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Code Administrator Meeting

Summary

Workgroup Meeting 26

GC0155 'Clarification of Fault Ride Through Technical Requirements'

Date: 23 June 2026

Contact Details

Chair: Ren Walker, lurrentia.walker@neso.energy

Proposer: Bieshoy Awad, bieshoy.awad@neso.energy

Key areas of discussion

The meeting focused on recapping progress and reviewing proposed updates to the Legal text.

Recap of GC0155 Progress and Panel Update

The Chair recapped the status of GC0155, noting that the Grid Code Review Panel approved the modification to proceed with Limited Workgroup Membership, and NESO summarised recent progress and outstanding issues.

- **Panel Approval and Membership:** The Chair informed the Workgroup that the Grid Code Review Panel agreed for GC0155 to proceed with Limited Workgroup Membership, requiring only three members for quorum, to address previous blockers in progressing the modification.
- **Outstanding Issues and Decisions:** NESO summarised that previous discussions focused on active power requirements, metering, and qualitative Legal text regarding overvoltage performance, with the Workgroup deciding not to pursue certain aspects further and to seek industry feedback on whether some proposals are clarifications or new requirements.
- **Document Rewriting and Readability:** NESO explained that the Workgroup Report was rewritten for clarity, consolidating content and removing outdated comments, with the aim of making the document more accessible for review and Workgroup Consultation.

Review of Action Log

The Chair led the Workgroup in reviewing the action log, confirming that actions proposed for closure as detailed in the slidepack would be closed and new actions from the meeting would be added to the action log and circulated.

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Review of Draft Legal Text

The Proposer led a detailed review of the updated Legal text, focusing on clarifications, terminology, and the implications of proposed changes, with several actions identified for further refinement.

- Clarification of Reactive Current Requirements:** The Workgroup discussed the wording around reactive current injection during faults, debating whether terms like 'maximum' or 'additional' reactive current should be used, and agreed that the Proposer would reflect on alternative wording to avoid misinterpretation and ensure clarity.
- Post-Fault Voltage Control and New Requirements:** Workgroup members, Members, raised concerns that new wording on post-fault voltage control could introduce new requirements rather than clarifications, especially for power park modules, and agreed to include specific consultation questions to gather industry feedback.
- Exemptions and Bilateral Agreements:** The Workgroup reviewed the handling of exemptions, especially for DC-connected offshore wind farms and synchronous machines and clarified that exclusions would be managed via bilateral agreements where necessary, with the intention to avoid retrospective compliance burdens.
- Consistency and Terminology:** The Proposer requested that the Workgroup focus on consistency of terminology and references in the Legal text, asking for specific feedback on unclear or incorrect references in addition to high-level conceptual comments.
- Discussion on Positive Sequence and Fault Ride Through Simulation:** The Workgroup and Proposer discussed the removal of references to positive sequence in the fast fault current injection requirements, debating the technical implications and agreeing to clarify the intended meaning and simulation requirements.
- Positive Sequence Reference Removal:** The Workgroup debated whether removing references to positive sequence voltage in the requirements was appropriate, with several Workgroup members highlighting the importance of specifying whether requirements apply to positive sequence, RMS, or individual phase voltages, especially for unbalanced faults.
- Simulation and Compliance Assessment:** The Workgroup discussed how compliance simulations should be conducted for unbalanced faults, agreeing that further clarification is needed on what constitutes the retained voltage and how to interpret requirements for different fault types.

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Timeline Update

The Chair outlined that, following the next two meetings, the aim would be to present to the Grid Code Review Panel in September for approval (*which is required for a limited Workgroup*) to proceed to Workgroup Consultation, with the Workgroup Consultation expected to be published around September or early October.

Next Steps

Workgroup members were asked to review the Workgroup Consultation document and Legal text, consider Workgroup Consultation questions, and confirm their availability for the next meeting.

Actions

Action Number Raised	Workgroup	Owner	Action	Due by	Status
66	WG16	All	Provide feedback on the Issues with the current requirements and validate that these points are correct.	WG24	Closed
73	WG23	ALL	Review Workgroup Consultation document. Build in comments and amendments not limited to NESO implementation costs, fault injection requirement in CC and fault current injection under unbalanced faults.	WG24	Open
77	WG23	ALL	Review updated Legal Text.	WG24	Closed
78	WG24	BA	Update the GC0155 Proposal Form to clearly reflect the current scope, removing any references to GC178, and circulate the revised document to the Workgroup for review.	WG25	Closed
79	WG24	BA/RW	Add an additional section to the Workgroup Consultation document to accurately	WG25	Closed

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			document the differing viewpoints and discussions from Workgroup 24 and then circulate to the Workgroup for input and review.		
80	WG24	BA/RW	Incorporate updates to the Workgroup Consultation document, including the revised Proposal Form, Legal text, and a paragraph clarifying the handling of the Terms of Reference item regarding overvoltage's and then circulate the updated draft for review at the next meeting.	WG25	Closed
82	WG25	BA	Revise the legal text to address missing or unclear wording, particularly regarding the retained voltage and exclusions.	WG26	Closed
83	WG25	BA	Exclusion Clause Redundancy: Review and determine whether to keep, update, or remove the redundant exclusion clauses in the Legal text, ensuring only necessary text remains.	WG26	Closed
84	WG25	BA	Unbalanced Faults Definition: Clarify in the compliance process documentation whether retained voltage for unbalanced faults refers to positive sequence voltage or the voltage of the faulted phase.	WG26	Closed
85	WG25	BA	Threshold for Fault Ride Through Exclusion: Investigate the rationale behind the 5% threshold for fault ride through exclusion	WG26	Closed

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			and consider if an alternative exclusion based on MW level would be more appropriate.		
86	WG25	RW	Add a reference in the Workgroup Consultation document explaining how very low output is defined and how exclusions are applied, as discussed in the meeting.	WG26	Closed
87	WG26	BA	Reconsider the wording around “maximum reactive current”, including whether terms such as “additional reactive current” would better reflect the intent and avoid misinterpretation.	WG27	New
88	WG26	BA	Review the post-fault overvoltage wording and consider alternative drafting focused on the removal of fault current injection once voltage recovers and transition back to normal voltage control.	WG27	New
89	WG26	GL/RW	Add an additional consultation question asking whether the proposed reactive current injection clarification could be perceived as a new requirement rather than a clarification	WG27	New
90	WG26	GL	Clarify the issue regarding references to positive sequence voltage and the proposed amendments to the fault current injection text before bringing it back to the Workgroup.	WG27	New

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91	WG26	BA	Review concerns raised regarding the treatment of positive sequence voltage versus phase voltage for unbalanced fault simulations and compliance requirements.	WG27	New
92	WG26	BA	Circulate a further revision of the Legal text and requested all workgroup members to review the document for terminology consistency, clarity of references, and drafting accuracy, not just policy issues.	WG27	New

Attendees

Name	Initial	Company	Role
Ren Walker	RW	Code Administrator, NESO	Chair
Andrew Hemus	AH	Code Administrator, NESO	Tec Sec
Bieshoy Awad	BA	NESO	Proposer
Andrew Allan	AA	RWE Generation UK, RWE Renewables	Observer
Fraser Norris	FN	SSE	Workgroup Member
Graham Lear	GL	NESO	NESO Representative
John Fradley	JF	NESO	Observer
Martin Aten	MA	Uniper	Workgroup Member Alternate
Michail Theodoridis	MT	Vestas	Observer
Nicola Barberis Negra	NN	Orsted	Workgroup Member
Owen Curran	OC	Siemens	Workgroup Member
Sigrid Bolik	SB	Siemens	Observer