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Code Administrator Meeting Summary

Workgroup Meeting 1: CM097 Electromagnetic Transient (EMT) and Root Mean Square (RMS) Model Submission for Transmission Owners (TOs)

Date: 16 December 2024

Contact Details

Chair: Deborah Spencer, Deborah.Spencer@nationalenergyso.com

Proposer : Frank Kasibante, Frank.kasibante@nationalgridenergyso.com

Key areas of discussion

The aim of Workgroup 1 was to review and agree the Terms of Reference, discuss the Proposers solution and review Legal text.

Modification Process

The Chair provided a high-level overview of the modification process and outlined key responsibilities of Workgroup members, noting more detail on these processes can be found within the slide pack [here](#).

The Chair then asked the Workgroup Members to introduce themselves, their role and the company they represented.

Objectives and Timeline

The Chair talked the Workgroup through the proposed timeline for CM097, Workgroup Members had no further comments on the timeline.

Terms of Reference

The Workgroup reviewed the Terms of Reference for CM097 and made no further amendments to these.

Proposers Presentation

The Proposer provided the Workgroup with an overview of CM097, explaining that as Great Britain's (GB) power system moves towards a net zero carbon operation; the number of Inverter-Based Resources (IBR) is expected to increase, with the amount of synchronous generation in the grid to decline which will significantly change the characteristics of the GB network. These changes give rise to the need for more accurate dynamic modelling and the need for analysing the effect of potential control interactions between the devices across the network leading to risks of oscillations and inverter stability. This modification seeks to require Transmission Owners (TOs) to provide the NESO with Electromagnetic Transient (EMT) and Root Mean Square (RMS) models to carry out the required analysis.

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Legal Text

The Workgroup reviewed the proposed legal text for CM097 and agreed to make amendments to this to ensure consistency and clarity. The changes to the legal text can be found listed within the Actions log.

Next Steps

The Workgroup will next meet on 16 January 2025.

Actions

For the full action log, click [here](#).

Action Number Raised	Workgroup	Owner	Action	Due by	Status
1	WG1	FK	Update Section 2.1.2.8 of proposed legal text to 'Transmission Owner'	WG2	Open
2	WG1	FK	Include reference to STCP12.2 in paragraph 2.2.6.3	WG2	Open
3	WG1	FK	In Schedule 3, Section 2.1, separate out the terms for RMS and EMT and apply the reference to PCA.9	WG2	Open
4	WG1	FK	Update legal text to consistently use the term 'Transmission Owners' in STCP12.2	WG2	Open
5	WG1	FK	Share the link to the guidance note with the Workgroup	WG2	Open
6	WG1	FK	Update section 3.49 within STCP12-2	WG2	Open
7	WG1	FK / Ofgem	Discussion offline regarding Cost Recovery - For Information only for Workgroup members and confirmed not in scope for Workgroup discussions	WG2	Open
8	WG1	FK	Update STCP12-2 legal text based on Workgroup Members feedback -	WG2	Open

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share with Workgroup members for review ahead of the next Workgroup meeting

9	WG1	FK	Confirmation on repeat compliance fees and if this is scope	WG2	Open
10	WG1	FK	Review the STCP and provide any comments back to Proposer	WG2	Open

Attendees

Name	Initial	Company	Role
Deborah Spencer	DS	NESO Code Governance	Chair
Ren Walker	RW	NESO Code Governance	Technical Secretary
Frank Kasibante	FK	NESO	Proposer
Bala Santhanam	BS	Enercon GmbH	Workgroup member
Darshak Shah	DS	BP	Workgroup member
Dewu Shu	DS	GE Vernova	Workgroup member
Graeme Vincent	GV	SP Energy Networks	Workgroup member
Joel Matthews	JM	Diamond Transmission Corp	Workgroup member
Maria Ebue	ME	Voltaia UK Ltd	Observer
Maria Liendo	ML	Ofgem	Ofgem Representative
Shivraman Mudaliyar	SM	NESO	NESO Alternate
Srinivas Edla	SE	SSEN	Workgroup member
Wuxing Liang	WL	The Crown Estate	Observer