

Compliance Repeat Plan - Guidance Notes

1st March 2023



ESO

GC141- Compliance Processes and Modelling amendments – Guidance Notes

Foreword

These Guidance Notes have been prepared by the National Grid Electricity System Operator (NGESO) to describe to Generators and other Users on the system how the Grid Code Compliance Repeat Plan is intended to work.

Throughout this document National Grid refers to National Grid ESO (NGESO) unless explicitly stated otherwise. These Guidance Notes are prepared, solely, for the assistance of Generators who have already been issued a Final Operational Notification (FON) through the compliance process. In the event of dispute, the Grid Code and Bilateral Agreement documents will take precedence over these notes.

These Guidance Notes are based on the Grid Code, Issue 6, Revision 16, effective from the 05 January 2023. They reflect the changes brought about by Grid Code workgroup modification GC0141 as approved by the regulator on 12th December 2022.

The modification was introduced on the back of the power disruption that occurred on the 9th of August 2019, with the intention of making the compliance process more robust.

The Electricity Customer Connections Manager (see contact details) will be happy to provide clarification and assistance required in relation to these notes and on Grid Code compliance issues. NGESO welcomes comments including ideas to improve the compliance process while maintaining the level of confidence.

For further information please refer to our FAQ's which can be found on our website;

Feedback should be directed to the NGESO Electricity Connection Compliance team at box.ecc.compliance@nationalgrideso.com

Disclaimer: This document has been prepared for guidance only and does not contain all the information needed to comply with the specific requirements of a Bilateral Agreement with National GridESO. Please note that whilst these guidance notes have been prepared with due care, National GridESO does not make any representation, warranty or undertaking, express or implied, in or in relation to the completeness and or accuracy of information contained in these guidance notes, and accordingly the contents should not be relied on as such.

Introduction

The events of 9th August 2019 unfolded when a transmission circuit faulted, and fault clearance caused unexpected and significant losses of Users' Plant and Apparatus. The consequence of this high level of generation loss led to the first stage of the low frequency demand disconnection scheme operating, which then led to approximately one million customers losing their electricity supply. Both Ofgem and the Government's Department for Business, Energy & Industrial Strategy (BEIS) investigated, reviewed and published reports with actions on the incident. This modification aims to address the concerns raised in Action 3 of the Ofgem Report³ and Action 2 of the BEIS report. Both Actions are identical and required "the ESO (Electricity System Operator), in consultation with large generators and transmission owners, to review and improve the compliance testing and modelling processes for new and modified generation connections, particularly for complex systems. One of the modifications introduced to address the actions are for generators to confirm their compliance every 5 years called as a compliance repeat plan.

Grid Code Compliance

Compliance Repeat Plan (CP 8)

The ESO considers that whilst Users consider each minor modification to their Plant and Apparatus in isolation, it may not be apparent that the overall performance of the Plant and/or Apparatus in question has changed over its lifetime because of the accumulation of these small changes. Therefore, in relation to grid code compliance part the GC141 modification all users will be required to submit a compliance statement, self-certification of compliance and updated planning and forecast data every 5 years.

The Process will be triggered by NGENSO via a letter 6 months prior to the 5-year anniversary of having achieved a FON. The letter will outline the dates in which NGENSO expect feedback in line with CP 8 of the Compliance Process.

In the instance a user has been on a LON and received a new FON then the date will be calculated from the latest FON that has been issued.

Once contact has been made with the customer the compliance team will schedule a meeting with the user to clarify the process and discuss any potential issues.

The data will be submitted in line with the current compliance process, through a secure

SharePoint link following the UDFS (User data file structure). If access issues arise, then an alternative data exchange method should be agreed with the user and NGESO.

The data will be sent for review and feedback will be provided within 8 weeks.

Once data is received and approved, NGESO will send the user confirmation via a letter to advise compliance is passed and no further action is required. The letter shall include the date of the next review.

A diagram showing the process flow can be found in appendix 1 of this document.

Data Required (CP.8)

- Relevant Planning Data: this will be in line with what was submitted in preparation to get the FON originally. The data should be accompanied with a cover sheet highlighting any changes or key messages that are relevant to the connection. Refer to Appendix 2 for a table on the planning data requirement.
- A completed Compliance statement: This will be reviewed by an engineer and if require any follow up meetings will be arranged to discuss further.
- A user Self certification certificate- A signed proforma confirming Grid Code compliance in full, to be completed and sent back to NGESO.

Older Sites

NGESO recognise that some older sites may not have all the data available to send for review. If this is the case NGESO will deal with such sites on a case-by-case basis. The aim will be to work with the user to see how we can best demonstrate compliance for the site in question using an appropriate compliance statement.

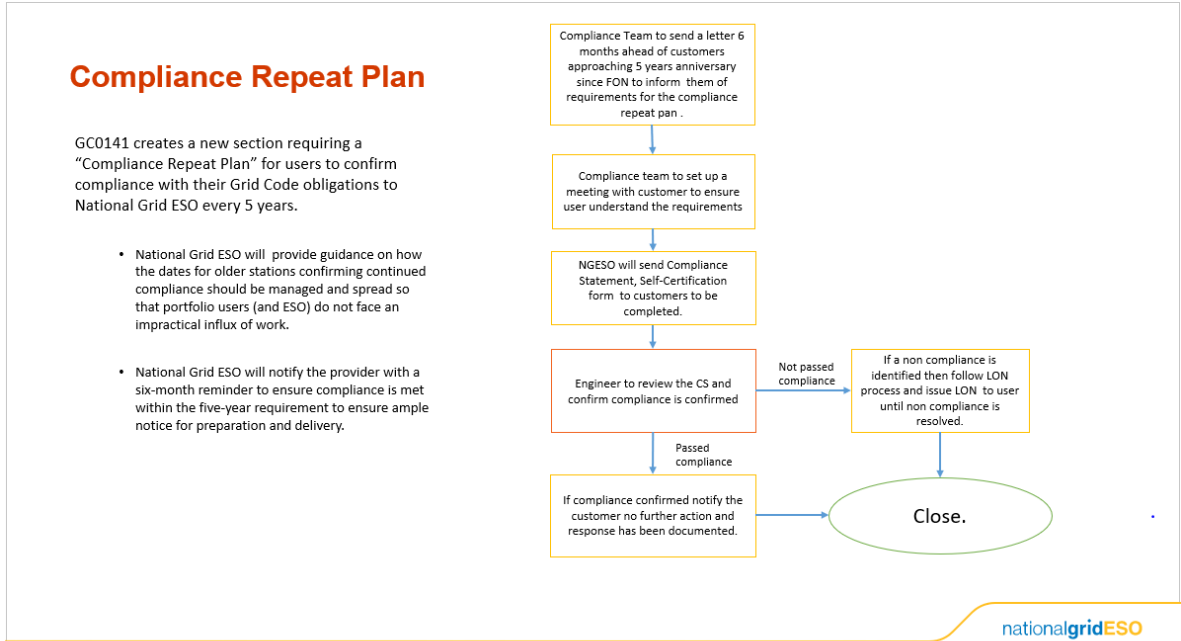
No Data Received

NGESO will notify the user no later than 4 years and 6 months after the final Operational Notification that confirmation of continued compliance as per the requirements of the Grid Code and their Bilateral Connection Agreement.

If upon request no data is received by the 5th Calendar year of the user having received a FON, NGESO will consider the user to be non-compliant and therefore issue a Limited Operational Notification (LON) as per CP.9 of the compliance process.

Appendix 1

Process Flow:



Appendix 2

Planning Data Requirement:

DRC.6.2 The **Schedules** applicable to each class of **User** are as follows:

<u>User</u>	<u>Schedule</u>
Generators with Large Power Stations	1, 2, 3, 4, 9, 14, 15, 16, 19
Generators with Medium Power Stations (see notes 2, 3, 4)	1, 2 (part), 9, 14, 15, 19
Generators with Small Power Stations directly connected to the National Electricity Transmission System	1, 6, 14, 15, 19
Generators undertaking OTSDUW (see note 5)	18, 19
All Users connected directly to the National Electricity Transmission System	5, 6, 9
All Users connected directly to the National Electricity Transmission System other than Generators	10,11,13,17
All Users connected directly to the National Electricity Transmission System with Demand	7, 9
A Pumped Storage Generator , a Generator in respect of one or more Electricity Storage Modules and an Externally Interconnected System Operator and Interconnector Users	12 (as marked)
All Suppliers	12
All Network Operators	12
All BM Participants	8
All DC Converter Station owners	1, 4, 9, 14, 15, 19

