

# GC0155 Clarification of Fault Ride Through Technical Requirements

**10 April 2024**

**Online Meeting via Teams**

# WELCOME



## 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

## Your Roles

Help refine/develop the solution(s)

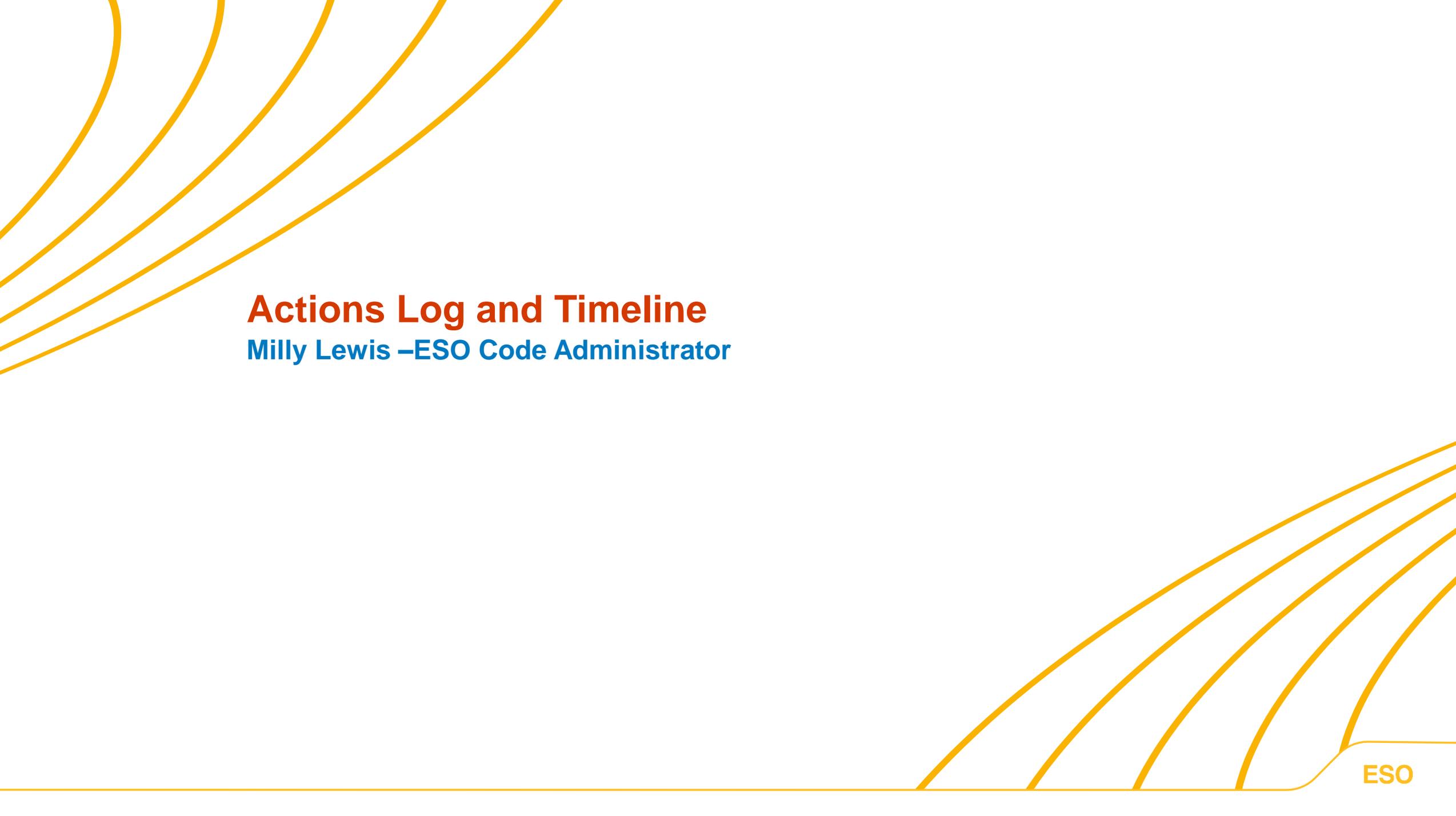
Bring forward alternatives as early as possible

Vote on whether or not to proceed with requests for Alternatives

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

# Members / Alternates & Observers

Role	Name	Representing
Chair	Milly Lewis	Code Administrator (ESO)
Technical Secretary	Teri Puddefoot	Code Administrator (ESO)
Proposer	Terry Baldwin	NGESO
Workgroup Member	Alan Mason	Oceanwinds
Workgroup Member	Alan Creighton	Northern Powergrid
Workgroup Member	Alastair Frew	Drax Power Station
Workgroup Member	Andrew Vaudin	EDF
Workgroup Member	Bieshoy Awad	NGESO
Observer	David Griffiths	RWE Generation UK, RWE Renewables
Observer	Fiona Williams	NGESO
Workgroup Member	Afshin Pashaei	NGET
Workgroup Member	Owen Curran	Siemens
Workgroup Member	Fraser Norris	SSE
Workgroup Member	Garth Graham	SSE Generation
Workgroup Member	Isaac Gutierrez	Scottish Power
Workgroup Member	John Fradley	ESO
Observer	Mike Kay	Independent
Workgroup Member	Nicola Barberis Negra	Orsted
Observer	Owen Curran	Siemens
Workgroup Member	Priyanka Mohapatra	Scottish Power
Workgroup Member	Ryan Tumilty	SSE
Workgroup Member	Sean Gauton	Uniper Energy
Workgroup Member	Tim Ellingham	RWE Generation UK, RWE Renewables
Workgroup Member (Alternate)	Julie Richmond	Scottish Power
Workgroup Member (Alternate)	Martin Aten	Uniper
Workgroup Member (Alternate)	Sridhar Sahukari	Orsted
Workgroup Member (Alternate)	Frank Martin	Siemens
Authority Representative	Shilen Shah	Ofgem



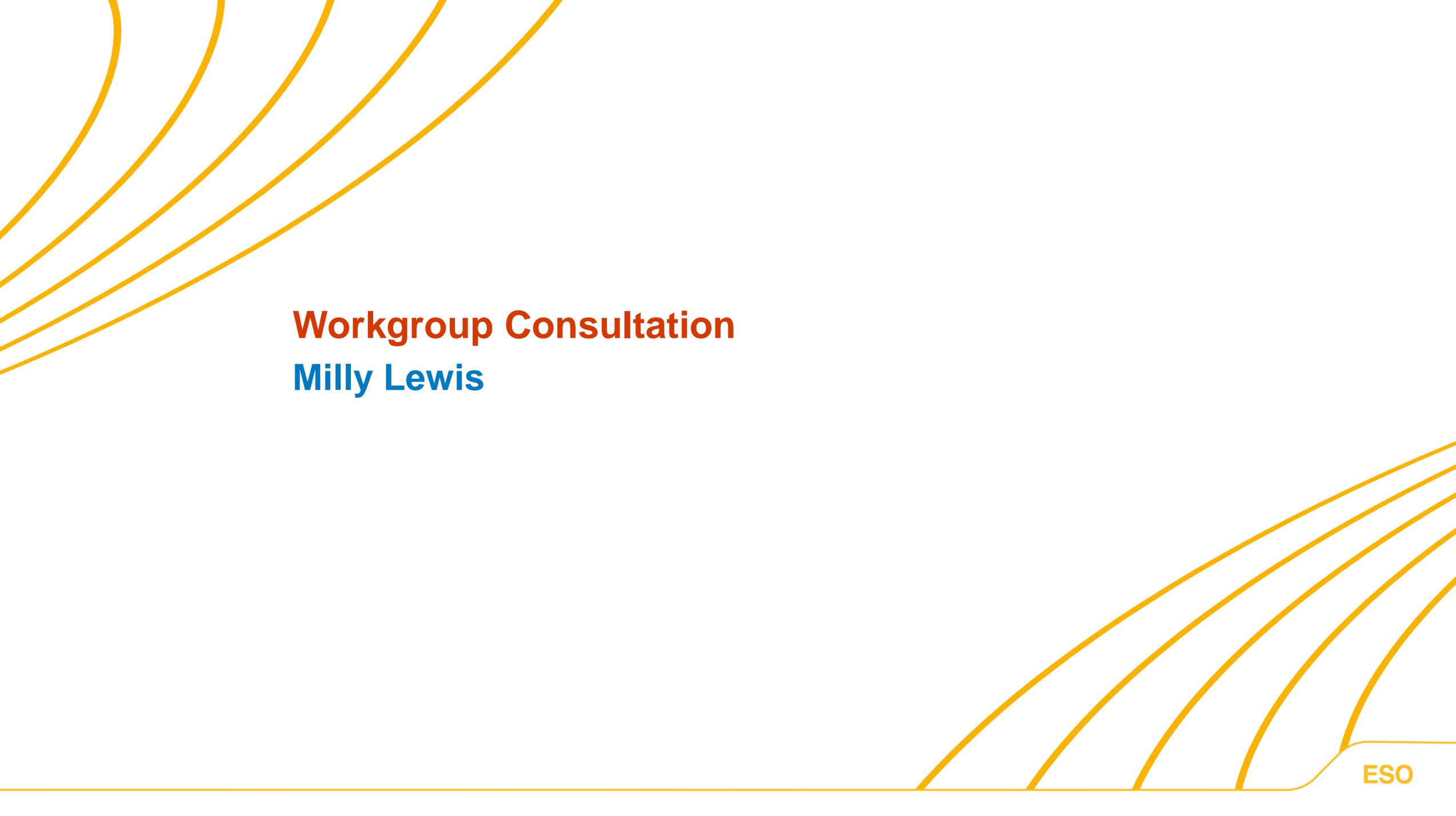
# Actions Log and Timeline

Milly Lewis – ESO Code Administrator

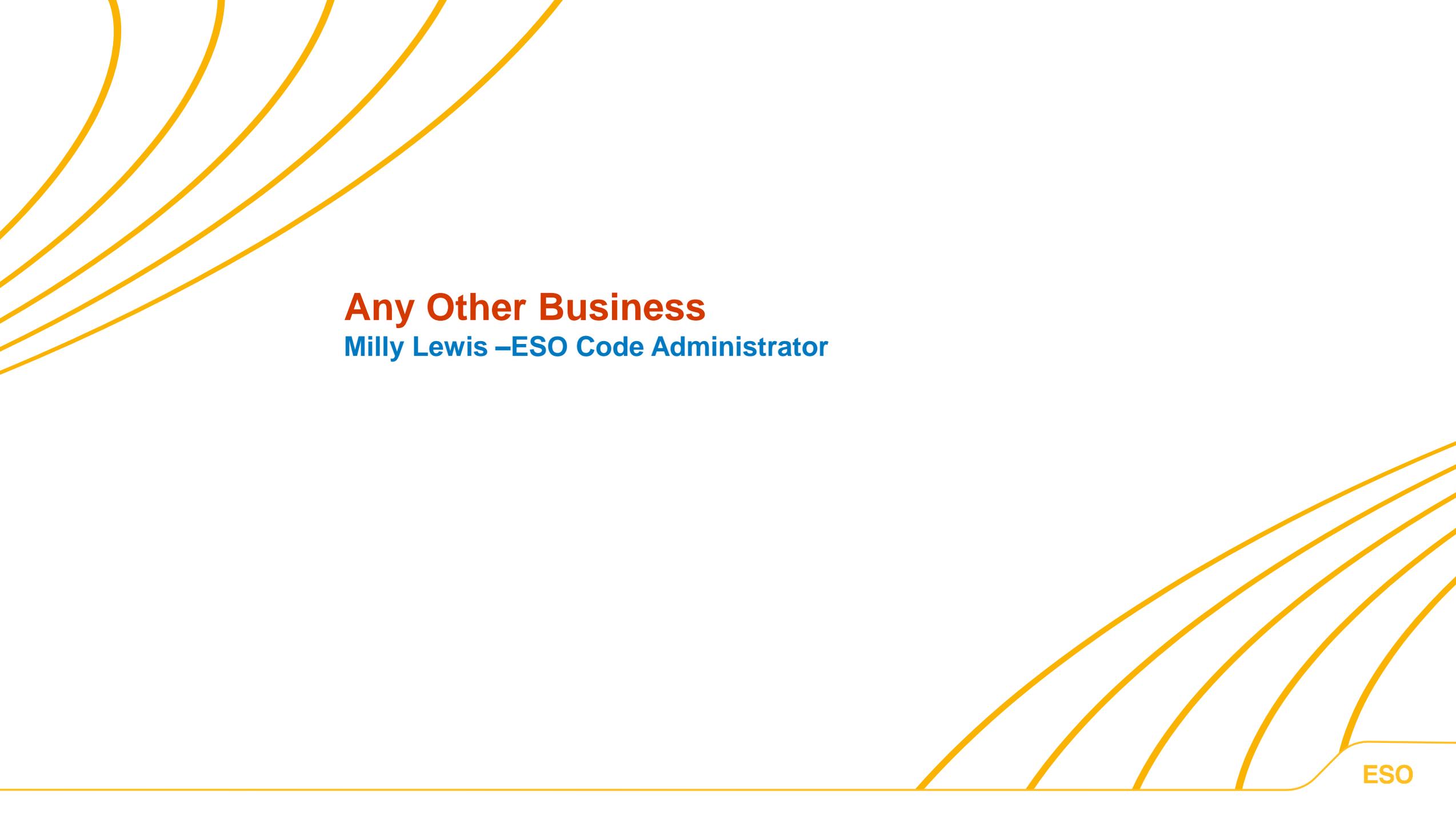
# Actions

Action number	Workgroup	Owner	Action	Comment	Due by	Status
	Raised					
39	WG8	BA	Discuss CC.6.1.11 with TOs and manufactures and feedback to WG with strawman		WG9	Ongoing
45	WG10	Ofgem	Check with Legal if CRM should be put in place if applying retrospectively		WG11	Open
47	WG11	SS	Come back with feedback on action 43		Early August 2023	Open
49	WG12	All	Consider TOV graph, what palatable limits might be		WG13	Open
51	WG12	BA	Share the results of the effects with a lower voltage		WG13	Open
54	WG14	JF (ESO)	Summary of how HVDC conventionally works to be shared with the Workgroup		WG 15	Open
56	WG14	BA	Proposer to trace discussions on issues with fault ride through requirements from GC0111 and GC0137		WG 15	Ongoing
58	WG14	BA	Review section for performing during overvoltages, checking for any missing baseline legal text in these sections, conferring with Workgroup members and reviewing the clause reference at the base of page 11.		WG 15	Ongoing
60	WG15	BA	Create the BCA exception clause to put into text		WG 16	Open
61	WG15	All	Workgroup members to provide feedback on why BCA doesn't work and how they feel they can better comply		WG 16	Open

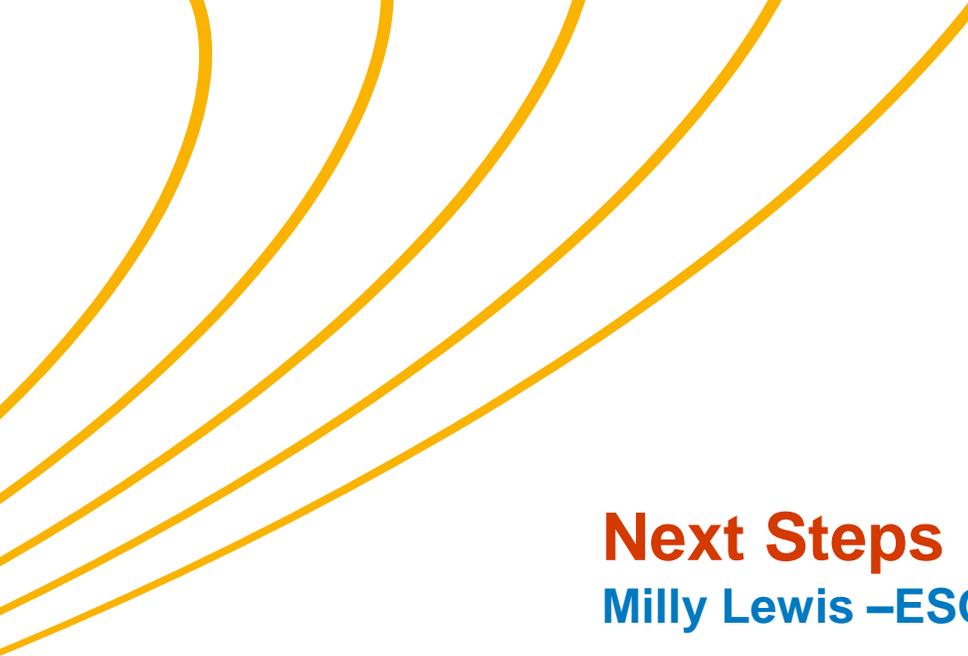
Workgroups	Dates	Activity
Workgroup 1	10/02/2022	Understand / discuss proposal and solution, note the scope and identify any possible alternative solutions, agree timeline and review terms of reference, agree next steps.
Workgroup 2	07/06/2022	Refresher: review and agree timeline and Terms of Reference, Review/Develop solution(s) and legal text, identify/assess possible alternatives.
Workgroup 3	05/07/2022	Develop Solution(s), review of legal text and alternatives
Workgroup 4	25/07/2022	ESO to present plan and next steps re Definition of Overvoltage Requirements following a Fault, agree on the proposed plan
Workgroup 5	23/08/2022	Review / assess on-going work on Overvoltage requirements
Workgroup 6	07/09/2022	Review / assess ongoing work on Overvoltage requirements; consider HVRT findings
Workgroup 7	19/01/2023	Review / assess ongoing work on Overvoltage requirements; consider HVRT findings
Workgroup 8	05/04/2023	Review of ESO findings, look through of draft legal text, consideration of alternatives
Workgroup 9	04/05/2023	Review draft legal text and any ESO updates,
Workgroup 10	08/06/2023	Complete review of draft legal text and any ESO updates, consideration of alternatives
Workgroup 11	25/07/2023	Finalise draft legal text for WAGCM1, draft consultation overview
Workgroup 12	19/09/2023	Review actions and complete alternate vote
Workgroup 13	18/10/2023	Review Draft legal text for all solutions
Workgroup 14	13/12/2023	Review of draft Workgroup Consultation
Workgroup 15	13/03/2024	Review of draft Workgroup Consultation
Workgroup 16	10/04/2024	Full review of draft Workgroup Consultation
Workgroup Consultation	16/04/2024 - 16/05/2024	
Workgroup 17	04/07/2024	Review Consultation responses
Workgroup 18	06/08/2024	Review draft Workgroup Report and legal text
Workgroup 19	12/09/2024	Review draft Workgroup Report and legal text
Workgroup 20	09/10/2024	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	20/11/2024	
<b>Post Workgroups</b>		
Code Administrator Consultation	03/12/2024 - 10/01/2025	
Draft Final Modification Report to Panel	19/02/2025	
DFMR Vote at Panel	27/02/2025	
Final Modification to Ofgem	12/03/2025	



**Workgroup Consultation**  
**Milly Lewis**



**Any Other Business**  
Milly Lewis – ESO Code Administrator



## Next Steps

Milly Lewis – ESO Code Administrator