



**GC0156: Facilitating the implementation of the Electricity System
Restoration Standard (ESRS)**

GCDF

6 March, 2024

Introduction

GC0156 modification was raised by the ESO to put in place measures, tools and procedures to enable the ESO meet ESRS requirements

What is ESRS?



GC0156 Provisions

72hr resilience for all CUSC parties

Introduces the concept of DRZPs

Requirement to publish regional demand forecast for all 7 restoration regions

New assurance activities for TOs, DNOs, CUSC parties and ESO

Requirements to ensure coordination of parties relevant to restoration

Requirements for Offshore assets to participate in restoration

GC0156 Consequential Modifications

- GC0156 modification necessitated consequential modification of the STC/STCP, SQSS, CUSC, BSC and the Distribution Code to ensure consistency with the Grid Code.
- These consequential modification were carried out in the CM089/091 for the STC, GSR032 for the SQSS, DCRP/MP22/02 for the Distribution Code, P451 for the BSC and CMP398 for the CUSC
- The GC0156, GSR032, CM089/091 and DCRP/MP22/02 were all approved by Ofgem on 5 February 2024
- Ofgem yet to make decision on P451 and CMP398

Consequential Modifications

STC CM089/091

Ensure new resilience requirements from GC0156 are applied to TOs

Include requirements for OFTOs so offshore assets can participate in restoration

Requirements for TOs to manage outages that affect restoration

TOs to plan network in compliance with GC restoration requirements

Consequential Modifications

SQSS GSR032

Design requirements to
enable participation in
restoration

Design requirements to
prevent system collapse
during restoration

Requirements to permit the
synchronisation of power
station

Consequential Modifications

Distribution Code

DCRP/MP22/02

Introduction of Bottom-up restoration approach (DRZP)

Requirements to enable generators participate in a DRZP

Capability requirements of networks comprising DRZP

Consequential Modifications with Pending Decision

CUSC CMP398

Codify cost recovery
mechanism for non
contracted CUSC parties

BSC P451

Amendment to BSC Section
G to enable RCs who are
non-BSC parties to claim
avoidable costs.

ESO Post-approval actions

Ofgem in some of its decision letters requested that ESO carry out some actions support the implementation of the provisions in the modifications

- Maintain an up-to-date register for all parties requiring alternative resilience arrangement.
- Engage with parties prior to them making a derogation request.
- ESO to engage with TOs to determine sections of the NETS that need to be reinforced so ESO can meet ESRS
- Work with industry and Ofgem to understand the requirement for the CMP398 approval committee