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| **Grid Code Alternative Form** |
| **GC0137: Minimum Specification Required for Provision of GB Grid Forming (GBGF) Capability (formerly Virtual Synchronous Machine/VSM Capability)**  This modification proposes to add a non-mandatory technical specification to the Grid Code, relating to what is referred to as Virtual Synchronous Machine (“VSM”) capability. The detail pertaining to its creation may be found in Section 3 “Why Change?” but the high-level overview is that the specification will enable applicable parties (primarily those utilising power electronic converter technologies e.g. wind farms, HVDC interconnectors and solar parks) to offer an additional grid stability service which will provide the opportunity to take part in a commercial market-based system. |
| **Overview:** [Insert a summary of the proposed alternative. What are the main differences between this alternative and the original solution?]. |
| **Proposer:** [Name, Organisation] |
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| **Guidance for Alternative Proposers** |
| **Who can raise an Alternative?** Any CUSC or BSC Party, or Citizens Advice can raise an Alternative Request in response to the Workgroup Consultation.  **How do Alternative Requests become formal Workgroup Alternative Modifications?** The Workgroup will carry out a Vote on Alternatives Requests. If the majority of the Workgroup members or the Workgroup Chair believe the Alternative Request will better facilitate the Applicable Objectives than the current version of the Code, the Workgroup will develop it as a Workgroup Alternative Modification.  **Who develops the legal text for Alternatives?** ESO will develop the Legal text for all Workgroup Alternative Modifications and will liaise with the Alternative Proposer to do so. |

Contents

* What is the proposed alternative solution?
  + Difference between this and the Original Proposal
* What is the impact of this change?
* When will the change take place?
* Acronyms, key terms and reference material

What is the proposed alternative solution?

[Insert your solution]

What is the difference between this and the Original Proposal?

[Insert details]

What is the impact of this change?

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| **Proposer’s Assessment against Grid Code Objectives** | |
| **Relevant Objective** | **Identified impact** |
| (a) To permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity | **Positive/Negative/None:** [Please provide rationale] |
| (b) 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); | **Positive/Negative/None:** [Please provide rationale] |
| (c) 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; | **Positive/Negative/None:** [Please provide rationale] |
| (d) 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 | **Positive/Negative/None:** [Please provide rationale] |
| (e) To promote efficiency in the implementation and administration of the Grid Code arrangements | **Positive/Negative/None:** [Please provide rationale] |

When will this change take place?

**Implementation date:**

[Insert the date which you are proposing the change is made to the code]

**Implementation approach:**

[Insert approach]

Acronyms, key terms and reference material

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| **Acronym / key term** | **Meaning** |
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**Reference material:**