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Code Administrator Meeting Summary

Workgroup Meeting 4: 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 all members to Workgroup 4, outlined the agenda for the meeting, confirmed Workgroup membership, and provided an update on the current timeline for GC0182.

Action Log Review

The Chair led a review of the following actions:

Action 4 – PP advised the documentation should show there is no confirmed start date for the new requirements, as Ofgem will decide the date. It was recommended to keep this action open until the implementation plan is discussed.

Action 10 – PP reported reaching out to the contracts team regarding the inclusion of non-metric PMU metering in the guidance note, but had not received a final answer, so the action remains open.

Action 11 – It was confirmed that reviewing the GC0103 legal text for alignment with GC0182 is feasible, with further details to be discussed during the implementation plan section.

Action 12 – Following a Workgroup members query about the correct referencing and coverage for embedded medium power stations. It was agreed to double-check with TJ whether the distribution code correctly passes obligations via CC and DCC.

Action 14 – PP and HG clarified that a guidance note will be issued to notify stakeholders of the upcoming Grid Code change, which will not be applied retrospectively, the action will remain open pending further review of the implementation plan.

Action 18 – The Workgroup Consultation document will be reviewed to ensure that the wording is appropriate.

Action 19 – Once the review of the Workgroup Consultation is complete this can be close if Workgroup members agree.

Action 20 – Details to be added to the Workgroup Consultation by PP for completeness.

Action 13, 15, 16, 17, 21, 22 were closed following the updates received by action owners.

Refined Implementation Plan

A series of presentation slides were shared outlining the key stages of the refined implementation plan.

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Step 1

The NESO Subject Matter Experts outlined the intention to publish a comprehensive Guidance Note on the NESO website. This document will incorporate detailed diagrams and explanatory commentary for a range of substation configurations, ensuring stakeholders are fully informed of recommended best practices in advance of the forthcoming Grid Code modification.

The representation of LV feeders and demand sites in the Guidance Note diagrams were discussed and it was agreed to consider adding demand site symbols or clarifying text to ensure all relevant scenarios are covered. **Action 23**

There was further discussion regarding whether the Electrical Standard should apply to embedded customers. It was concluded that the current Grid Code definition did not include embedded customers. An action was taken to review further. **Action 24**

A discussion took place regarding the governance of the Guidance Note, during which it was clarified that these documents are not subject to formal governance procedures and may be revised by NESO without the need for stakeholder consultation. This raised concerns about their suitability for reference within Connection Agreements. A NESO Subject Matter Expert confirmed that the Guidance Note will be temporary and replaced by a formal Electrical Standard upon Grid Code modification approval, at which point the standard will become mandatory and referenced in Connection Agreements.

Step 2

It was proposed that a link to the Guidance Note be incorporated within the Connection Agreements. However, a member of the Workgroup expressed reservations about this approach, highlighting that the Guidance Note is subject to revision without industry consultation, which could undermine its reliability as a reference within formal agreements.

The Authority Representative agreed to seek clarification regarding whether any amendments to the Connection Agreement would require formal approval from the Authority. **Action 25**

It was agreed that wording would be added to the Guidance Note regarding Ofgem potentially rejecting GC0182. **Action 26**

Additionally, concerns were expressed regarding the phrasing of section 2.2. It was agreed that this section should be amended to explicitly include both GB Code Users and EU Code Users, thereby ensuring greater clarity and inclusivity.

NESO's Subject Matter Expert agreed to clarify which date should trigger applicability (application / procurement / completion / install-upgrade). **Action 27**

Workgroup member agreed to Investigate whether polarity can be corrected via software rather than physical rewiring. **Action 28**

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NESO's Subject Matter Expert confirmed that step 2 was for reference only and agreed to take an action to determine if and how Guidance Notes have previously been referenced in Connection Agreements, and what process was followed, before deciding whether to include a Guidance Note link in new Connection Agreements. **Action 29**

Step 3

The proposed legal text for GC0182 was shared with Workgroup members. Members noted that the legal text currently refers to 'install or upgrade' dates and agreed to review whether this aligns with the Workgroups intent and to clarify the reference date in both the legal text and consultation document.

The Workgroup considered the possibility of achieving compliance with the new standard through software or logic updates instead of physical hardware changes. One member noted that, in certain instances, polarity adjustments have been implemented using software; however, it was agreed that additional technical expertise is required to fully assess this approach.

Step 4

This step would remove the Guidance Note from the website and update the Connection Agreement with a link to the new approved Electrical Standard.

Workgroup Consultation Document Review

The Workgroup reviewed the impact statement on the first page of the Consultation document and agreed that it should be simplified. The Proposer will amend the statement accordingly.

It was agreed that the "what is the solution and when will it come into effect" section of the Executive Summary would be reworded once the date logic has been agreed. **Action 30**

In response to a previous Workgroup request, NESO's Subject Matter Experts have revised sections of the Workgroup Consultation to provide greater clarity regarding the metering polarity issue. The updated text now specifies the scope of the problem, including the number of metering points affected, and emphasises that the proposed modification is intended to prevent future inconsistencies, rather than to address or rectify existing discrepancies.

The Workgroup deliberated on the appropriate way to articulate the implementation date and criteria for applicability within the Consultation document.

It was agreed that the reference date would remain unspecified for the time being, subject to further examination, to maintain alignment with the legal text and ensure overall consistency.

Action 31

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Details of interactions with other modifications were clarified in the Workgroup Consultation by NESO’s Subject Matter Expert and the relationship between the current modification and GC0103, as well as the correct referencing of related STC modifications, correcting typographical errors and ensuring accurate cross-references.

NESO’s Subject Matter Expert clarified how this modification interacts with other modification in the Workgroup Consultation, specifically outlining its connection to GC0103 and ensuring that references to related STC modifications are accurate. Additionally, typographical errors and cross-references have been corrected to enhance clarity and precision.

NESO’s Subject Matter Expert agreed to review which connection agreements would need updating after GC0182 had been implemented. **Action 32**

Details of the “Workgroup Considerations” section is to be updated to reflect previous implementation plan version for reference. **Action 33**

The Workgroup resolved or reassigned outstanding comments, agreed to circulate an updated version of the document and legal text. Workgroup members were encouraged to review and comment ahead of the next Workgroup meeting to enable finalisation.

Next Steps

The Chair clarified that the Panel did not accept the revised timeline at its previous meeting; however, it will be submitted again for consideration and approval at this month’s Grid Code Panel meeting.

It was agreed the Workgroup Consultation would be updated and be circulating along with the legal text. Workgroup members agreed to review and provide comments before the next meeting.

The Chair agreed that the Workgroup Consultation would be updated and circulated together with the revised legal text and Workgroup members committed to reviewing the materials and submitting any comments in advance of the next meeting.

Actions

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

Action Number	Workgroup Raised	Owner	Action	Due by	Status
4	WG2	TG/PP	Propose a clear and consistent implementation date for the new requirements, ensuring alignment across all relevant documents.	WG3	Open

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10	WG2	PP	Obtain and provide feedback, on the need for a guidance note on the installation of operational metering for non-participants.	WG3	Open
11	WG3	TG/HG	Review the GC0103 Legal text and determine if it can be built on for GC0182 and identify any Legal text changes needed to GC0182 to ensure alignment with GC0103.	WG4	Open
12	WG3	GV & TG	Check Legal text to confirm that obligations for Licence Exemptible Embedded Medium Power Station (LEEMPS) are correctly passed via the Distribution Code and update references if needed	WG4	Open
13	WG3	PP	Clarify whether changes to Appendix F5 templates (or other BCA appendices) sit outside of the CUSC governance process before embedding new standards.	WG4	Closed
14	WG3	PP	Clarify whether the new metering polarity standard will apply to all connection offers reissued as part of the connections reform process, or only to new offers.	WG4	Open
15	WG3	HG/PE	Upload the draft the new Electrical Standard to the collaboration space and add it as an annex in the Workgroup Consultation document.	WG4	Open
16	WG3	HG/PP	Update the Workgroup Consultation document to clearly list all affected parties, referencing GB code users, EU	WG4	Open

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			code users, LEEMPS, and Embedded Generators as appropriate.		
17	WG3	HG/RC	Clarify in the Workgroup Consultation document the practical application of the standard for new and existing connections, including completion date and upgrade scenarios.	WG4	Open
18	WG3	TG	Reword the “What is the issue” and “Why change” sections in the Workgroup Consultation document to accurately reflect the operational challenges and avoid overstating the issue.	WG4	Open
19	WG3	PP/HG	Clarify the impact of the Modification on Interconnectors in the Workgroup Consultation document, specifying whether and how they benefit or are affected.	WG4	Open
20	WG3	PP	Reference and clarify in the Workgroup consultation document how forecasting inaccuracies are a defect being addressed by the Modification.	WG4	Open
21	WG3	TG	Elaborate in the Workgroup Consultation document why engagement with Network Operators was or was not required, given reliance on their data.	WG4	Open
22	WG3	PP/HG	Add examples in the Workgroup Consultation document of operational metering data flows	WG4	Closed

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			from network operators to NESO, especially where Network Operators are involved.		
23	WG4	HG/RC	Add embedded demand representation or clarify diagram limitations	WG5	New
24	WG4	PP/HG	It was concluded that the current Grid Code definition did not include embedded customers. An action was taken to review further	WG5	New
25	WG4	CW	The Authority Representative agreed to seek clarification regarding whether any amendments to the Connection Agreement would require formal approval from the Authority	WG5	New
26	WG4	RC	Add wording to guidance note about Ofgem potentially rejecting GC0182	WG5	New
27	WG4	CW	The Authority Representative agreed to seek clarification regarding whether any amendments to the Connection Agreement would require formal approval from the Authority	WG5	New
28	WG4	ALL	Clarify which date should trigger applicability (application / procurement / completion / install-upgrade	WG5	New
29	WG4	HG	ESO SME agreed to take an action to determine if and how guidance notes have previously been referenced in Connection	WG5	New

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			Agreements, and what process was followed, before deciding whether to include a guidance note link in new agreements		
30	WG4	HG	Reword “when solution comes into effect” once date logic is agreed	WG4	New
31	WG4	HG	Ensure consistency between legal text and consultation doc re: implementation trigger date	WG4	New
32	WG4	PP	Confirm which connection agreements need updating after implementation		
33	WG4	TG	Confirm previous implementation plan versions are adequately reflected in Workgroup Considerations	WG4	New

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
Aggie Gwozdz	AG	NESO	Observer
Andrew Allan	AA	RWE	Workgroup Member
Andrew Hood	AH	NGED	Workgroup Member
Andrew Urquhart	AU	SSE	Workgroup Member
Calum Watkins	CW	Ofgem	Authority Representative
Elena Fry	EF	NESO	Observer

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Graeme Vincent	GV	SP Transmission	Workgroup Member Alternate
Hao Guo	HG	NESO	NESO Representative
Harry Burns	HB	EDF	Workgroup Member
Nina Sanghera	NS	DRAX	Workgroup Member Alternate
Roger Carter	RC	Transmission Investment	Workgroup Member
Rebecca Coan	RC	NESO	Observer