

STCP Modification Proposal Form

PM0129: Compliance Processes and Modelling amendments following 9th August 2019 Power Disruption

Overview: This proposal seeks to make changes to STC Procedure (STCP19-5) in order to achieve harmonisation with the Grid Code following modification [GC0141](#) which was [approved](#) by the Authority on the 12 December 2022 to address concerns raised in the Ofgem and BEIS Report following the 9th August 2019 Power Disruption.

Modification process & timetable



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 System Owners

Governance route The Panel will make the decision on whether the modification should be implemented.

Who can I talk to about the change?	Proposer:	Code Administrator Contact:
	David Halford david.halford@nationalgrideso.com 07812 774065	Ruth Roberts Ruth.Roberts@nationalgrideso.com 07972 172169

Contents

Contents	2
What is the issue?	3
Why change?	3
What is the proposer’s solution?	3
Legal text.....	3
What is the impact of this change?	3
Proposer’s assessment against STC Objectives	3
Proposer’s assessment against the STCP change requirements	4
When will this change take place?	5
Implementation date	5
Implementation approach	5
Interactions	6
Panel Determination	6
Acronyms, key terms and reference material	6
Reference material	7

What is the issue?

The Grid Code modification ([GC0141](#)) was [approved](#) by the Authority on the 12 December 2022. The modification was raised by NGENSO 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.

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 as an OTSUA, but then migrates to an OFTO.

What is the proposer's solution?

The solution is to amend STC Proposal (STCP19-5) to reflect the detailed technical changes in Grid Code as part of the GC0141 modification.

Solution	Impacted STCP(s)
Root Mean Square (RMS) & Electromagnetic Transient (EMT) Model Submission	STCP19-5
Sharing of Shaft Data for Sub-Synchronous Torsional Interaction (SSTI)/Sub-Synchronous Controller Interaction (SSCI) Studies	

Legal text

Attached as 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	Positive Provides clarity and consistency with OTSUA obligations
(b) development, maintenance and operation of an efficient, economical and coordinated system of electricity transmission	Positive Provides improvements to existing process improving flexibility and avoiding rework
(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

	OFTOs already have obligations to demonstrate compliance.
(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 the demonstration of compliance with code obligations
(e) promotion of good industry practice and efficiency in the implementation and administration of the arrangements described in the STC	Positive Provides improvements to existing process improving flexibility and avoiding rework
(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 OFTOs already have obligations to demonstrate compliance.
(g) compliance with the Electricity Regulation and any relevant legally binding decision of the European Commission and/or the Agency.	Neutral OFTOs already have obligations to demonstrate compliance.

Proposer's assessment against the STCP change requirements ¹	Proposer's assessment
(a) the amendment or addition does not impair, frustrate or invalidate the provisions of the Code	Requirement met
(b) the amendment or addition does not impose new obligations or liabilities or restrictions of a material nature on Relevant Parties which are not subsidiary to the rights and obligations of the Relevant Parties under the Code	Requirement met
(c) the amendment or addition is not inconsistent or in conflict with the Code, Transmission Licence Conditions or other relevant statutory requirements	Requirement met
(d) the Relevant Party Representatives deem that the amendment or addition is appropriate to support compliance with the Code	Requirement met

¹ STCP changes may only be made if they meet the requirements in Section B, 7.3.2

When will this change take place?

Implementation date

As soon as possible

Implementation approach

The required STCP 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

- Grid Code BSC CUSC SQSS
 European Other Other
 Network Codes modifications

The Planning Code (PC) section of the Grid Code has been amended as part of the [GC0141](#) proposal. This proposal aligns STCP19-5 with the revised Grid Code.

Panel Determination

Party	Determination
National Grid (ESO)	To be updated following Panel determination
National Grid (TO)	To be updated following Panel determination
Offshore Transmission Owners (OFTOs)	To be updated following Panel determination
Scottish Hydro Electric Transmission plc (SHET)	To be updated following Panel determination
SP Transmission Limited (SPT)	To be updated following Panel determination

Acronyms, key terms and reference material

Acronym / key term	Meaning
BEIS	Department for Business, Energy, and Industrial Strategy
BSC	Balancing and Settlement Code
CUSC	Connection and Use of System Code
EMT	Electromagnetic Transient
OFGEM	Office of Gas and Electricity Markets
OFTO	Offshore Transmission Owner
OTSUA	Offshore Transmission System User Assets
PC	Planning Code
RMS	Root Mean Square
SQSS	Security and Quality of Supply Standards
SSCI	Sub-Synchronous Controller Interaction
SSTI	Sub-Synchronous Torsional Interaction
STC	System Operator Transmission Owner Code
STCP	System Operator Transmission Owner Code Procedure
TO	Transmission Owner

Reference material

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