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Code Administrator Meeting

Summary

Workgroup Meeting 8: GC0182 Standardisation of Power Flow Metering Polarity

Date: 06 August 2026

Contact Details

Chair: Ren Walker, Lurrentia.Walker@neso.energy

Proposer: Thomas Goss, Thomas.goss2@neso.energy

Key areas of discussion

The agenda presented by the Chair included review of the following:

- Actions log
- Workgroup Consultation response review
- Legal Text Review
- Review Terms of Reference
- AOB and Next Steps

Actions Log

The Workgroup agreed that actions 46 – 49 could be closed.

Action 50: The NESO SME provided an update on Action 50, noting ongoing discussions with National Grid and Orsted regarding guidance notes and future changes. The Workgroup clarified that the modification would apply prospectively to new connections only, and that wider industry communication would be issued through an open letter following approval. The Workgroup agreed for the action to remain open.

Clarification of Prospective vs Retrospective Application: Workgroup members raised concerns about public and media misunderstanding regarding the scope of the modification, particularly the illustrative £100 million figure. The Proposer and NEOS SME clarified that the modification is prospective only, and the Workgroup agreed to take an action to ensure this is clearly communicated in reports and publications.

Workgroup Consultation Response Review

The Workgroup reviewed Workgroup Consultation responses and draft legal text, including Northern Powergrid's comments on operational metering polarity checks. The Proposer and NESO Representative confirmed these checks would be incorporated within the compliance process and that no changes were required to the ECPs or CPs, as the checks are already covered

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through the ONCC process. The Workgroup also discussed the application of the modification and agreed further actions to refine the legal text and related standards.

Legal Text Review

The Workgroup held a review of the draft legal text for GC0182. The Workgroup discussed the need to align legal text across the Grid Code, CC, and ECC, particularly in light of GC0103, and reviewed scenarios for GB and EU Code Users regarding when the new standard would apply, when mutual agreement would be sought, and when there would be no obligation.

The Workgroup had an in-depth discussion about the definitions of 'modification', 'upgrade', and 'operational metering equipment', with Workgroup Members debating whether metering is included in 'apparatus' and how to ensure clarity in the legal text. The Workgroup agreed to review the terminology and consider whether new definitions or clarifications are needed.

The Workgroup examined the legal text provisions for cases where mutual agreement is required, particularly for users with existing agreements or those completing works within the 18-month window and agreed to review and potentially revise the text to ensure it accurately reflects the intended process. It was agreed that the Proposer and NESO SMEs would take away the feedback and return with updated legal text and clarifications at the next Workgroup meeting.

Review Terms of Reference

The Workgroup will review the Terms of Reference at the next Workgroup meeting.

AOB

Media Coverage and Technical Clarifications

Workgroup members discussed the impact of recent newspaper articles on public and stakeholder perceptions, emphasising the need for clear communication in reports about the actual costs and scope of the modification. The Proposer confirmed to the Workgroup that the media queries had been responded to.

A Workgroup member raised a point about the clarity of the standard regarding reactive power flow conventions, and the Workgroup discussed the potential benefit of including illustrative examples in the report to aid understanding. The NEOS SME agreed to review this request internally.

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A Workgroup member suggested reviewing the use of terms such as 'operational metering' in the standard to ensure consistency with the legal text and the Workgroup's discussions. The NESO SME took this as an action.

Next Steps

The Workgroup agreed for two further Workgroup meetings to finalise the legal text, review the Workgroup report, review the Terms of Reference, and address outstanding actions.

Actions

Action Number	Workgroup Raised	Owner	Action	Due by	Status
50	WG7	PP	To investigate the appropriate approach and permissions for contacting affected parties about metering polarity issues, including how to communicate relevant guidance and potential impacts.	WG9	Open
51	WG8	All	Clarification of Prospective vs Retrospective Application and Media Figures: Ensure the work group report and wider publication clearly state that the proposal is prospective only, not retrospective, and clarify the illustrative nature of the £100 million figure in light of recent media reports.	WG10	Open
52	WG8	TG/HG	Legal Text Review and Mutual Agreement Scenarios: Review and update the legal text to clarify scenarios requiring mutual agreement, including the use of terms such as "modification" and	WG9	Open

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			"upgrade", and ensure alignment with the correct definitions and obligations for GB and EC code users.		
53	WG8	TG/HG	Legal Text Terminology Consistency: Review the use of the term "operational metering equipment" in the legal text and the proposed standard, ensuring consistency and appropriateness in light of the discussion on whether signals originate from metering or measurement equipment.	WG9	Open
54	WG8	TG/HG	Inclusion of Metering Polarity Standard in Report Annex: Include the latest version of the metering polarity convention electrical standard as an annex to the work group report and code consultation documents for transparency.	WG9	Open
55	WG8	RW	Clarification of Terms of Reference for Modification	WG9	Open

Name	Initial	Company	Role
Ren Walker	RW	NESO	Chair
Andrew Hemus	AH	NESO	Technical Secretary
Thomas Goss	TG	NESO	Proposer

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Alan Convery	AC	SP Transmission	Workgroup member
Alan Creighton	AU	Northern Powergrid	Workgroup member
Calum Watkins	CW	Ofgem	Authority Representative
Garth Graham	GG	SSE Generation	Workgroup member alternate
Graeme Vincent	GV	SP Transmission	Workgroup member
Hao Guo	HG	NESO	NESO Representative
Pritesh Patel	PP	NESO	NESO Representative
Paul Youngman	PY	DRAX	Workgroup member
Roger Carter	RC	Transmission Investment	Workgroup member
Tim Ellingham	TE	RWE	Workgroup member alternate