**Grid Code Alternative and Workgroup Vote**

**GC0183: Generator and Interconnector Availability During a Severe Space Weather Event**

**Please note:** To participate in any votes, Workgroup members need to have attended at least 50% of meetings.

**Stage 1 - Alternative Vote**

If Workgroup Alternative Requests have been made, vote on whether they should become Workgroup Alternative Grid Code Modifications (WAGCMs).

**Stage 2 - Workgroup Vote**

2a) Assess the Original and WAGCMs (if there are any) against the Grid Code objectives compared to the baseline (the current Grid Code).

2b) Vote on which of the options is best.

**Terms used in this document**

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| **Term** | **Meaning** |
| Baseline | The current Grid Code (if voting for the Baseline, you believe no modification should be made) |
| Original | The solution which was firstly proposed by the Proposer of the modification |
| WAGCM | Workgroup Alternative Grid Code Modification (an Alternative Solution which has been developed by the Workgroup) |

**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*

*\* See Electricity System Operator Licence*

Workgroup Vote

**Stage 1 – Alternative Vote**

Vote on Workgroup Alternative Requests to become Workgroup Alternative Grid Code Modifications.

The Alternative vote is carried out to identify the level of Workgroup support there is for any potential alternative options that have been brought forward by either any member of the Workgroup OR an Industry Participant as part of the Workgroup Consultation.

Should the majority of the Workgroup OR the Chair believe that the potential alternative solution would better facilitate the Grid Code objectives than the Original proposal then the potential alternative will be fully developed by the Workgroup with legal text to form a Workgroup Alternative Grid Code modification (WAGCM) and submitted to the Panel and Authority alongside the Original solution for the Panel Recommendation vote and the Authority decision.

“Y” = Yes

“N” = No

“-“ = Neutral *(Stage 2 only)*

“Abstain”

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| **Workgroup Member** | **Alternative 1**  **Eleclink - ‘Deviation from best estimate position’** | **Alternative 2 (Company, characteristic)** | **Alternative 3 (Company, characteristic)** |
| **Allan Holton** / Graeme Vincent |  |  |  |
| **Charles Dolan** |  |  |  |
| **Garth Graham** / Andrew Urquhart |  |  |  |
| **Helen Newman** |  |  |  |
| **Kevin Cowan** / Ali Gill / John Reily |  |  |  |
| **Patrick Murphy** / Kevin Anaafi-Brown |  |  |  |
| **Ross McFarlane** |  |  |  |
| **Tim Ellingham** / Andrew Allan |  |  |  |
| **WAGCM?** |  |  |  |

**Stage 2a – Assessment against objectives**

To assess the Original and WAGCMs against the Grid Code objectives compared to the baseline (the current Grid Code).

You will also be asked to provide a statement to be added to the Workgroup Report alongside your vote to assist the reader in understanding the rationale for your vote.

AGCO = Applicable Grid Code Objective

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Allan Holton / Graeme Vincent – SP Energy Networks | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Charles Dolan – EDF Energy Hinkley Point C | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Garth Graham / Andrew Urquhart – SSE Generation | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Helen Newman – NESO | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Kevin Cowan / Ali Gill / John Reilly – EDF Existing Nuclear Generation | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Patrick Murphy / Kevin Anaafi-Brown – Eleclink Ltd | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Ross McFarlane – Northern Powergrid | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

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| **Workgroup Member** | **Better facilitates AGCO (i)** | **Better facilitates AGCO (ii)** | **Better facilitates AGCO (iii)** | **Better facilitates AGCO (iv)** | **Better facilitates AGCO (v)** | **Overall (Y/N)** |
|  | Tim Ellingham / Andrew Allan – RWE | | | | | |
| Original |  |  |  |  |  |  |
| WAGCM1 |  |  |  |  |  |  |
| Voting Statement:  [Please include as much rationale as possible to support your assessment against the Applicable Objectives] | | | | | | |

Of the X votes, how many voters said this option was better than the Baseline.

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| **Option** | **Number of voters that voted this option as better than the Baseline** |
| Original |  |
| WAGCM1 |  |

**Stage 2b – Workgroup Vote**

Which option is the best? (Baseline, Proposer solution (Original Proposal), WAGCM1 or WAGCM2)

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| **Workgroup Member** | **Company** | **Industry Sector** | **BEST Option?** | **Which objective(s) does the change better facilitate? (if baseline not applicable)** |
| **Allan Holton** / Graeme Vincent | SP Energy Networks | Onshore transmission licensee |  |  |
| **Charles Dolan** | EDF Energy - Hinkley Point C | Generator |  |  |
| **Garth Graham** / Andrew Urquhart | SSE Generation | Generator |  |  |
| **Helen Newman** | NESO | System Operator |  |  |
| **Kevin Cowan** / Ali Gill / John Reily | EDF (Existing Nuclear Generation) | Generator |  |  |
| **Patrick Murphy** / Kevin Anaafi-Brown | Eleclink Limited | Interconnector Owner |  |  |
| **Ross McFarlane** | Northern Powergrid | Network Operator |  |  |
| **Tim Ellingham** / Andrew Allan | RWE | Generator |  |  |