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Code Administrator Meeting

Summary

Workgroup Meeting 2: Metering Polarity

Date: 20 October 2025

Contact Details

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

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

Key areas of discussion

The Chair outlined the agenda of the meeting, which included an update of the Actions, Proposer's solution, and Legal Text.

Actions

Actions 1, 2 and 3 were closed.

Action 1 – the Proposer advised the implementation date is from 1st November 2026. Metering Points of New Connections whose connection application is submitted on and after 1st November 2026. New Metering Points installed in existing sites on and after 1st November 2026.

Workgroup comments:

- will connection reform process will have any bearing on implementation dates. For example, single site parties who have submitted their applications before the gate closed, will they be considered prior to this as opposed to reallocation. The Proposer responded they would need to consider further where the benchmark it. **(Action 4)**
- Consideration of the mechanism and how implementation would work was needed.
- A Workgroup member advised they were not supportive of the implementation dates as they believed these were tight.
- A Workgroup member suggested an amendment to the wording should be 'connection from 2027' and not 'connection application' as there will be projects who already have their connection dates far in the future. The SME and Workgroup members agreed this needed amended.

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Action 2 – The Proposer confirmed an STC Modification Proposal CM0105 has been raised to include TO's and OFTO's within the scope of GC0182. This will be presented to the STC Panel on 29 October for their recommendation on governance route.

Workgroup members discussed parties' involvement within GC0182 and a need for a guidance note for the installation of operating metering for non-participants. The SME confirmed they would consider further offline. **(Action 10)**

Action 3 – The final metering polarity diagram was uploaded to the Collaboration Space.

A Workgroup member required clarification noting that directly connected battery energy storage system (BESS), the polarity is opposite to what would normally be seen on the COP or tariff meters i.e. import is positive and export is negative.

An SME advised they had discussed the diagram with Elexon and it was in line with positive towards the transmission system but will double check with them.

Proposers Presentation

The Proposers slide can be viewed [here](#).

The Proposer advised:

- Power Flow Metering Polarity: Applicable to all industry stakeholders.
- Grid Code: Only applicable to Users.
- STC and STCP Modifications raised for TOs and OFTOs with the same implementation date as GC0182. An STC Panel member will be part of CM0105 Workgroups.
- Metering Points:
 - New Connections from 1st November 2026 must follow the Power Flow Metering Polarity standard.
 - New Metering Points in existing sites from 1st November 2026 must follow the Power Flow Metering Polarity standard.
- STC Implementation: Aim for the same technical diagram and legal text as the Grid Code.

Workgroup comments:

- In what capacity will an STC Panel member be joining the Workgroup. The Proposer will feedback following the STC Panel **(Action 8)**.

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- TO's do not make connections to the networks, they build their own. There will not be connection applications associated with TOs. The Proposer responded they will reconsider their terminology.

Legal Text

Grid Code Proposed Legal Text

An SME took the Workgroup through the proposed changes.

Discussions arising from that:

- Whether changes to metering standards should be implemented solely via the BCA referencing the general conditions, or if changes to CCs/ECCs are also needed. It was advocated for a streamlined approach using only the BCA and general conditions to avoid confusion and conflicting obligations. **(Action 5)**
- Concerns were raised about potential nuances, such as whether a new BCA is required when an embedded generator becomes a BM participant or when operational metering is changed, and if the BCA would bind users to the latest standards.
- It was clarified that a new BCA would impose obligations on users who did not previously have an agreement, and that site-specific requirements can be managed via contract appendices until grid code changes are finalised.
- The Workgroup agreed that the BCA binds the customer to the grid code, and referencing specific standards in the BCA should be avoided to prevent conflicting instructions. **(Action 6&7)**

AOB

A Workgroup member queried whether the implementation of the metering polarity standard is as simple as choosing which way to connect two wires and asked about the difficulty of making such changes during a project. The Proposer responded that it is generally straightforward to implement when installing or replacing the meter, but making changes after commissioning is much more challenging and costly.

Workgroup members discussed offshore sites, changing connections after commissioning could cost tens or hundreds of thousands of pounds, highlighting the significant impact of late changes. Costs arise because once a site is

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commissioned and operational, modifying the outflow contract and physical setup becomes expensive.

The Proposer alternative agreed to take an action to gather more information on the practicalities and costs of changing wire connections for metering polarity
(Action 9)

Next Steps

- Technical Secretary to circulate link to Collaboration Space.
- Chair, Proposer and SMEs to update Workgroup Consultation.

Actions

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

Action Number Raised	Workgroup	Owner	Action	Due by	Status
1	WG1	HG	Update the Workgroup on a proposed implementation date for the new metering polarity standard for consideration at the next workgroup meeting.	WG2	Closed
2	WG1	HG/PP	Clarify in writing whether TOS and OFTOs are included in the scope of the modification and, if so, highlight the consequent issues for the STC for workgroup consideration.	WG2	Closed

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3	WG1	RC	Share the latest version of the metering polarity diagram	WG2	Closed
			Propose a clear and consistent implementation date for the new requirements, ensuring alignment across all relevant documents.	WG3	Open
4	WG2	TG/PP	Review and suggest a streamlined approach for implementing compliance via the BCA, considering whether to use only the electrical standards and BCA or also include CCs/ECCs,	WG3	Open
5	WG2	TG/PP	Update the Legal Text as discussed, including clarifying references to operational notifications	WG3	Open
6	WG2	HG	Confirm the relevant section of the ECC refers specifically to limited operation notification (LON) or applies more broadly, to ensure the legal text aligns with the	WG3	Open
7	WG2	AG/HG			

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			correct operational notification sequence (EON, ION, LON).		
8	WG2	TG	Confirm in what capacity STC Panel member joining the Workgroup	WG3	Open
9	WG2	TG	Find out the technical difficulty of implementing the changes, i.e. is it a matter of connecting 2 wires one way or the other upon installing a meter.	WG3	Open
10	WG2	PP	Consider, the need for a guidance note on the installation of operational metering for non-participants.	WG3	Open

Attendees

Name	Initial	Company	Role
Prisca Evans	PE	NESO	Chair
Tammy Meek	TM	NESO	Technical Secretary
Thomas Gross	TG	NESO	Proposer
Pritesh Patel	PP	NESO	Proposer Alternate
Aggie Gwozdz	AG	NESO	Observer
Aman Sharma	AS	NESO	Observer

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Alan Creighton	ACr	Northern Powergrid	Workgroup Member
Andrew Allan	AA	RWE	Workgroup Member
Andrew Urquhart	AU	SSE	Workgroup Member
Elena Fry	EF	NESO	Observer
Graeme Vincent	GV	SP Transmission	Workgroup Member Alternate
Hao Guo	HG	NESO	NESO Representative
Harry Burns	HB	EDF	Workgroup Member
Jarle Nedkvitne	JN	Orsted	Workgroup Member
Paul Drew	PD	Ofgem	Authority Representative
Rebecca Coan	RC	NESO	Observer
Roger Carter	RC	Transmission Investment	Workgroup Member