

# GC0103 – Workgroup Meeting 2

The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes

**19 July 2023**

**Online Meeting via Teams**

# WELCOME







# Agenda

Elana Byrne – National Grid ESO Code Administrator

# Agenda

#	Topics to be discussed	Lead
1.	Welcome	Chair
2.	Workgroup Responsibilities & Member Updates	Chair
3.	Objectives, Actions Update, Timeline and Terms of Reference	Chair
4.	Proposer Update	Proposer
5.	Discuss the Scope of the RES & AES	Chair & Proposer
6.	Agreeing Sub-Group Formation & Workgroup Progression	Chair & Mark Waldron
7.	Any Other Business	Chair
8.	Next Steps	Chair



# **Workgroup Responsibilities & Member Updates**

**Elana Byrne – ESO Code Administrator**

# Workgroup Members

Workgroup Members	Company	Company Role	Workgroup Role
Garth Graham	SSE	Generator	Proposer
Elana Byrne (chair)	National Grid ESO	ESO	Chair
Lizzie Timmins (Tech Sec)	National Grid ESO	ESO	Tech Sec
Frank Kasibante	National Grid ESO	ESO	ESO Rep
Paul Drew	Ofgem	Authority	Ofgem Rep
Isaac Gutierrez	Scottish Power	Generator (offshore)	Workgroup member
Hooman Andami	Elmya	Generator (offshore - battery, solar)	Workgroup member
Mike Kay	Representing Electricity North West	DNO (Electricity NW)	Workgroup member
Nicola Barberis Negra	Orsted	Generator (offshore)	Workgroup member
Mark Waldron	National Grid	NGET	Workgroup member
David Monkhouse	National Grid	NG Ventures Interconnectors	Workgroup member
Michael Chowns	RWE	Generator (renewables)	Workgroup member
Richard Wilson	UK Power Networks	DNO	Workgroup member
Graeme Vincent	SP Energy	TO	Workgroup member
Leo Michelmores	Eleclink	Interconnector	Workgroup member
Fabian Koehler	SSEN Transmission	TO	Workgroup member
Ramana Budha	Jacobs Engineering	Consultant	Workgroup observer

## 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



# **Objectives, Timeline & Terms of Reference**

**Elana Byrne – ESO Code Administrator**



# Objectives

- Share updates from Panel
- Agree clarity on the proposed solution – Proposer’s update
- Discuss the scope of the RES/AES
- Agree sub-group formation and Workgroup progression

## Actions Update

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
1	WG1	LT	Send out invites for future Workgroups	NA	WG2	Closed
2	WG1	GG	Clarify what constitutes a material change, that would cause existing users to transfer from the RES to the AES	NA	WG2	Open
3	WG1	MK	Provide documentation from previous GC0103 discussions	NA	WG2	Closed
4	WG1	EB	Identify whether additional TO representation is required	NA	WG2	Open
5	WG1	EB	Catch up with MW on previous GC0103 work done	NA	WG2	Open
6	WG1	FK	Explore options for a generator/TO sub-group to support WG on technicalities	Consult with Proposer	TBC	Open

# Timeline for GC0103 as of 20 June 2023

Stages	Date	Objectives & Notes
Workgroup 1	27/06/23	Agree timeline, Terms of Reference, understand outline of the Proposer's solution
Workgroup 2	19/07/23	Refine solution and draft Workgroup Consultation questions
Workgroup 3	10/08/23	Finalise Workgroup Consultation
Workgroup Consultation	23/08/23 – 15/09/23	
Workgroup 4	03/10/23	Review / assess Workgroup Consultation responses and Workgroup Report.
Workgroup 5	24/10/23	Finalise solution(s) and legal text, agree that Terms of Reference have been met, Review Workgroup Report and hold Workgroup Vote
Workgroup Report to Panel	13/11/23	Panel on 23/11/23
Code Administrator Consultation	27/11/23 – 05/01/24	1 month plus an allowance for the Christmas-NY break
Draft Final Modification Report to Panel	19/01/24	
Final Modification to Ofgem / Appeals Window opened	TBC	TBC once 2024 Panel dates confirmed
Implementation Date	TBC	

# Terms of Reference (updated following GCRP 29 June 2023)

## Workgroup Term of Reference

a) Implementation 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 EBR implications

**e) Consider any unintended consequences of the modification, including evidence of an impact assessment**

**f) Consider the interaction between GC0103 and ongoing RES work**

**g) Consider any cross code impacts, including any relating to CATOs and GC0159 in particular**



## **Proposer update**

**Garth Graham - SSE**

At the request of the Workgroup I've been asked to provide a short note on the GC0103 proposal along the following lines:

*“Clarity on the scope and details of the solution documented for the Workgroup to reference (including expected outputs of the modification)”*

The scope of the proposal is to standardise the existing three separate sets of RES (covering three items each, so nine overall) that are applicable in GB into a single set (to be known as AES, to avoid confusion with the legacy RES that will remain applicable for existing sites).

The detail of the solution will be subject to further Workgroup (and Sub-group?) discussions as to which set of standards should be adopted; such as one of the existing three RES sets or a hybrid or ‘something else’.

The output of the proposal will be a single set of standards that, going forward, GB connecting Users will need to comply with.

One of the points raised at the first Workgroup meeting was:

*“One Workgroup member raised a concern that there was no guidance on what constitutes a material change to an asset, and the proposer agreed to clarify this.”*

What constitutes a material (or ‘significant’ or ‘substantial’) change is as per the existing Grid Code / CUSC requirement.

GC0103 is not proposing to change that: the Codes today determine if a change, at a User site, necessitates that site needing to comply with the more up to date RES (if there has been a change to the RES since the site was initially commissioned).

All that GC0103 would do is, at that point, replace the need to meet the updated RES with needing to meet (instead) the AES (as introduced by GC0103).





## **Discuss the scope of the RES & AES**

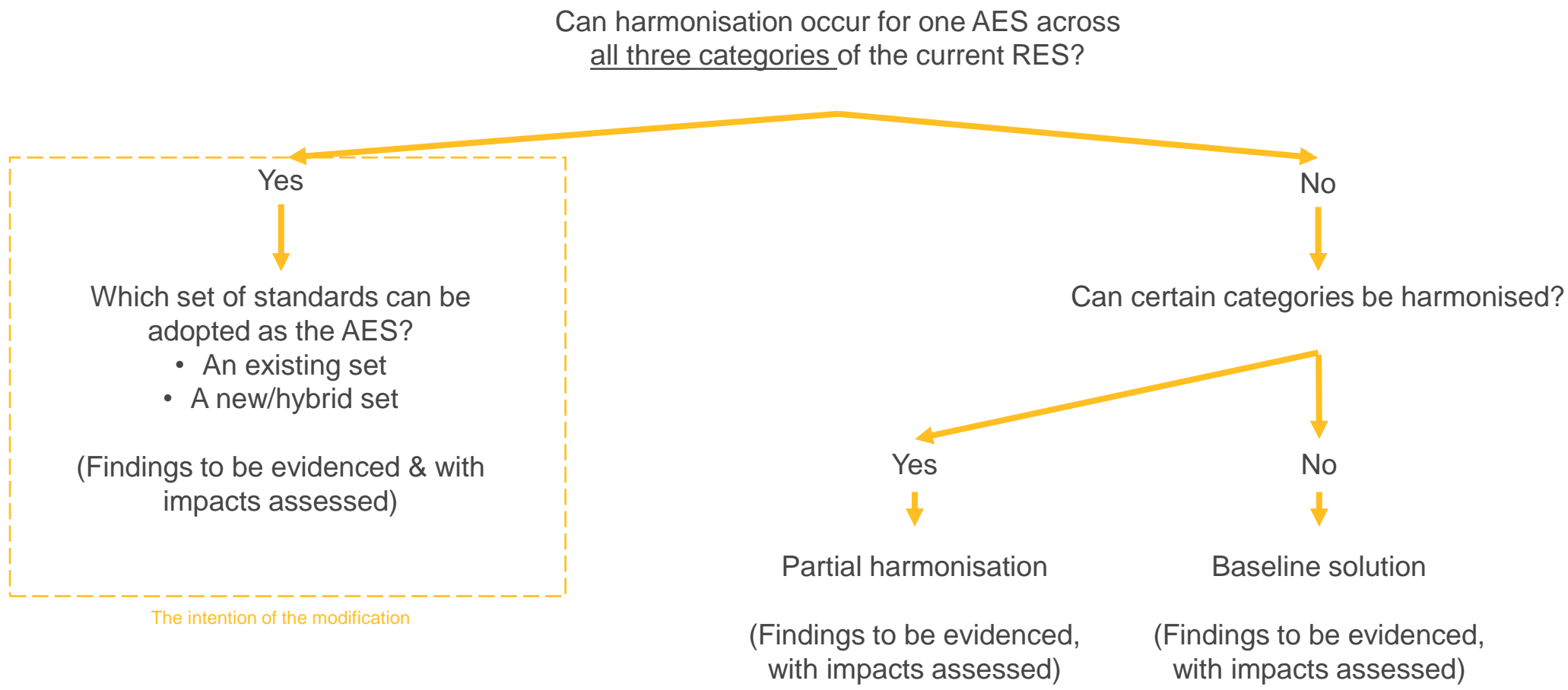
**Garth Graham – SSE**

**Elana Byrne - ESO Code Administrator**

# The scope of the RES/AES

The Proposer’s intention would be that the sub-group looking at the technicalities of harmonisation will explore the technical feasibility for why harmonisation of all categories of the current RES wouldn’t be possible, taking into account good industry practise:

- (i) Electrical capabilities
- (ii) Condition Monitoring & Maintenance & Access
- (iii) Environmental Monitoring





# Summary of technical progress made by the original Workgroup process

Mark Waldron



## **Agree formation of a sub-group and Workgroup progression**

**Elana Byrne – ESO Code Administrator**

# Forming a sub-group

## **Purpose of the sub-group:**

- To execute a mapping exercise to ascertain where harmonisation is, or isn't, possible

## **Members of the sub-group:**

- Volunteers from the Workgroup and recommendations for anyone with relevant expertise/experience in this area, with each TO contributing

## **Inputs and Outputs for the sub-group:**

### ***Inputs:***

- What information is needed for each set of standards to be used in the mapping sessions
- Can sub-group members supply that information (& when)
- Where may there be gaps in the information and how could those be filled
- A format/matrix to map the information against

### ***Outputs:***

- Mapping across the various categories to identify the areas where harmonisation is possible/partially possible/not possible – with reasoning and impacts assessed as a mandatory for this process.
- Where there are differences between standards, why are there differences and would that prevent a harmonised standard being applied?
- Impact assessment – security of supply, safety, compliance, 'principle-based' CBA etc.

# Forming a sub-group

## **Format & duration of the sub-group:**

- 0.5 day or full day sessions, held in person or virtually
- Number of sessions expected over an estimated period
- Workgroup hiatus while the sub-group convenes?
- A revised process timeline





# **Timeline & Terms of Reference Check**

**Elana Byrne – ESO Code Administrator**

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**A.O.B.**

**Elana Byrne – ESO Code Administrator**



## **Next Steps**

**Elana Byrne – ESO Code Administrator**