

Public

GC0155

Workgroup 22, 24 April 2025

Online Meeting via Teams

WELCOME

Meeting Recording

Public Expectations of a Workgroup Member

Contribute to the discussion

Be respectful of each other's opinions

Language and Conduct to be consistent with the values of equality and diversity

Do not share commercially sensitive information

Be prepared – Review Papers and Reports ahead of meetings

Complete actions in a timely manner

Keep to agreed scope

Email communications to/cc'ing the .box email

Your Roles

Help refine/develop the solution(s)

Bring forward alternatives as early as possible

Vote on whether or not to proceed with requests for Alternatives

Vote on whether the solution(s) better facilitate the Code Objectives

Workgroup Membership

Role	Name	Company
Proposer	Bieshoy Awad	NESO
NESO Rep	Graham Lear	NESO
Workgroup Member	Paul Youngman	Drax Power Station
Workgroup Member	Alan Creighton	Northern Powergrid
Workgroup Member	Afshin Pashaei	NGET
Workgroup Member	Owen Curran	Siemens
Workgroup Member	Fraser Norris	SSE
Workgroup Member	Garth Graham	SSE
Workgroup Member	Ryan Tumilty	SSE
Workgroup Member	Isaac Gutierrez	Scottish Power
Workgroup Member	Nicola Barberis Negra	Orsted
Workgroup Member	David Stubbs	Harmony Energy Limited
Workgroup Member	Sean Gauton	Uniper Energy
Workgroup Member	Tim Ellingham	RWE Generation UK, RWE Renewables

Workgroup Membership

Role	Name	Company
Observer	David Griffiths	RWE Generation UK, RWE Renewables
Observer	Harry Burns	EDF
Observer	Mzamoyabo Sibanda	SSE Renewables
Observer	Cornel Brozio	SP Energy Networks
Observer	Andrew Larkins	Sygensys
Observer	Mike Kay	Independent
Observer	Vincenc casadevall	GE Renewable Energy
Observer	Sigrid Bolik	Siemens
Observer	Michail Theodoridis	Vestas
Observer	Attya Ayman	NGESO
Observer	John Fradley	NGESO
Observer	Xiaoyao Zhou	NGESO
Observer	Gideon Miti	NGESO
Observer	Nathanael Sims	NGESO
Authority Representative	Shilen Shah	Ofgem

Agenda

Topics to be discussed	Lead
Welcome	Chair
Action Log	Chair
Objectives and Timeline	Chair
Terms of Reference	Chair
Review updated Workgroup Consultation	
Any Other Business	Chair
Next Steps	Chair

Action log

Action number	WG raised	Owner	Action	Comment	Due by	Status
45	WG10	Ofgem	Ofgem Check with Legal if CRM should be put in place if applying retrospectively.	Chair to chase email.	WG20	Open
49	WG12	All	Consider TOV graph, what palatable limits might be.	Requires further elaboration.	WG20	Open
61	WG15	All	Workgroup members to provide feedback on why BCA doesn't work and how they feel they can better comply.	To be provided during WG discussions and documented within the WG consultation document.	WG20	Open
65	WG16	All	Provide challenge and provide feedback on risks re Operation During Temporary Overvoltages section.	To be provided during WG discussions and documented within the WG consultation document. Include how the system is currently managed. WG need more data and when TOV occur and how this and Frequency is managed.	WG20	Open
66	WG16	All	Provide feedback on the Issues with the current requirements and validate that these points are correct.	To be provided during WG discussions and documented within the WG consultation document.	WG20	Open

Action log

Action number	WG raised	Owner	Action	Comment	Due by	Status
67	WG18	BA/AP	Consider the technical feasibility of different magnitudes and the overall impact this would have on the stability of the system.	Ongoing discussions and considerations for consultant review.	WG20	Open
68	WG18	All	Have further discussions with manufacturers with everyone present or obtain written documents from them to understand if TGN288/ RFG-2 figures can be met or if other levels need to be considered. Also carry out some case studies on specific plant to understand how the solution may be implemented in reality.	BA is currently conversing with a generator on conceptual ideas with further conversations to be arranged.	WG20	Open
70	WG19	BA	Include worked examples in the consultation document.		WG20	Open

Objectives and Timeline

Teri Puddefoot – NESO Code Administrator



Timeline for GC0155 as at 24 April 2025

Milestone	Date	Milestone	Date
Modification presented to Panel	01 December 2021	Code Administrator Consultation	03 October 2025 to 03 November 2025
Workgroup Nominations (15 business days)	20 December 2021 to 14 January 2022	Draft Final Modification Report (DFMR) issued to Panel (5 business days)	03 December 2025
Workgroup 20	Review Workgroup Consultation	Panel undertake DFMR recommendation vote	11 December 2025
Workgroup 22-23	Workgroup 22 – 24 April 2025 Workgroup 23 – 14 May 2025 (moved to 24 June)	Final Modification Report issued to Panel to check votes recorded correctly (5 business days to check)	12 December 2025 to 19 December 2025
Workgroup Consultation (15 business days)	TBC	Final Modification Report issued to Ofgem This is clear 5 business days after Final Modification Report is issued to Panel to check votes recorded correctly	22 December 2025
Workgroup report issued to Panel (5 business days)	17 September 2025	Ofgem decision needed by	TBC
Panel sign off that Workgroup Report has met its Terms of Reference	25 September 2025	Implementation Date	TBC

Terms of Reference – GC0155 (Updated)

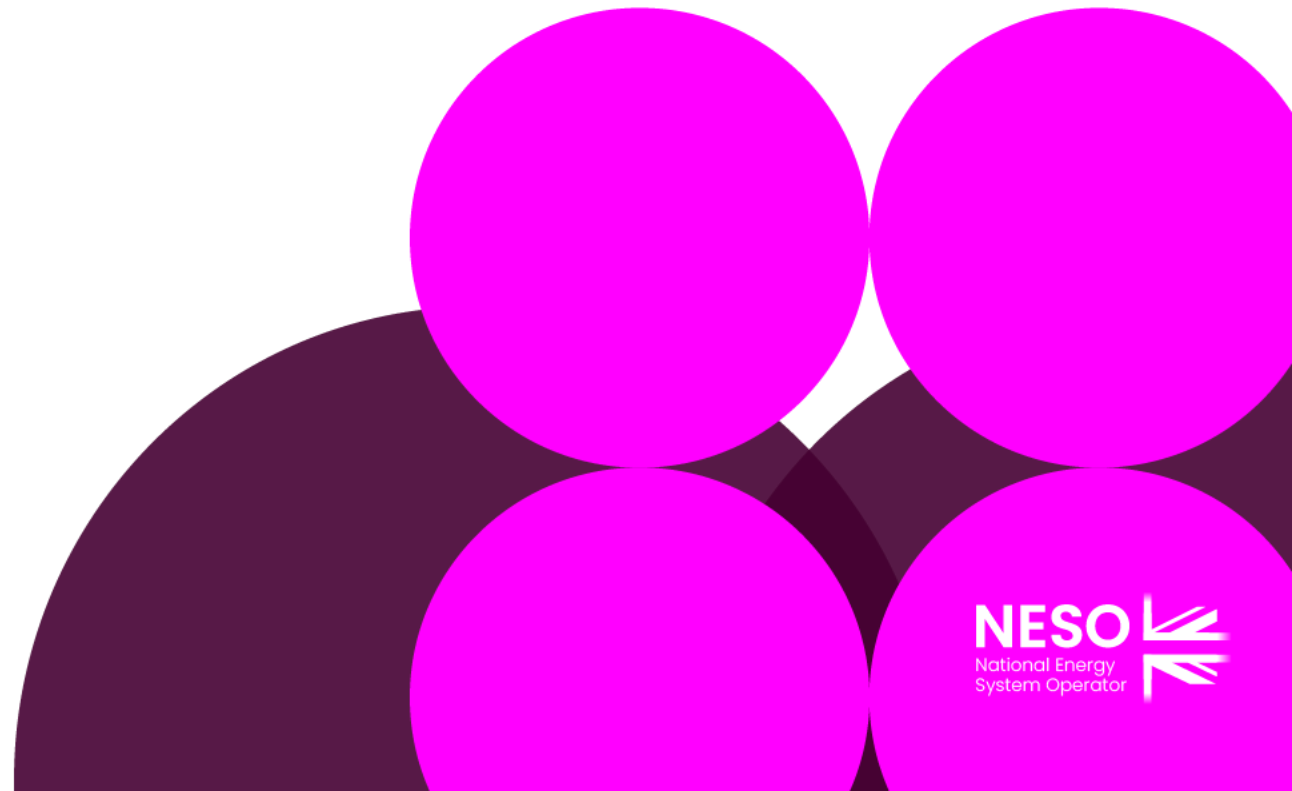
Workgroup Term of Reference	Location in Workgroup Report (to be completed at Workgroup Report stage)
(a) Implementation <u>NESO implementation</u> and costs;	
(b) Review draft legal text should it have been provided. If legal text is not submitted within the Grid Code Modification Proposal the Workgroup should be instructed to assist in the developing of the legal text;	
(c) Consider whether any further Industry experts or stakeholders should be invited to participate within the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup. Demonstrate what has been done to cover this clearly in the report; and	
(d) Consider implications to sections linked to the Regulated Sections of the Grid Code	
(e) Changes and clarifications to the existing Grid Code Fault Ride Through (FRT) requirements specifically but not limited to consideration of the following areas: I. Clarify instances where User plant is required to trip in order to clear transmission system faults II. Amending <u>Amend</u> requirements for generating maximum reactive current during faults where these may be unachievable for some generators III. Amending <u>Amend</u> post-fault active power requirements to consider whether generators at low load may have greater levels of oscillation than permitted IV. To consider <u>Consider</u> clarifying and or defining requirements for over-voltage during a fault	
(f) Consider and address any cross code impacts on other codes especially Distribution Code (e.g. G99 requirements)	

Review Updated Workgroup Consultation

Bieshoy Award – Proposer

Any Other Business

Teri Puddefoot – NESO Code
Administrator



Next Steps

Teri Puddefoot – NESO Code Administrator