

STC Modification Proposal Form

CM088: Fault Ride Through Definition

Overview: This proposal seeks to make changes to Section K of the STC in order to achieve harmonisation with the Grid Code following the [approval](#) of GC0141 on the 12 December 2022, and makes amendments to Connection Conditions (CC) and European Connection Conditions (ECC) sections of Grid Code in respect of defining the requirements for Fault Ride Through

Modification process & timetable

1

Proposal Form
28 December 2022

2

Code Administrator Consultation
01 February 2023 – 22 February 2023

3

Draft Modification Report
21 March 2023

4

Final Modification Report
10 April 2023

5

Implementation
10 working days following Authority decision

Status summary: The Proposer has raised a modification and is seeking a decision from the Panel on the governance route to be taken.

This modification is expected to have a: Medium impact

Offshore Transmission Owners

Proposer's recommendation of governance route

Standard Governance modification to proceed to Code Administrator Consultation

Who can I talk to about the change?

Proposer:

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What is the issue?

The Grid Code modification (GC0141) was [approved](#) by the Authority on 12 December 2022. GC0141 modification was raised by the ESO in March 2020 to address the concerns raised in Action 3 of the [Ofgem report](#) and Action 2 of the [BEIS report](#) into the 9th August 2019 Power Disruption.

One of the elements of the modification was a proposed update to the wording in the Connection Conditions (CC) and European Connection Conditions (ECC) sections of the Grid Code in respect of Fault Ride Through to ensure the requirements apply during and after a fault. As part of the final decision for GC0141, the proposed Fault Ride Through definition wording was approved.

Why change?

The change is to ensure consistency between the Grid Code and the STC when the Offshore Transmission System is originally bound by the Grid Code, but then migrates to an Offshore Transmission Owner (OFTO). This is bound by STC Section K, which documents the requirements for Fault Ride Through.

What is the proposer's solution?

The solution is to amend Section K, Annex 1 of the STC to reflect the Fault Ride Through definition changes made to Section 6.3.15 of the Connections Conditions of the Grid Code for pre European Offshore Transmission Licensees.

NOTE: Annex 2 of Section K of the STC which covers post European Offshore Transmission Licensees references the Grid Code European Connections Conditions in respect of Fault Ride Through definitions. This means that no changes are required to Annex 2.

Legal text

See Annex 1

What is the impact of this change?

Proposer's assessment against STC Objectives

Relevant Objective	Identified impact
(a) efficient discharge of the obligations imposed upon transmission licensees by transmission licences and the Act	<p>Positive</p> <p>Provides consistency between the Grid Code and STC for Offshore Transmission System pre and post migration to an OFTO</p>

(b) development, maintenance and operation of an efficient, economical and coordinated system of electricity transmission	Positive Provides clarity and understanding in relation to the requirements for Fault Ride Through
(c) facilitating effective competition in the generation and supply of electricity, and (so far as consistent therewith) facilitating such competition in the distribution of electricity	Neutral
(d) protection of the security and quality of supply and safe operation of the national electricity transmission system insofar as it relates to interactions between transmission licensees	Positive Improves security and quality of supply by defining the obligations for Fault Ride Through
(e) promotion of good industry practice and efficiency in the implementation and administration of the arrangements described in the STC	Positive Provides clarity and understanding in relation to the requirements for Fault Ride Through
(f) facilitation of access to the national electricity transmission system for generation not yet connected to the national electricity transmission system or distribution system;	Neutral [Please provide your rationale]
(g) compliance with the Electricity Regulation and any relevant legally binding decision of the European Commission and/or the Agency.	Neutral

Proposer's assessment of the impact of the modification on the stakeholder / consumer benefit categories

Stakeholder / consumer benefit categories	Identified impact
Improved safety and reliability of the system	Positive Contributes to the reliability of the system by defining the requirements for Fault Ride Through
Lower bills than would otherwise be the case	Neutral
Benefits for society as a whole	Positive Contributes to a more robust and reliable

	system for the benefit of consumers
Reduced environmental damage	Neutral
Improved quality of service	Positive Improves quality of supply by defining the obligations for Fault Ride Through

When will this change take place?

Implementation date

This modification will be implemented 10 working days after the Authority's decision

Date decision required by

As soon as possible

Proposer's justification for governance route

Governance route: Standard Governance modification to proceed to Code Administrator Consultation

The required STC changes are a follow-on from the changes implemented as part of the Grid Code modification (GC0141) and should be implemented in order to achieve consistency between the Grid Code and STC.

Interactions

- | | | | |
|---|--|--------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Grid Code | <input type="checkbox"/> BSC | <input type="checkbox"/> CUSC | <input type="checkbox"/> SQSS |
| <input type="checkbox"/> European Network Codes | <input type="checkbox"/> Other modifications | <input type="checkbox"/> Other | |

The Grid Code sections CC and ECC have been amended by proposal GC0141. This proposal aligns Section K with the revised Grid Code

Acronyms, key terms and reference material

Acronym / key term	Meaning
BEIS	Department for Business, Energy, and Industrial Strategy
BSC	Balancing and Settlement Code
CC	Connection Conditions
CUSC	Connection and Use of System Code
ECC	European Connection Conditions
OFGEM	Office of Gas and Electricity Markets
OFTO	Offshore Transmission Owner
STC	System Operator Transmission Owner Code
SQSS	Security and Quality of Supply Standards
ESO	Electricity System Operator
TO	Transmission Owner
TOCO	Transmission Owner Connection Offer
NGESO	National Grid Electricity System Operator

Reference material

- [GC0141 - Compliance Processes and Modelling amendments following 9th August Power Disruption](#)
- Annex 1 – Legal Text