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Code Administrator Meeting Summary

Workgroup Meeting 1: Standardisation of Power Flow Metering Polarity

Date: 20 January 2026

Contact Details

Chair: Prisca Evans, Prisca.Evans@neso.energy

Proposer: Thomas Goss, Thomas.Goss2@neso.energy

Key areas of discussion

The Chair formally welcomed everyone to Workgroup 1 and outlined the agenda for the meeting.

Code Modification Process Overview

The Chair provided a detailed overview of the modification process, explaining that it begins with the submission of a proposed change, followed by the development and refinement of a suitable solution. The process then advances to a consultation phase, after which a decision is made regarding implementation. Should the outcome be unfavourable, the process is revisited, allowing for further discussion and solution development, as necessary.

During the review of Workgroup membership, it was acknowledged that several additional observers were present at the meeting. It was therefore agreed that the distribution list for CM0105 would be updated to ensure these attendees are appropriately included. **Action 1**

The Workgroup acknowledged the absence of an Ofgem representative and agreed that the technical secretary would follow up separately to ensure that appropriate regulatory oversight is incorporated into subsequent meetings.

Action 2

Objectives and Timeline

The Chair outlined the updated timeline, noting that the schedule for CM0105 has been revised to closely correspond with that of GC0182. This adjustment was necessitated by delays in establishing the CM0105 Workgroup, which in turn

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required the addition of an extra meeting to ensure the Workgroup is fully prepared prior to commencing the consultation phase.

During the update on the modification process, a Workgroup member queried whether a Workgroup Consultation was a formal requirement under the STC modification process. Upon reviewing the governance rules, it was confirmed that there is no explicit stipulation for a Workgroup Consultation within the STC process. The Technical Secretary undertook to verify the procedure further, but emphasised that, as currently applied, the process reflects best practice and is consistently used across all code modifications. **Action 3**

Review Terms of Reference

The Terms of Reference for CM0105 agreed at STC Panel were shared with the Workgroup for them to review. The Workgroup confirmed agreement to proceed as drafted.

Proposers Presentation

The Proposer delivered a presentation emphasising the lack of a harmonised polarity standard within both the STC and Grid Code. This deficiency results in inconsistent data management, operational inefficiencies, elevated balancing costs, and introduces risks of errors in both billing and system security.

The Workgroup discussed how incorrect polarity affects stakeholders through delays, increased workload, and flawed assessments for new connections, with Workgroup members providing technical explanations for the distribution of errors.

Details of estimates of the costs to fix polarity issues were shared, including software reconfiguration, wiring changes, and new equipment, highlighting the significant financial impact if not addressed. The Proposer noted that NESO currently investigates and fixes meters internally as a temporary measure, but this is unsustainable without a formal standard.

A NESO Subject Matter Expert shared details of the Implementation Plan for CM0105.

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Step 1

The initial step involves publishing a comprehensive Guidance Note that integrates the polarity diagram with detailed explanatory text. This document is intended to inform stakeholders of recommended best practices in advance of the mandatory implementation phase.

Step 2

The second phase requires that all Grid Code users adhere to the mandatory polarity Electrical Standard. This will be accomplished by formally referencing the Electrical Standard within the Grid Code and making it accessible via the appropriate website, ensuring consistency with related ongoing modifications, such as GC0103.

Step 3

Amend the STC Legal Text to stipulate that any operational metering installed or upgraded following the implementation date must comply with the newly established Electrical Standard. Additionally, introduce a formal procedure whereby relevant parties are required to submit comprehensive lists of affected metering points, which will then be subject to verification to ensure adherence to the standard.

Step 4

Following the implementation of GC0182, the Guidance Note will be withdrawn from the NESO website, and compliance with the Electrical Standard will become a mandatory requirement.

A Workgroup member referenced a discussion from earlier that morning regarding the GC0182 implementation plan and sought clarification on whether point 2.1 would remain in the implementation plan for CM0105. NESO’s Subject Matter Expert responded that point 2.1 was not applicable, as STC modifications do not affect the BCA.

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Workgroup members discussed how to reference the Electrical Standard within the STC, agreeing that referencing the relevant section of the Grid Code is appropriate and consistent with existing practice.

The Workgroup identified the need for a clear definition of 'operational metering' to ensure consistent understanding across the industry, with agreement to develop a suitable definition. **Action 4**

A Workgroup member raised concerns that the wording might imply all metering must comply from the implementation date, but the intent is to apply only to new or upgraded metering; the group agreed to clarify this in the Legal Text.

The Workgroup discussed scenarios where new metering points are added to existing connections, it was confirmed that only the new points must comply with the standard.

An action was taken to refine the Legal Text and consider further discussion to ensure clarity. A Workgroup member agreed to draft improved wording. **Action 5**

Next Steps

The Chair agreed to prepare the Workgroup Consultation for CM0105 and share it with Workgroup members for review. A collaboration space is also to be created and shared with Workgroup members. **Action 6**

An action log will be created to track outstanding items for Workgroup members to review.

Actions

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

Action Number	Workgroup Raised	Owner	Action	Due by	Status
1	WG1	DC	Distribution list for CM0105 to be updated to ensure new attendees are appropriately included.	WG2	Open

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2	WG1	DC	Technical Secretary to contact the Authority and confirm who will be attending CM0105 Workgroups.	WG2	Open
3	WG1	DC	The Technical Secretary gain clarity on Workgroup Consultations and if they are necessary for all codes.	WG2	Open
4	WG1	HG/PP	Consider and propose a clearer definition for "operational metering" for inclusion in the relevant code modifications, based on work group feedback.	WG2	Open
5	WG1	GV	Refine and reword the proposed legal text for the STC modification regarding referencing the electrical standard and clarifying applicability to new or upgraded assets only	WG2	Open
6	WG1	PE	Prepare and circulate a draft consultation document Work group review before the next meeting, including updated legal text and an action log	WG2	Open

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Attendees

Name	Initial	Company	Role
Prisca Evans	PE	NESO	Chair
Deborah Spencer	DS	NESO	Technical Secretary
Thomas Gross	TG	NESO	Proposer
Pritesh Patel	PP	NESO	Proposer Alternate
Andrew Urquhart	AU	SSE	Observer
Gillian Brailsford	SB	SSE	Workgroup Member
Graeme Vincent	GV	SP Transmission	Workgroup Member Alternate
Hao Guo	HG	NESO	NESO Representative
Hasan Nawaz	HN	SSE	Observer
Katrina Brown		SSE	Observer
Mwita Choonya	MC	SSE	Observer
Rebecca Coan	RC	NESO	Observer