

Workgroup Consultation Response Proforma**GC0138: Compliance process technical improvements (EU and GB User)**

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 **5:00pm on 30 March 2021**. Please note that any responses received after the deadline or sent to a different email address may not receive due consideration by the Workgroup.

If you have any queries on the content of this consultation, please contact Joseph Henry Joseph.henry@nationalgrideso.com or grid.code@nationalgrideso.com

Respondent details	Please enter your details
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For reference the Applicable Grid Code Objectives are:

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

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

Standard Workgroup Consultation questions		
1	Do you believe that the GC0138 Original Proposal better facilitates the Applicable Objectives?	SGRE agrees in general with the technical improvements proposed (especially for CP and ECP).
2	Do you support the proposed implementation approach?	Yes
3	Do you have any other comments?	See below
4	Do you wish to raise a Workgroup Consultation Alternative Request for the Workgroup to consider?	<p>SGRE has one comment to section ECP.A.6.7.2:</p> <p>ECP.A.6.7.2 The test circuit will utilise the full Power Park Unit (with no exclusions (e.g. in the case of a wind turbine it would include the full wind turbine nacelle structure, all inverters and converters along with step up transformer to medium voltage, all control systems including pitch control emulation) and shall be conducted with sufficient power input resource available to produce at least 95% of the Maximum Capacity of the Power Park Unit. The test will comprise of a number of controlled short circuits applied to a test network to which the Power Park Unit is connected, typically comprising of the Power Park Unit transformer and a test impedance or other decoupling equipment to shield the connected network from voltage dips at the Power Park Unit terminals.</p> <p>We agree with the small change made to allow the option for alternative testing for fault ride through to facilitate development and the compliance process for larger wind turbines and would add a sentence related to sub-system and component testing. Related standards are currently developed (e.g. IEC 61400-21-4).</p> <p>The test circuit will utilise the full Power Park Unit (e.g. in the case of a wind turbine it would include the full wind turbine nacelle structure, all inverters and converters along with step up transformer to medium voltage, all control systems including pitch control emulation) and shall be conducted with sufficient power input resource available to produce at least 95% of the Maximum Capacity of the Power Park Unit. In addition, tests on sub-systems or components of the Power Park Unit in respective test facilities may substitute or support tests on the full Power Park Unit.</p>