

FAULT RIDE THROUGH NON-COMPLIANCE MANAGEMENT PROCESS

GC0155 WORK GROUP PRESENTATION

GIDEON MITI
ENGINEERING COMPLIANCE
4TH MAY 2023

MAIN DRIVER

Ofgem/BEIS concerns for security of supply considering the 9th August 2019 incident culminating into GC0151

FRT PROCESS FROM GC0151

ESO identifies Plant not meeting FRT
OC5.4.2.1



ESO notifies User
OC5.4.2.1



User provides Explanation
OC5.4.2.2



ESO agree restrictions with User
OC5.4.2.3 & OC5.4.2.4



ESO amend ION or issue LON
OC5.4.2.6

OC5.4.2.1 – ESO NOTIFIES USER

In the case that a BMU unit fails to comply with CC.6.3.15 or ECC 6.3.15 ESO shall notify the relevant User giving details of the failure. This official notification comes in the form of a Significant Incident Report (SIR). The request is issued to the generator or network licensee (OFTO/TO), and copied to Engineering Compliance Team and Technical Operation Policy Team

OC5.4.2.2 – ACCEPTABLE MITIGATION FACTORS

The User may have acceptable reasons for the trip or loss of output such as:

- the voltage waveform seen at Users connection point is outside CC.6.3.15 or ECC.6.3.15 requirement
- the User's Connection Point has been de-energised through an inter-trip instruction from the NETS

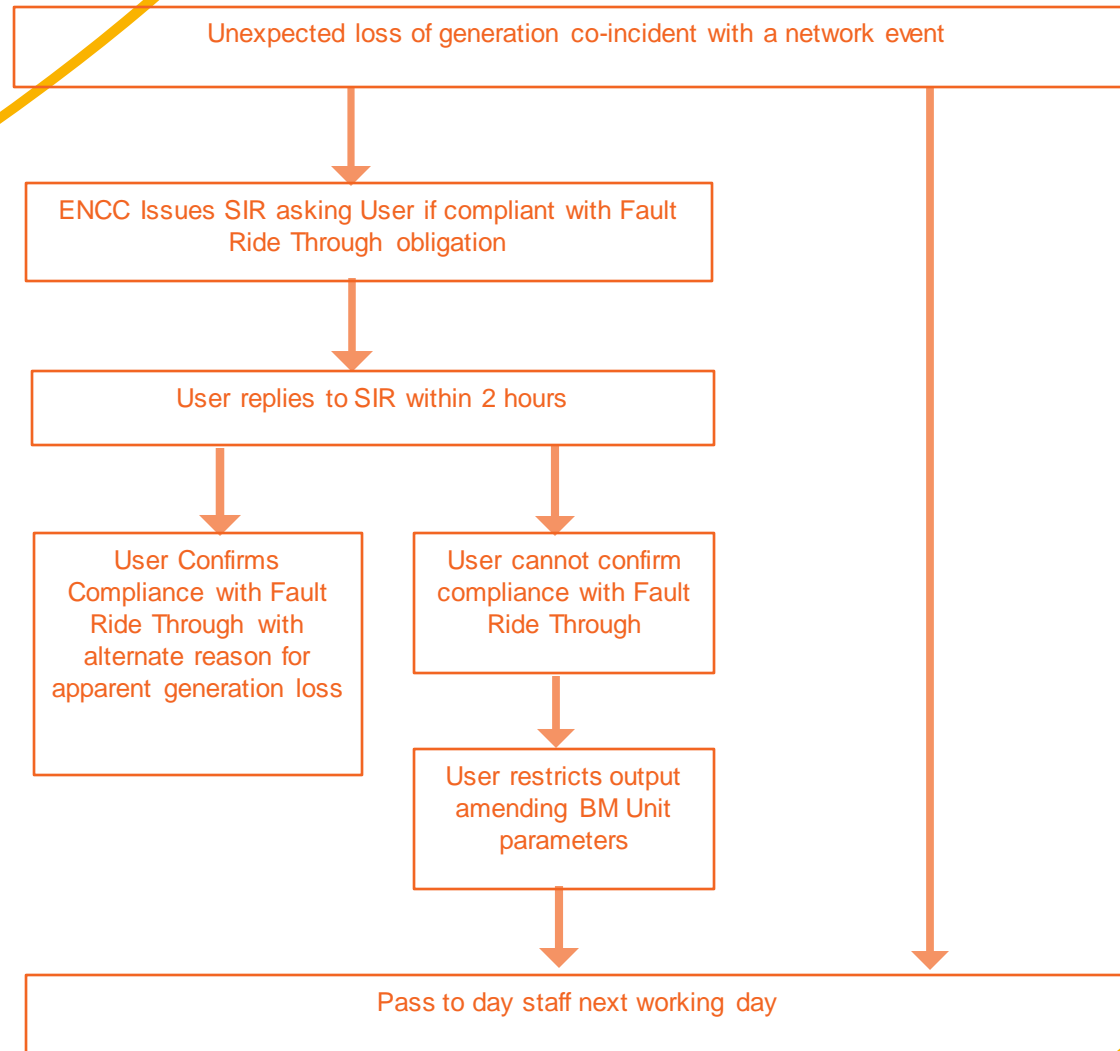
OC5.4.2.2 – ACCEPTABLE MITIGATION FACTORS

- plant operating less at than 5% output
- 50% of wind turbine shutdown due to high wind
- number of successive FRT events exceed plant capability

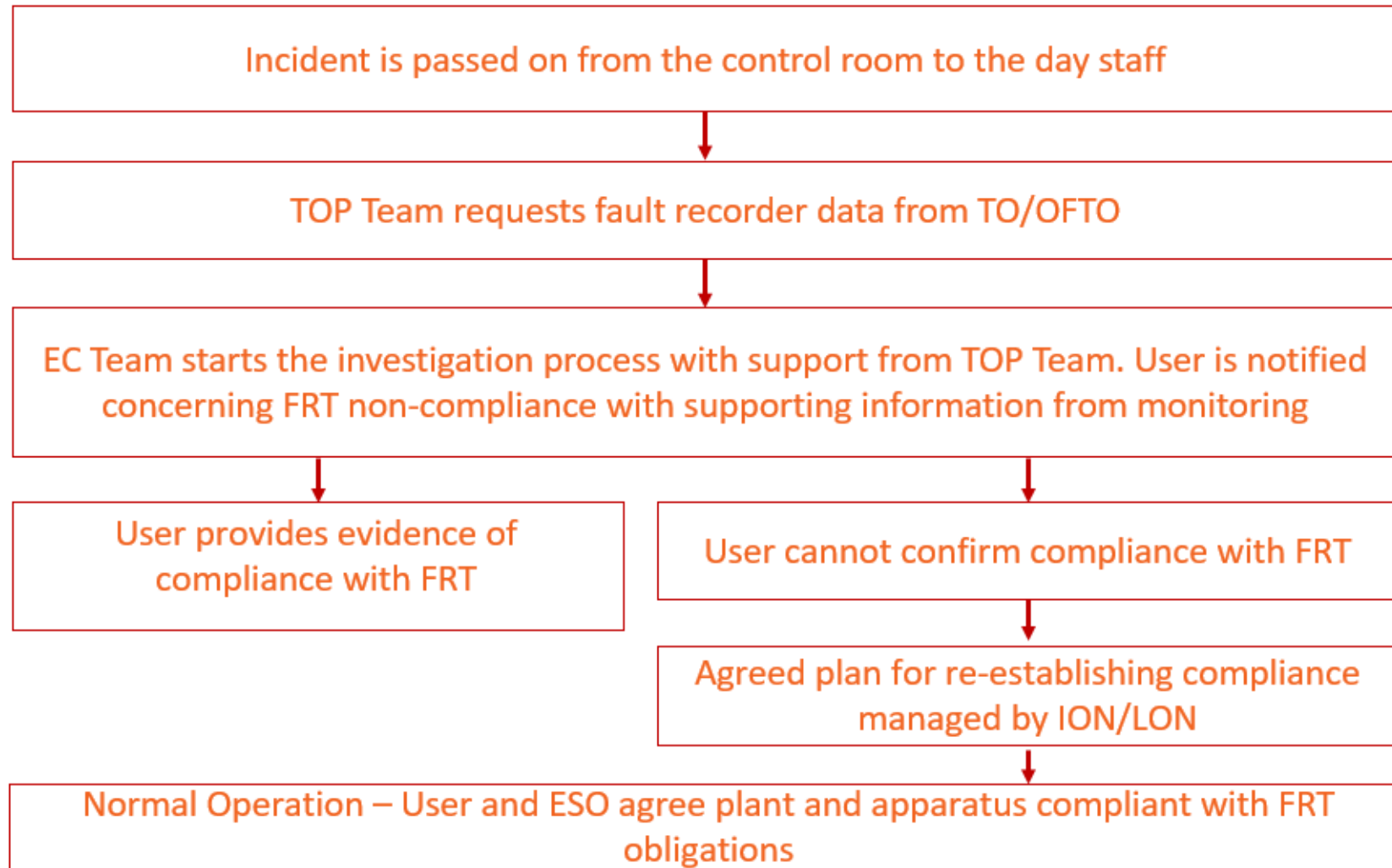
OC5.4.2.3/OC5.4.2.4 – OUTPUT RESTRICTIONS

Where the User or Network Operator is unable to confirm compliance in SIR timescales, they are advised of their obligation to self restrict until such a time that full explanation and confirmation of compliance can be given.

FRT MANAGEMENT – OPERATIONAL TIMESCALES



FRT MANAGEMENT – MEDIUM TERM



FRT MANAGEMENT – LONG TERM OC3.6

Based on the results of the Fault Investigation Process, ESO through the EC Team is required to collate the lessons learnt.

OC3.6.1

Where the analysis of events occurring on the NETS gives rise to learning points which The Company believes are relevant to the industry, The Company will publish a report explaining the events, the analysis and information gained as applicable. The contents of the report will be anonymised to avoid identification of Users, connection sites and manufacturers of Plant and Apparatus except in circumstances where OC3.6.2 applies.

FRT MANAGEMENT – LONG TERM OC3.6

OC3.6.2

Where The Company believes that it is appropriate to identify a particular User, connection site or Plant and Apparatus, The Company shall in the first instance consult the relevant User and/or manufacturer as applicable to seek agreement for publication.

OC3.6.3

If permission for publication is not granted by the User and/or manufacturer and The Company believes that it is appropriate to identify a particular User, connection site or Plant and Apparatus, The Company may ask the Authority for guidance regarding publication.

A scenic landscape featuring snow-capped mountains under a dramatic, cloudy sky. A winding road or path is visible, and several bright, glowing light trails curve across the foreground, suggesting a long-exposure photograph of light or a stylized digital effect. The overall tone is warm and majestic.

Thank You