Grid Code Development Forum

06 May 2026

NESO
National Energy System Operator

Agenda

1	Introduction, meeting objectives and review of previous actions - **Claire Newton, NESO**
2	Code Administrator Update – **Kat Higby, NESO (Code Administrator)**
3	Generator Synchronisation delays **– Simon Wilson, CWP Energy**
4	Update on Guidance Notes – **Amanda Rooney & Mohamed Fawzy, NESO**
5	AOB and Meeting Close - **Claire Newton, NESO**

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GCDF – Objectives and Expectations

Objective
Develop ideas, understand impacts to industry and modification content discussion, in relation to Grid Code related issues.
Anyone can bring an agenda item (not just NESO!)

Expectations
Explain acronyms and context of the update or change
Be respectful of each other's opinions and polite when providing feedback and asking questions
Contribute to the discussion
Language and Conduct to be consistent with the values of equality and diversity
Keep to agreed scope

The Forum will be recorded and made available on the GCDF webpage along with summary notes.

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Code Administrator Update

Kat Higby, NESO (Code Administrator)

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Key Updates Since Last GCDF

New Modifications

GC0187: Grid Code Legal Text Corrections 2026

Decisions

GC0169: Material changes arising from Grid Code Modification GC0136 - On 22 April 2026 the Authority approved the original solution.

GC0173: Consistency of Technical and Compliance Requirements between GB and European Users - On 20 April 2026 the Authority approved the original solution.

Implementations

GC0169: Material changes arising from Grid Code Modification GC0136 – Implementation date 07 May 2026.

GC0173: Consistency of Technical and Compliance Requirements between GB and European Users - Implementation date 05 May 2026.

Key Consultations

Workgroup Consultations	GC0182: Standardisation of Power Flow Metering Polarity - Workgroup Consultation from 13 April to 11 May
Code Administrator Consultations	GC0168: Submission of Electromagnetic Transient (EMT) Models - Code Administrator Consultation from 05 May to 08 June
Appeals Window	GC0187: Grid Code Legal Text Corrections 2026 - Appeals Window from 27 April 2026 to 20 May 2026

Useful Links

Ofgem's expected decision dates/ date they intend to publish an impact assessment or consultation, for code modifications that are with them for decision are available here

Updates on all Modifications are available on the Modification Tracker here

The latest Grid Code Review Panel Headline Report and prioritisation stack are available here

If you would like to receive updates from the Code Administrator on Grid Code modifications, please join the distribution list here

CWP Energy

User presentation on Generator Synchronisation delays

Generator Synchronisation delays

- Generator synchronisation is being delayed by up to 3 months after connection
- Procedures across CUSC, GC, BSC and NESO ahead of energisation
- Complicated processes not aligned to commissioning programmes
- Changes being made without consultation
- Users unable to mitigate

My contract

- NESO Connection agreement issued under CUSC
  - TEC, technology
  - Connection date
  - Construction agreement
  - Technical reqs from Grid Code
  - Charges Security/Rent
- Grid Code –Connection Conditions, Compliance Procs
- CUSC – right to be connected, BM, services
- BSC – settlement, BMU Reg

Not my contract

- STC – TO support for connections, Commissioning procs
  - ICCP data links
  - HVSCC
- NESO procs
  - BMU Reg
  - Ops Metering

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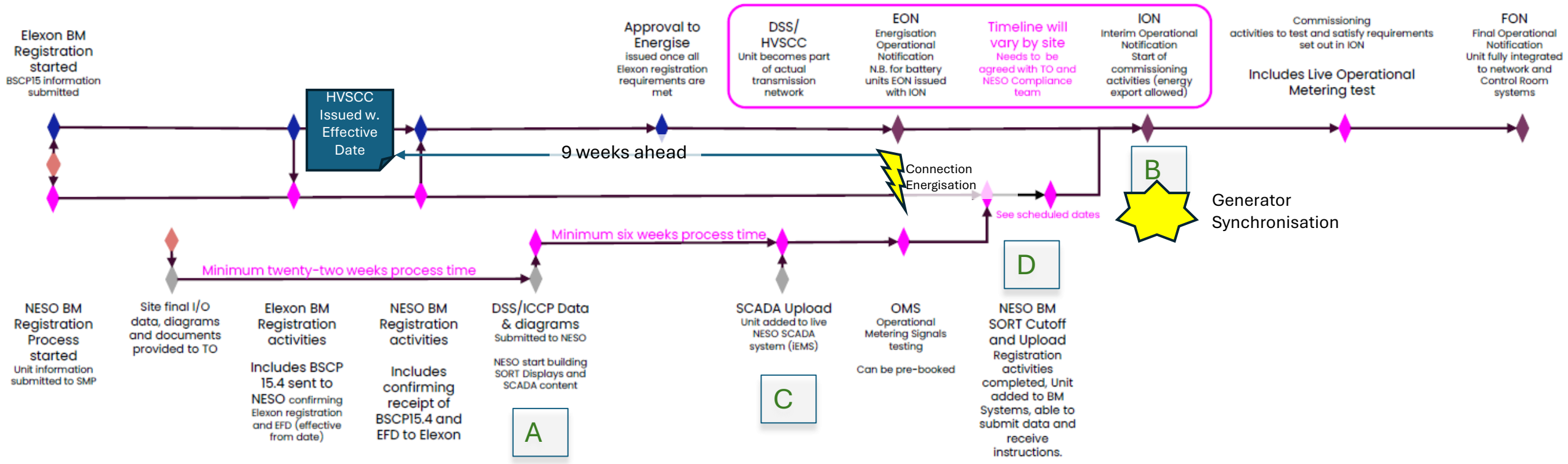
12 GW connections pa
*12GW *3/12*30%*8760 =* ***8 TWh loss***

2.5% of annual consumption
320 TWh, £640m @ £80

Public

UPDATED slide

Overview of route to SORT Upload and beyond for units directly connected to the transmission network



Key to activity owner	
Transmission Owner (TO)	
Customer	
NESO Compliance	
NESO Systems Change	
Elexon	

For unit/site delivery plans to achieve their preferred SORT Upload the developer needs to ensure the project timeline includes the necessary lead time to meet all the requirements for Elexon, Transmission Owner, NESO Compliance team and NESO Registrations team. Typically, you should ensure initial discussions take place 12-18 months before the intended energisation date to confirm responsibilities and deliverables.

- The graphic is intended to show dependencies (solid arrows) between activities and does not otherwise represent the alignment or timing of activities.
- Not all detailed activities/deliverables in compliance and registration processes are shown

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Public

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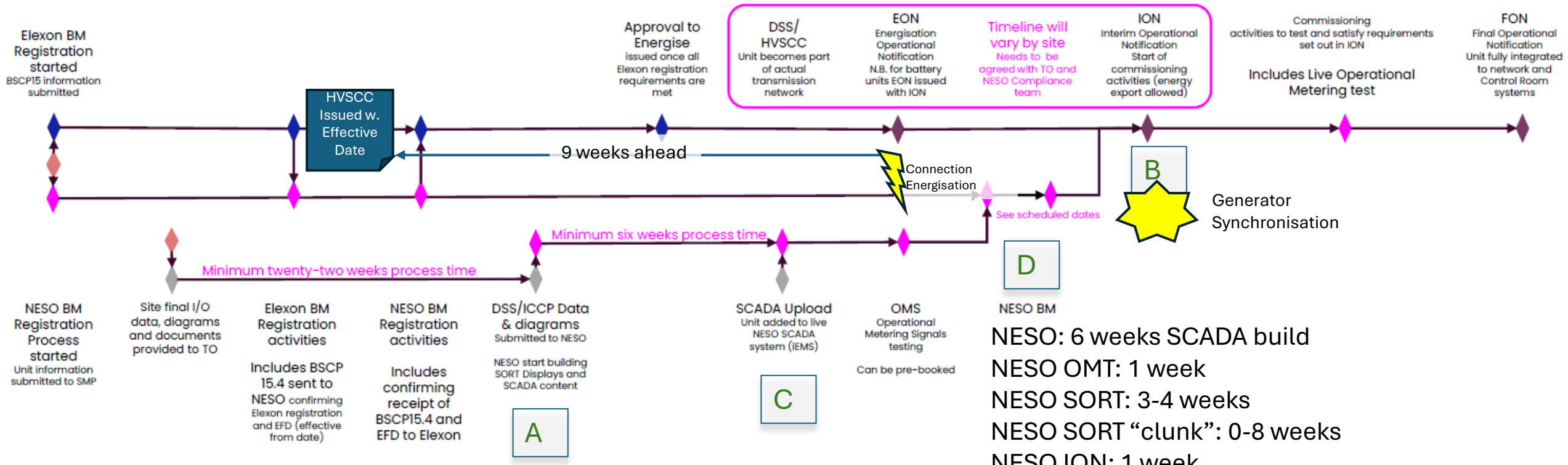

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NESO: 6 weeks SCADA build
NESO OMT: 1 week
NESO SORT: 3-4 weeks
NESO SORT "clunk": 0-8 weeks
NESO ION: 1 week
Synchronisation is 12-20 weeks after ICCP links

But ICCP links released only 6 weeks ahead of connection!

And now NESO making HVSCC EFD a requirement for SCADA Upload, OMT and SORT!

Public

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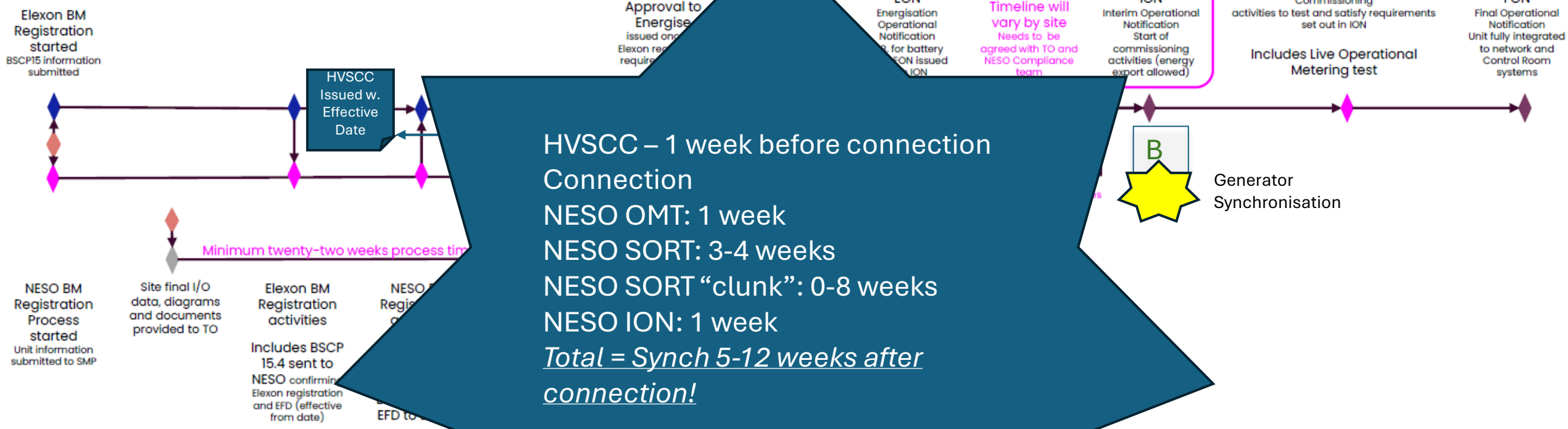

HVSCC – 1 week before connection Connection
NESO OMT: 1 week
NESO SORT: 3-4 weeks
NESO SORT "clunk": 0-8 weeks
NESO ION: 1 week
Total = Synch 5-12 weeks after connection!

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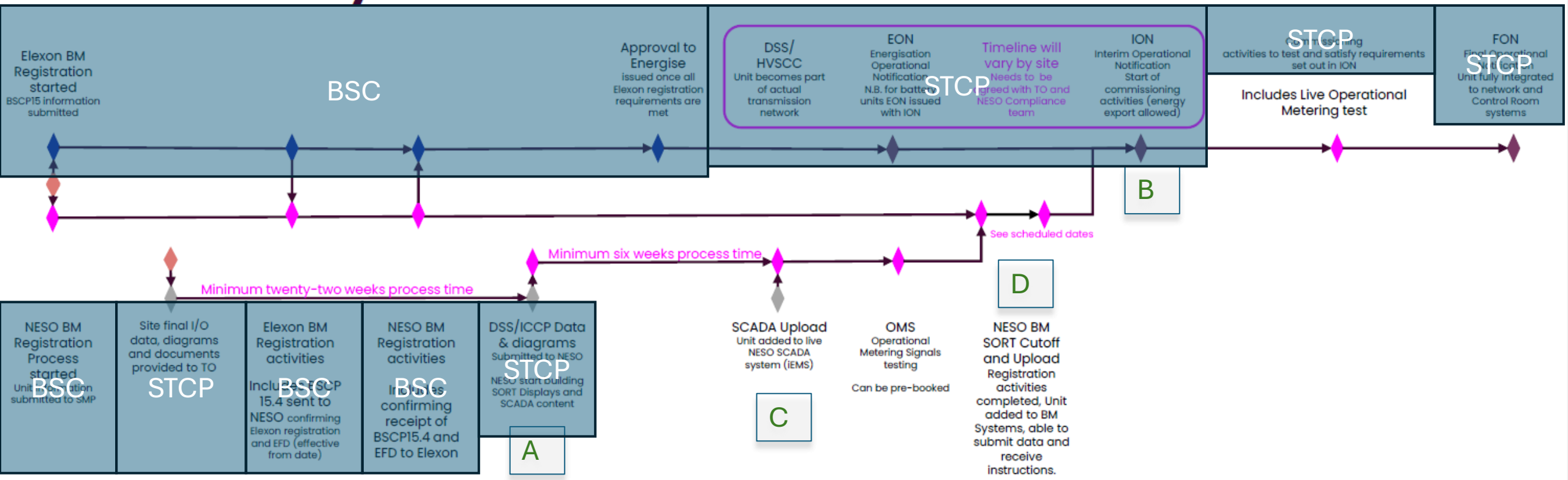

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Our aims

- Earliest possible synchronisation (consumer benefit)
- Alignment with User Commissioning Programme
- Rendezvous at Connection Date

- Codify in CUSC to ensure managed change process
- Will you be synchronising? Group letter – support?
- simon.wilson@cwpenergy.uk

Thanks

Invenergy

natural power

MUIRHALL ENERGY

CWP Energy

Fred. Olsen Renewables

Update on Guidance Notes

Amanda Rooney & Mohamed Fawzy, NESO

Background

We came to GCDF in February to announce we intended to systematically overhaul the Grid Code Guidance Documents which NESO produces.

We're here to show you some of our first efforts and discuss feedback mechanisms.

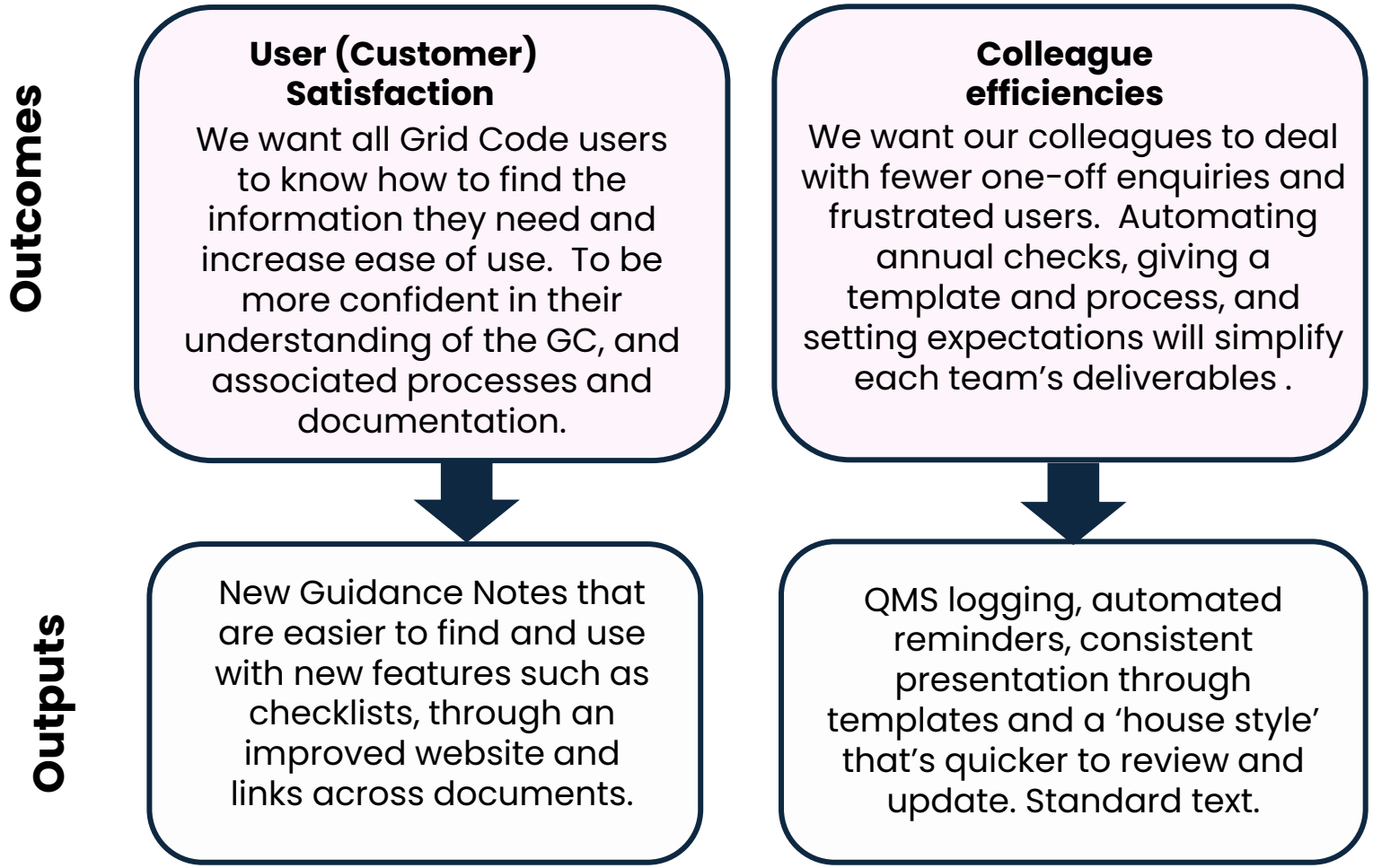
Issues identified by Users:

Stakeholder's frustrations included a lack of clear ownership, version control, and governance, lack of support and co-ordination, no formal governance procedures in place, changeable.

Also to note: Internal drafters and responsible staff report the update process is administratively burdensome, unclear, and the update request system is unclear.

Reminder- Desired Future Position

We are engaging across teams that operationalise and support the Grid Code.



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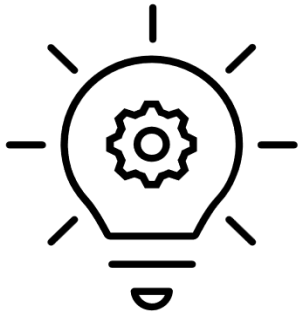
New EC Guidance

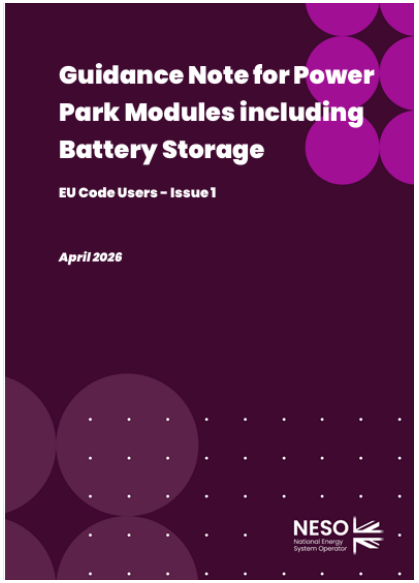
Guidance Note for Power Park Modules including Battery Storage

This document is the first of the fully reformed Guidance Notes.
It includes all the elements we aspired to, including:

Structural & Readability Improvements

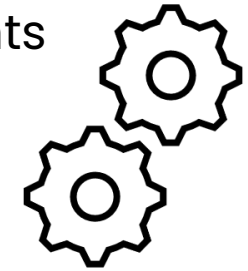


- Visual Identity
- Professional Formatting
- Executive Summary
- Purpose, Scope & Navigation
- Merging multiple documents



Technical Sections Enhancements

- Technical requirements
- Simulation Studies
- Compliance Testing
- Checklists



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Current Position:

Summary of the updates:

- **Key updates to existing sections:**
  - Visual identity aligned with NESO branding for consistent tables, figures, and diagrams.
  - Formatting and usability enhancements, including lists of tables and figures, cross-referenced appendices, and an “Important Links” section.

- **New sections introduced:**
  - Executive Summary outlining the document scope, intended audience, and key changes.
  - Purpose, Scope and Navigation, including a quick navigation guide.
  - Special requirements for specific PPM types, including:
    - BESS requirements.
    - Offshore PPM requirements.
    - Staged connection requirements.
  - Included for the first time, **Simulation Studies Checklists**.

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Current Position:

- **Key updates to Compliance topics :**

Increased focus on critical unclear elements that frequently casing confusion with clearer summaries of requirements and evidence expectations.

General Compliance Procedures: These sections remain largely unchanged from the previous version, are well understood by customers, present no known conflicts, and reflect established industry practice.

Technical Content: These sections have been updated to improve clarity and usability and to align fully with the agreed **Simulation Studies Checklists**. The content reflects the outcomes of the February **workshop** and is consistent with current industry practice.

The document has been reviewed by NESO subject matter experts, including the Engineering Compliance, Codes, and Technical Policy teams, to ensure technical robustness, clarity, and practical applicability, and alignment with wider policy and governance.

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Next Steps: Feedback & Continuous Improvement

- NESO values customer **feedback** and applies a continuous improvement approach to its guidance.
- This document is published as an **initial interim release** and will remain live for **three months (Aug 2026).**
- During this period, **feedback will be gathered** through practical use and stakeholder and industry review.
- The previous version **will remain available** on the NESO website for reference.
- Feedback and suggestions should be submitted via:

box.ec.queries@neso.energy

- After three months, NESO will initiate **a review to address feedback** received and publish an updated version.
- The updated document **will replace existing similar guidance** and be subject to an annual review cycle, ensuring continuous improvement while maintaining a stable reference for users.

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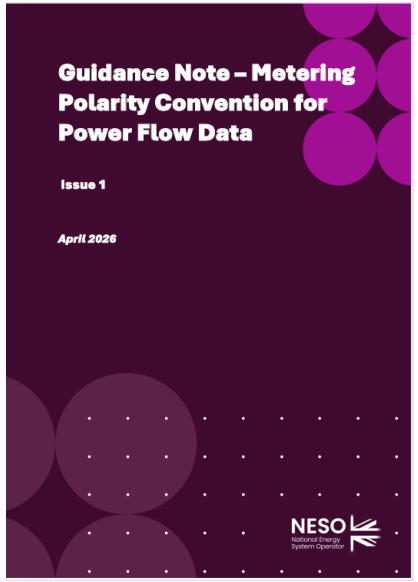
We have other new documents

Please also see:

https://www.neso.energy/industry-information/codes/grid-code-gc/grid-code-documents

Please send feedback to:
opsmetering@neso.energy



Data Validation, Consistency

& Defaulting Rules

IS/24.12.0003

ISSUE 10, Draft 5, 21 January 2026

Please send feedback to:
bernie.dolan@neso.energy

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Updates to our Why and How

ERIC Element	How Guidance Note Standardisation fits.
Easy to Work With	We want all Grid Code Users to be able to work with us easily and efficiently.
Reliable	We want to be the people Users (customers) turn to for queries, based on quality outputs.
Impartial	We want our advice to aid in the removal of barriers to entry and increase efficiency.
Credible	We want all documents to be right, all the time.

Standardization

- All documents to use NESO branding.
- Standard version control, a contact .box / team.
- All documents to note the relevant section of the Grid Code they refer to.
- All documents to contain standard disclaimer.

Process

- Each document to be entered in the Quality Management System (QMS) to automate the annual checking of documents, and maintain log of document owners.
- Support and templates for responsible teams.

Website

- Provide one NESO page for all documents.
- Expand the title to provide more information and ease searching.
- Link to the online Grid Code (later stage change).

Publication

- Explore the role of Grid Code Panel/ other body in the introduction of new Guidance, removal of redundant documents, changes impacting operations and processes.
- Publicise the publishing of new documents better and invite feedback.

Next Steps

- The NESO website is having a full revamp. You will see bigger changes from the Summer.
- We will be requesting your feedback on new documents as they come online. We welcome feedback on the overall system of Guidance Notes NESO maintains. We will do more to ‘advertise’ new Guidance Notes via the GC Panel papers and make them more prominent on the website.
- More teams are using the Template for updates and revamps of their Guidance Notes.
- We will **in due course**, move beyond the Grid Code!

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The Electrical Standards and Governance

- Electrical Standards are detailed in the General Conditions of the Grid Code.
- A modification updating the Tables is going to GCRP in May (the resultant changes from the implementation of GC0103), minor corrections.
- The governance at present is that documents are approved by GCRP. We are concerned this makes the process cumbersome and the list has not been refreshed in some time. We welcome views on how the Electrical Standards are working for Users.

Thank You

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AOB