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Code Administrator Meeting

Summary

Workgroup Meeting 8: GC0168 – Submission of Electro Magnetic Transient (EMT) Models

Date: 09 May 2025

Contact Details

Chair: Kat Higby (NESO) Katharine.Higby@neso.energy

Proposer: Frank Kasibante (NESO) Frank.Kasibante1@neso.energy

Key areas of discussion

The Chair confirmed the purpose of Workgroup 8 was to review the outstanding actions, Legal Text, Workgroup Report, Terms of Reference, and timeline, along with carrying out the Workgroup Vote.

Action review

The Proposer confirmed that the only outstanding action (Action 30) has been addressed and proposed to close. The Chair closed this action during the meeting.

Legal Text review

Planning Code

The Proposer and NESO SME talked discussed comments and proposed amendments made by Workgroup members to the Planning Code draft legal text, including revised text in PC.A.6.7.1, PC.A.9.1.2, PC.A.9.9.1, and PC.A.9.2.2.1. The Workgroup agreed with the amendments and all the comments were resolved.

A Workgroup member asked for clarification on PC.A.9.2.2.1 and the implications if a vendor of a component does not exist, which would make it impossible to create an EMT model. A Workgroup observer and the NESO SME confirmed that the code is flexible enough to allow for alternative arrangements, such as using models from other sources or developing new models with support

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from NESO. The discussion concluded with an understanding that the guidance documents will cover these scenarios, ensuring flexibility and clarity in such cases.

General Conditions

The Proposer highlighted a suggestion made by a NESO SME to remove additional references to '...Models...' in the General Conditions, in favour of '...Modelling...'. The Workgroup agreed with this suggestion and the comment was resolved.

Workgroup Report

The Chair talked through the comments and suggestions made by Workgroup members in the Workgroup Report. The Chair noted that there were a number of references to this modification being linked to '...CMPXXX...' as a CUSC Modification has yet to be raised. They confirmed that this will be amended, so that all references will now refer to a '...future CUSC Modification related to the cost recovery mechanism'.

A Workgroup member noted that there was a potential error in a reference to PC.A.6.1.7 and suggested it should be PC.A.6.7.1. The Proposer agreed and the Chair corrected the error. The Workgroup member also noted that in the same reference, the Proposer used the term '...dynamic models...' but this should specify EMT models. Other Workgroup members confirmed that dynamic models can include both RMS and EMT, so suggested including a specific reference to EMT. The Workgroup agreed and the Chair amended the wording accordingly.

Workgroup members highlighted that in referring to dynamic models, the current wording refers to PC.A.6.7.1 but this should be PC.A.6.1.3 along with the use of '...EMT simulation...' rather than '...EMT model...'. The Workgroup agreed and the Chair amended the wording accordingly.

The Workgroup discussed further comments by Workgroup members, agreeing amendments and resolving comments, including text relating to EU Code Users where additional text and grammatical changes were made to improve clarity.

The Workgroup confirmed that they were content with the Workgroup report.

Terms of Reference (ToR)

The Chair shared a document that showed progress made to address each item in the Terms of Reference (ToR), noting that the Workgroup had previously agreed that all ToR items had been

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addressed apart from items (b) and (e). They noted that given the draft Legal Text discussion (b) during today's Workgroup and the earlier discussions around cost recovery mechanisms and the need to feed into the related CUSC modification (e), they proposed to consider these remaining points as addressed. The Workgroup agreed.

Workgroup Vote

The Chair noted that as no Alternative Requests had been made, there was no need to carry out a Stage 1 vote and they would move straight onto the Stage 2a and 2b voting. The outcome of the Stage 2a vote was that the Workgroup concluded by majority that the Original better facilitated the Applicable Objectives than the Baseline.

The outcome of the Stage 2b Workgroup Vote was:

Workgroup Member	Company	Industry Sector	BEST Option?	Which objective(s) does the change better facilitate? (if baseline not applicable)
Julie Richmond	ScottishPower Renewables	Generator	Baseline	N/A
Frank Kasibante	NESO	System Operator	Original Proposal	i, ii, iii, iv
Graeme Vincent	SP Energy Networks	Network Owner / Operator	Original Proposal	i, ii
Martin Aten	Uniper	Generator	Original Proposal	i, iii, iv
Ross Strachan	EDF Renewables	Generator	Original Proposal	i, iii
Srinivas Edla	SSEN-Transmission	Transmission Owner	Original Proposal	i, iii, iv, v

Timeline

The Chair shared the timeline for GC0168 and confirmed that the next stage is to issue the Workgroup Report to the Panel by 22 May 2025. Following confirmation from the Panel that the Workgroup has met its ToR on 29 May 2025, the Code Administrator Consultation will be issued on 04 June 2025.

AOB and Next Steps

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A Workgroup member asked the Proposer for an update on progress with the imminent CUSC cost recovery modification. The Proposer confirmed that they are about to start work on developing the modification and asked all Workgroup members to contribute to the process.

The Proposer shared feedback from the recent GCDF meeting, confirming that EMT models were discussed and there is a focus on ensuring clarity in the electrical standard and guidance documents. The NESO SMT also confirmed that there would be opportunities for industry to contribute to the development of the electrical standard and guidance documents.

The Chair confirmed that a copy of the voting results will be shared with the Workgroup at the conclusion of the meeting. They asked all Workgroup members who had cast a vote, to confirm that their vote had been recorded correctly and to provide their voting statements by 1pm on 12 May 2025.

Actions

Action Number Raised	Workgroup	Owner	Action	Due by	Status
30	WG 7	Proposer	Update the legal text with amendments discussed in a previous Workgroup	WG 8	Closed

Attendees

Name	Initial	Company	Role
Kat Higby	KH	NESO Code Administrator	Chair
Matthew Larreta	ML	NESO Code Administrator	Technical Secretary
Frank Kasibante	FK	NESO	Proposer
Arsalan Zaidi	AZ	Ofgem	Authority Representative
Ben Marshall	BM	SSE	Observer
David Monkhouse	DM	National Grid Ventures	Workgroup member
Gopi Yericherla	GY	NESO	NESO SME
Graeme Vincent	GV	SP Energy Networks	Workgroup member
Jay Ramachandran	JR	NESO	NESO SME
Julie Richmond	JR	ScottishPower Renewables	Alternate
Martin Aten	MA	Uniper	Workgroup member

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Ranjan Sharma	RS	Siemens Gamesa Renewable Energy	Workgroup member
Ross Strachan	RS	EDF Renewables	Workgroup member
Srinivas Edla	SE	SSEN - Transmission	Workgroup member