

Grid Code Alternative and Workgroup Vote

GC0141: Compliance Processes and Modelling amendments following 9th August Power Disruption

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

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)

The Applicable Grid Code Objectives:

- a) To permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity
- 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);
- 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;
- 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
- e) To promote efficiency in the implementation and administration of the Grid Code arrangements

Workgroup Vote

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 (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Afshin Pashaei, NGET					
Original	Y	Y	Y	Y	Y	Y
Voting Statement: It improves security and reliability of network and compliance process.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Alastair Frew, Drax Generation Enterprise Ltd					
Original	Neutral	Neutral	Y	Neutral	Neutral	Y
Voting Statement: Given the increasing complexity of the system there needs to be more consideration of other events which could occur.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Ben Marshall, HVDC Centre					
Original	Y	Y	Y	Y	Y	Y
Voting Statement:						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Christopher Smith, National Grid Ventures/National Grid Interconnector Holdings Ltd					

Original	N	Neutral	N	Neutral	N	N
Voting Statement: The original does not enhance the baseline. THE COMPANY should ensure that the Bilateral Connection Agreements cover all appropriate operating points.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
Colin Foote, SP Energy Networks						
Original	Y	Y	Y	Y	Y	Y
Voting Statement: The proposal will deliver benefits on all objectives.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
Isaac Gutierrez, Scottish Power Renewables (UK) Limited						
Original	Y	Y	Y	Y	Y	Y
Voting Statement: SPR supports that additional FRT studies should be carried out for complex connections at start of compliance process.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
Mark Horley, National Grid ESO						
Original	Y	Y	Y	Y	Y	Y
Voting Statement: The events of 9 th August indicated that there were risks of failure in fault ride through when power plant was partially complete or operating with equipment out of service. It is seen as an important improvement to process to ask complex projects to consider such arrangements in simulations ahead of connection.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
Marko Grizelj, Siemens Energy Ltd						
Original	Y	N	Y	Y	N	Y
Voting Statement: The original better facilitates the overall AGCOs than the baseline.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Martin Aten, Uniper Technologies Limited					
Original	Y	Y	Y	Y	Y	Y
Voting Statement:						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Michael Smailes, Offshore Renewable Energy Catapult					
Original	Y	Y	Y	Neutral	Y	Y
Voting Statement:						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Nicola Barberis Negra, Orsted Hornsea Project Three Uk Ltd					
Original	Y	Y	Y	Y	Y	Y
Voting Statement:						
I agree with this proposal and it is important that this agreement for the studies are agreed as soon as practicable						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Pukar Mahat, Siemens Gamesa Renewables					
Original	Y	Neutral	Y	Neutral	Y	Y
Voting Statement:						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
	Sigrid Bolik, Siemens Plc					

Original	N	N	Y	Neutral	Neutral	N
Voting Statement: It will be challenging to provide compliance evidence for suggested changes.						

Workgroup Member	Better facilitates AGCO (a)	Better facilitates AGCO (b)	Better facilitates AGCO (c)	Better facilitates AGCO (d)	Better facilitates AGCO (e)	Overall (Y/N)
Tim Ellingham, RWE Supply and Trading						
Original	Y	Y	Y	Y	Y	Y
Voting Statement:						

Stage 2b – Workgroup Vote

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

Workgroup Member	Company	BEST Option? (Original, Baseline, WAGCMs)	Which objective(s) does the change better facilitate? (if baseline not applicable)
Afshin Pashaei	NGET	Original	All
Alastair Frew	Drax Generation Enterprise Ltd	Original	c
Ben Marshall	HVDC Centre	Original	All
Christopher Smith	NG Ventures/NG Interconnector Holdings Ltd	Baseline	N/A
Colin Foote	SP Energy Networks	Original	All
Isaac Gutierrez	Scottish Power Renewables (UK) Limited	Original	All
Mark Horley	NGESO	Original	All
Marko Grizelj	Siemens Energy Ltd	Original	a, c, d
Martin Aten	Uniper Technologies Limited	Original	All
Michael Smailes	Offshore Renewable Energy Catapult	Original	a, b, c, e
Nicola Barberis Negra	Orsted Hornsea Project Three Uk Ltd	Original	All
Pukar Mahat	Siemens Gamesa Renewables	Original	a, c, e
Sigrid Bolik	Siemens Plc	Baseline	c
Tim Ellingham	RWE Supply and Trading	Original	All

Of the 14 votes, how many voters said this option was best.

Option	Number of voters that voted this option as better than the Baseline
Original	12
Baseline	2