text. |
| **Email address:** | Click or tap here to enter text. |
| **Phone number:** | Click or tap here to enter text. |
| **Which best describes your organisation?** | [ ] Consumer body[ ] Demand[ ] Distribution Network Operator[ ] Generator[ ] Industry body[ ] Interconnector | [ ] Storage[ ] Supplier[ ] System Operator[ ] Transmission Owner[ ] Virtual Lead Party[ ] Other |

**I wish my response to be:**

|  |  |  |
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| (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 Grid Code Objectives are:**

1. *To permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity*
2. *Facilitating effective competition in the generation and supply of electricity (and without limiting the foregoing, to facilitate the national electricity transmission system being made available to persons authorised to supply or generate electricity on terms which neither prevent nor restrict competition in the supply or generation of electricity);*
3. *Subject to sub-paragraphs (i) and (ii), to promote the security and efficiency of the electricity generation, transmission and distribution systems in the national electricity transmission system operator area taken as a whole;*
4. *To efficiently discharge the obligations imposed upon the licensee by this license and to comply with the Electricity Regulation and any relevant legally binding decisions of the European Commission and/or the Agency; and*
5. *To promote efficiency in the implementation and administration of the Grid Code arrangements*

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

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| **Standard Workgroup Consultation questions** |
| 1 | Do you believe that the Original Proposal better facilitates the Applicable Objectives? | Mark the Objectives which you believe the Original solution better facilitates: |
| Original | [ ] A [ ] B [ ] C [ ] D [ ] E  |
| Click or tap here to enter text. |
| 2 | Do you support the proposed implementation approach? | [ ] Yes[ ] No |
| Click or tap here to enter text. |
| 3 | Do you have any other comments? | Click or tap here to enter text. |
| 4 | Do you wish to raise a Workgroup Consultation Alternative Request for the Workgroup to consider?  | [ ] Yes[ ] No |
| Click or tap here to enter text. |

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| **Specific Workgroup Consultation questions** |
| 5 | Do you have any concerns with the proposal to remove the requirement mandating the use of a real impedance in a GB Grid Forming Converter? If so, please state why you believe this to be the case. | [ ] Yes[ ] No |
| Click or tap here to enter text. |
| 6 | Does the change impact your business? | [ ] Yes[ ] No |
| Click or tap here to enter text. |
| 7 | Do you have experience with virtual impedance vs real impedance control? | [ ] Yes[ ] No |
| Click or tap here to enter text. |
| 8 | Do you think the title is a fair reflection of the modification? | [ ] Yes[ ] No |
| Click or tap here to enter text. |