

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

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:

- i. *To permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity*
- ii. *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);*
- iii. *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;*
- iv. *To efficiently discharge the obligations imposed upon the licensee by this licence* and to comply with the Electricity Regulation and any relevant legally binding decisions of the European Commission and/or the Agency; and*
- v. *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



"Y" = Yes

"N" = No

"-" = Neutral (*Stage 2 only*)

“Abstain”

No Alternatives were raised in this modification.

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

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	Y	Y	Y	-	-	Y
<p>Voting Statement:</p> <p>Compared to the Baseline, it is considered that the Original, which has been adapted during consultation / WG review, better facilitates the Applicable Grid Code Objectives (i), (ii) and (iii) and is neutral in terms of (iv) and (v); for the</p>						

reasoning the proposer set out (See Original Proposer's assessment on pages 16- 17 of the WG consultation document).

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 – SSE Generation					
Original	Y	Y	Y	-	-	Y
Voting Statement: I concur with the reasoning provided by the Proposer (as set out in the Proposal Form) as to why GC0183 Better Facilitates the Applicable Objectives in respect of (i), (ii) and (iii) whilst being neutral in terms of (iv) and (v).						

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)
	Graeme Vincent – SP Energy Networks					
Original	Y	-	Y	-	-	Y
Voting Statement: This modification will ensure that NESO are provided with visibility of generators, interconnector owners and restoration contractors intended positions to assist them in the continued operation and management of the transmission network during a severe space weather event.						

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					

Voting Statement:	
<p>The modification will better facilitate the Applicable Objectives in respect of (i), (ii) and (iii) by ensuring that NESO has the critical operational information to manage the system and ensure system security in the event of sever space weather, while keeping market participants informed. The modification is neutral in terms of (iv) and (v).</p>	

Voting Statement:
This is a useful modification that will allow for better security of supply preparedness in instances of Space Weather Events.

Voting Statement:
<p>Compared to the Baseline, it is considered that the Original, which has been adapted during consultation / WG review, better facilitates the Applicable Grid Code Objectives (i), (ii) and (iii) and is neutral in terms of (iv) and (v); for the reasoning the proposer set out (See Original Proposer's assessment on pages 16- 17 of the WG consultation document).</p>

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	Y	Y	Y	-	-	Y

Voting Statement:

I can confirm my agreement with the amendments to the baseline (current GC0183 grid code) and support the Original draft which is proposed by the working group.

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 – RWE					
Original	Y	-	Y	-	N	Y

Voting Statement:

This mod represents a conscientious step for the security of supply during space weather events, however there are potentially too many stages to the process which may add an unnecessary admin burden on Users and the System Operator.

Of the 8 votes, 8 said the Original was better than the Baseline.

Option	Number of voters that voted this option as better than the Baseline
Original	8

Stage 2b – Workgroup Vote

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

Workgroup Member	Company	Industry Sector	BEST Option?	Which objective(s) does the change better facilitate? (if baseline not applicable)
Charles Dolan	EDF Energy - Hinkley Point C	Generator	Original	i, ii, iii
Garth Graham	SSE Generation	Generator	Original	i, ii, iii
Graeme Vincent	SP Energy Networks	Onshore Transmission Licensee	Original	i, iii
Helen Newman	NESO	System Operator	Original	i, ii, iii
Kevin Anaafi-Brown	Eleclink Limited	Interconnector Owner	Original	i, ii, v
Kevin Cowan	EDF (Existing Nuclear Generation)	Generator	Original	i, ii, iii
Ross McFarlane	Northern Powergrid	Network Operator	Original	i, ii, iii
Tim Ellingham	RWE	Generator	Original	i, iii