Public

GC0182: Metering Polarity

Workgroup 2, 20 October 2025

Online Meeting via Teams

NESO
National Energy System Operator

WELCOME

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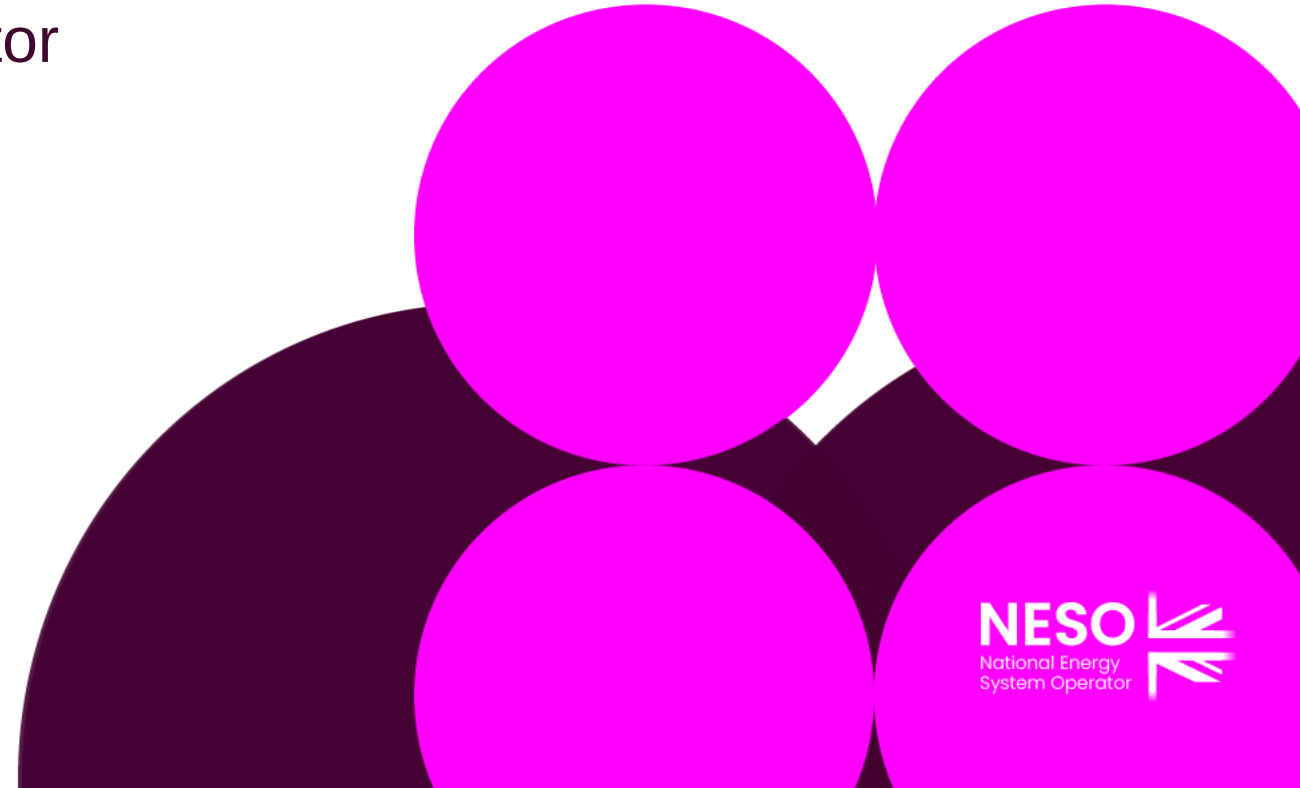
Agenda

Topics to be discussed	Lead
Introductions	Chair
Objectives and Timeline	Chair
Actions Log Review	Chair
Proposer presentation • STC Consequential Modification • Implementation	Proposer
Legal Text Update	NESO Representative
Any Other Business • Collaboration Space Access	Chair
Next Steps	Chair

Workgroup Responsibilities and Membership

Prisca Evans – NESO Code Administrator



Expectations of a Workgroup Member

- Contribute to the discussion
- Be respectful of each other's opinions
- Language and Conduct to be consistent with the values of equality and diversity
- Do not share commercially sensitive information
- Be prepared - Review Papers and Reports ahead of meetings
- Complete actions in a timely manner
- Keep to agreed scope
- Email communications to/cc'ing the .box email

Your Roles

- Help refine/develop the solution(s)
- Bring forward alternatives as early as possible
- Vote on whether or not to proceed with requests for Alternatives
- Vote on whether the solution(s) better facilitate the Code Objectives

Workgroup Membership

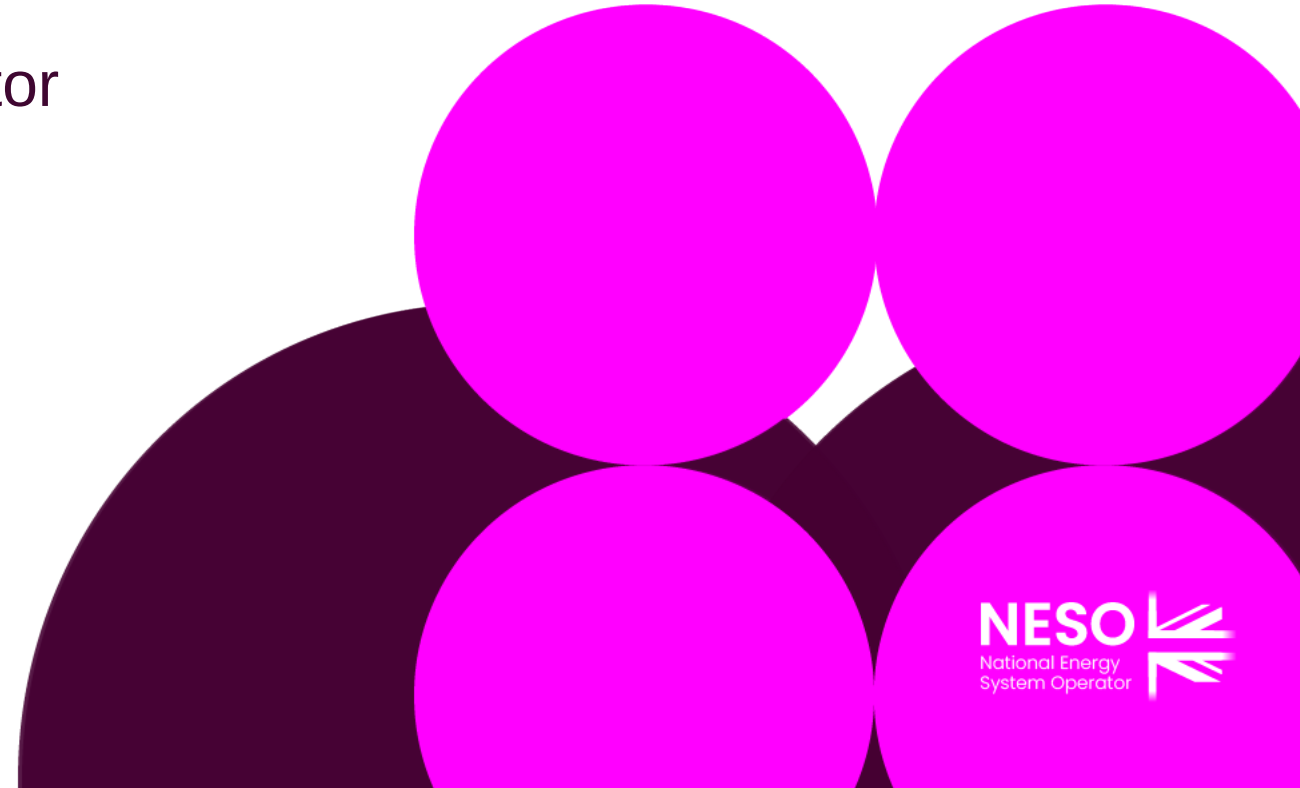
Role	Name	Company
Proposer	Thomas Goss	NESO
Workgroup Member	Hao Guo	NESO
Workgroup Member	Garth Graham	SSE Generation
Workgroup Member	Alan Creighton	Northern Powergrid
Workgroup Member	Andrew Allan	RWE
Workgroup Member	Harry Burns	EDF
Workgroup Member	Alan Convery	SP Transmission
Authority Representative	Paul Drew	OFGEM

Workgroup Membership

Role	Name	Company
Workgroup Member	Roger Carter	Transmission Investment
Observer	Rhiannon Whitty	NESO
Observer	Angie Gwozdz	NESO
Observer	Aman Sharma	NESO
Observer	Elena Fry	NESO
Observer	Rebecca Coan	NESO
Observer	Pritesh Patel	NESO

Objectives and Timeline

Prisca Evans – NESO Code Administrator

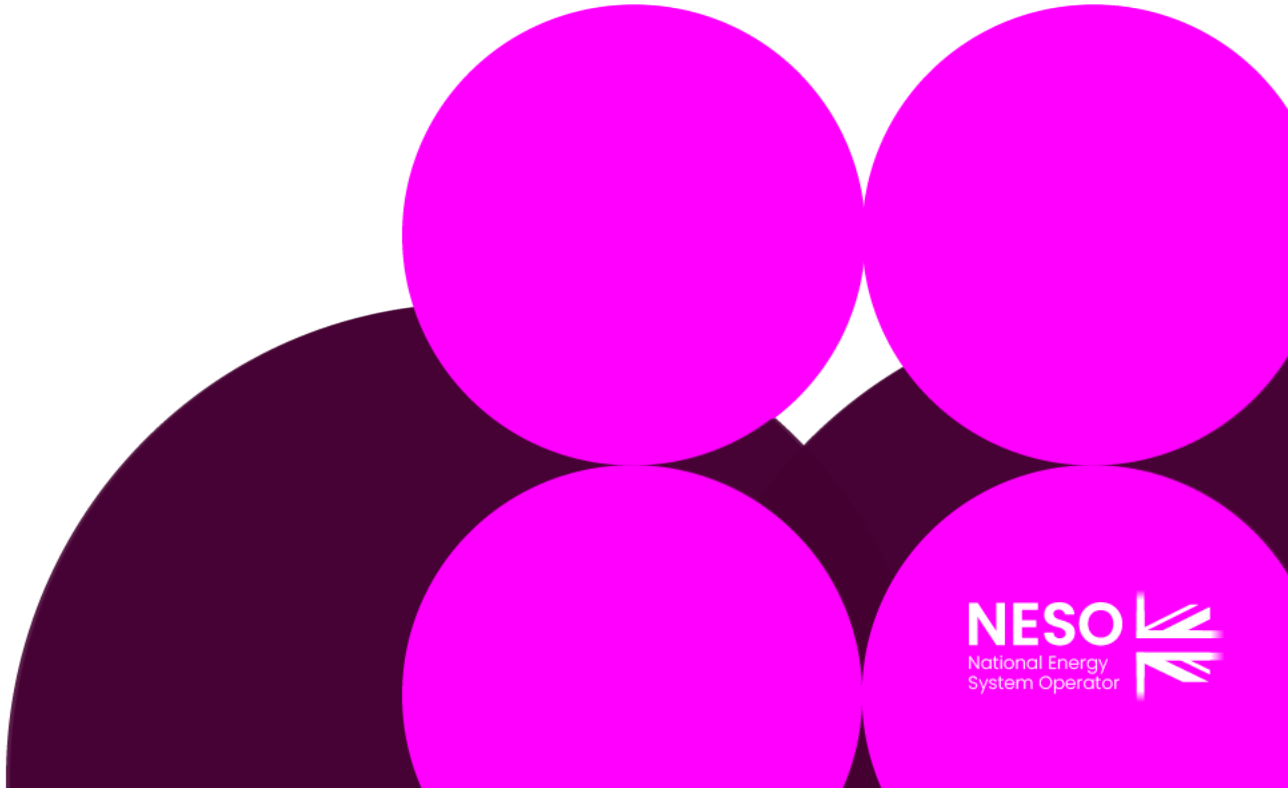


Timeline for GC0182 as of 15 September 2025

Milestone	Date	Milestone	Date
Modification presented to Panel	24/07/25	Code Administrator Consultation	29/05/26 - 29/06/26
Workgroup Nominations (15 business days)	29/07/25 - 18/08/25	Draft Final Modification Report (DFMR) issued to Panel (5 business days)	22/07/26
Workgroups 1, 2 and 3	• 15/09/25 • 20/10/25 • 25/11/25	Panel undertake DFMR recommendation vote	30/07/26
Workgroup Consultation (21 business days)	09/12/25 - 09/01/26	Final Modification Report issued to Panel to check votes recorded correctly	31/07/26 - 10/08/26
Workgroups 4, 5 and 6	• 20/01/26 • 04/03/26 • 14/04/26	Final Modification Report issued to Ofgem	11/08/26
Workgroup report issued to Panel	13/05/26	Ofgem decision needed by	TBC
Panel sign off that Workgroup Report has met its Terms of Reference	21/05/26	Implementation Date	TBC

Action Log Review

Prisca Evans – NESO Code Administrator



Action Log Review

Action	Status
Update the Workgroup on a proposed implementation date for the new metering polarity standard for consideration at the next workgroup meeting.	• Proposed implementation date 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**.
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.	• As per Kat Higby's suggestion, there will need to be a separate and concurrent SCT Mod raised in order to ensure the TO's and OFTO's are included in the scope. • Tom has raised a Mod proposal to the STC team
Share the latest version of the metering polarity diagram	Propose to close

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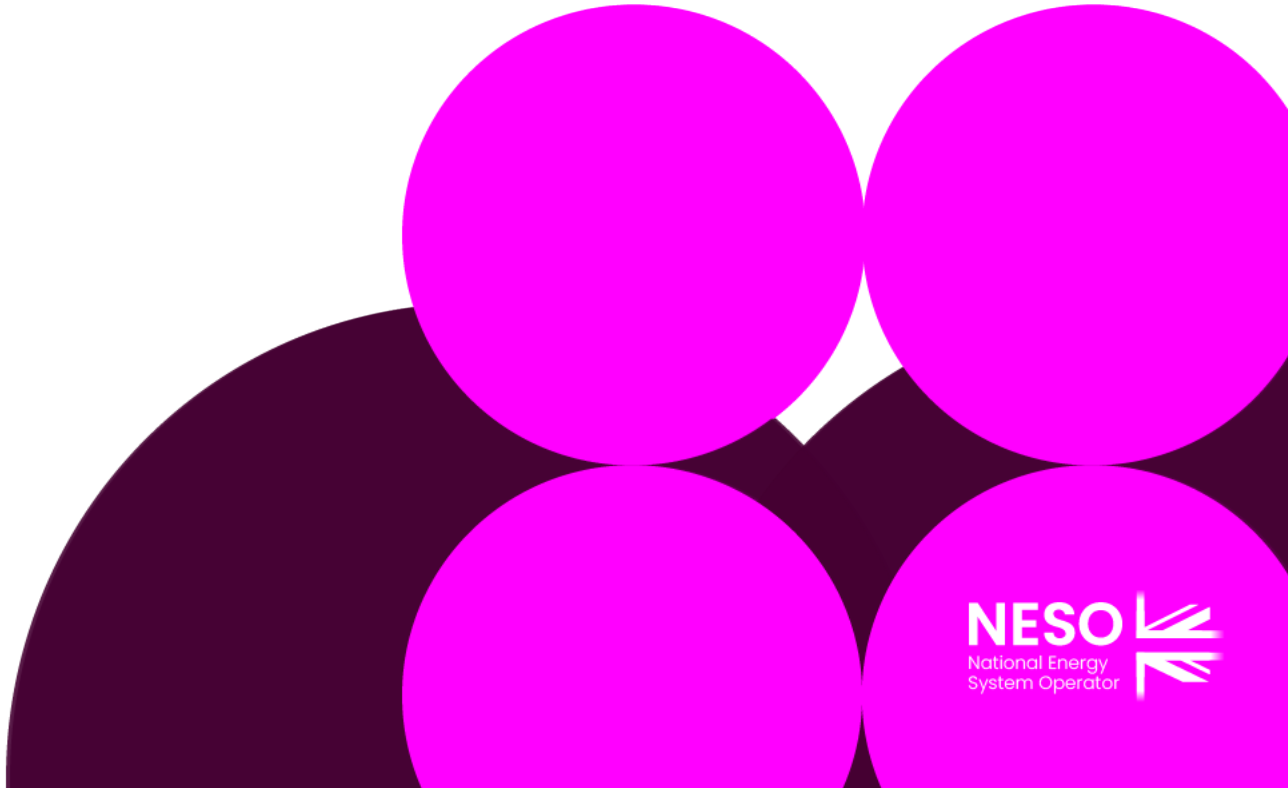
Proposer Presentation

Thomas Goss – NESO



STC Modification

- The proposed Power Flow Metering Polarity shall be applicable to all industry stakeholders.

- Grid Code is only applicable to Generators.

- An STC and STCP modification will be required to cover TOs and OFTOs.
  A Proposal for an STC Mod has been raised, the aim is for this to be ready when the Grid Code Mod is implemented.

- The STC Mod will have the same implementation date as GC0182 and specify that:
  - Metering Points of New Connections whose connection application is submitted **on and after 1st November 2026** shall follow the Power Flow Metering Polarity standard.
  - New Metering Points installed in existing sites **on and after 1st November 2026** shall follow the Power Flow Metering Polarity standard.

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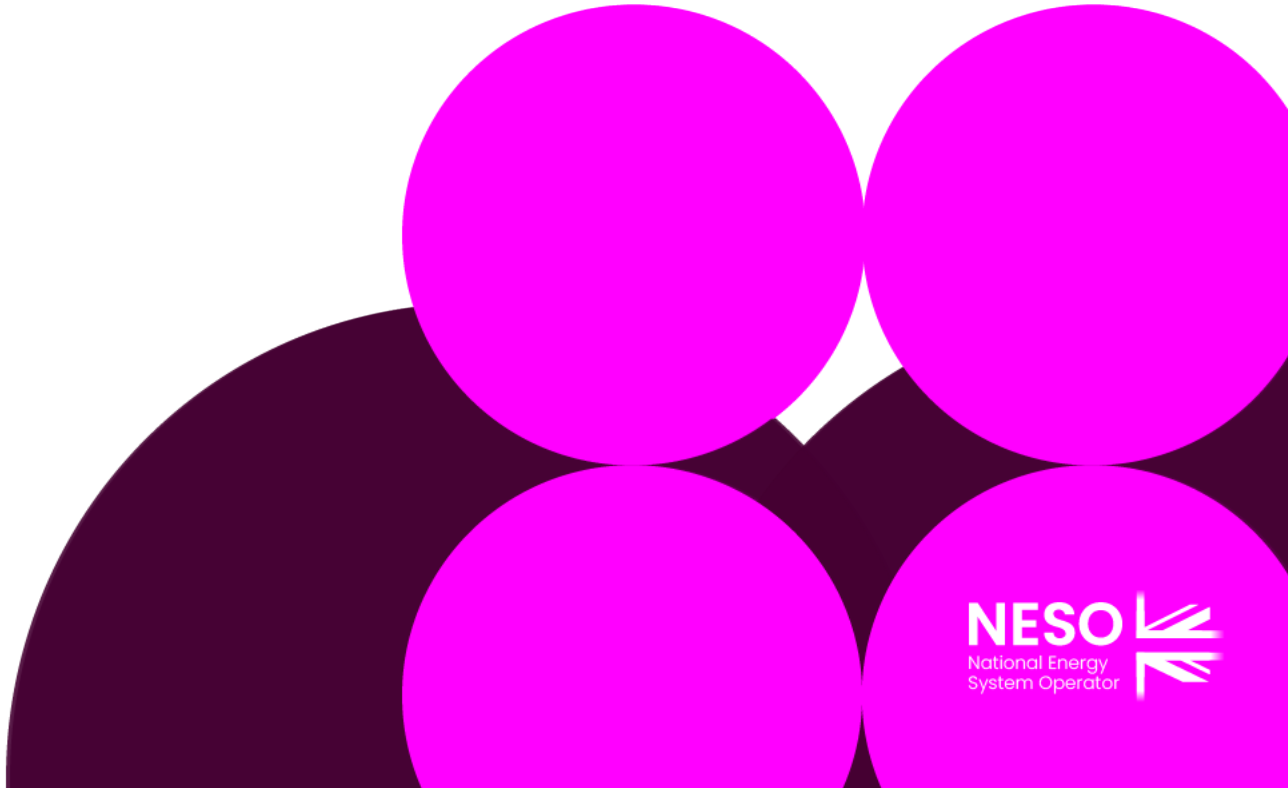
STC Modification

- Process for the STC Mod:
  - STC Mod Proposal form has been submitted.
  - The STC team advise that the Mod will have mostly the same stakeholders as this one as well as the same aims, and as there has been broad agreement there is unlikely to be significant disruption or the need for many more Workgroups
  - There will be a need for a separate STC Mod Workgroup as we cannot combine with the existing Grid Code Mod Workgroup
  - STC Panel consultation and approval: it is recommended that we include a member of the STC Panel into this Mod, so that they can be confident that the STC Mod is correctly following this one
  - STC Implementation: The aim is for the same technical diagram and legal text to be implemented in the STC as the Grid Code, and at the same time. Whilst there are no issues on the immediate horizon the purpose of working closely with the STC Team will ensure any problems that come up can be resolved quickly.

Legal Text Update

Hao Guo – NESO



Grid Code Mod – Proposed Legal Text

- In **GC.A.A ANNEX TO THE GENERAL CONDITIONS,** to add new clause (e). This is to make sure all parties using Grid Code are aware of and will refer to the Power Flow Meter Polarity Standard.

ANNEX TO THE GENERAL CONDITIONS

The **Electrical Standards** are as follows:

(a) **Electrical Standards** applicable for **NGET's Transmission System**

(d) Scottish **Electrical Standards** applicable for **SHETL's Transmission System**.

1.	NGTS 1:	Rating and General Requirements for Plant, Equipment, Apparatus and Services for the National Grid System and Direct Connection to it. Issue 3 March 1999.
2.	NGTS 2.1:	Substations Issue 2 May 1995
3.	NGTS 3.1.1:	Substation Interlocking Schemes. Issue 1 October 1993.

(e) Power Flow Meter Polarity Standard applicable in all Transmission Areas (to all parties who send operational metering data to NESO) to all **User's** with a **CUSC Contract**.

Electrical Standard - Meter Polarity Standard for Power Flow Data sent to **The Company**	Issue 1	TBC

Grid Code Mod – Proposed Legal Text

- In **ECC 5.2.1,** to add new clause ECC 5.2.1 (p). Note that European Connection Conditions (ECC) is for connections after 2019

ECC 5.2.1 (p)	During the design stage of a new connection, **The Company** will inform the **EU Code User** that the Electrical Standard - Meter Polarity Standard for Power Flow Data sent to The Company (listed in **GC.A.A ANNEX TO THE GENERAL CONDITIONS**) shall be followed. The **EU Code User** shall provide the list of metering points to **The Company** during the planning stage. These metering points will be checked and validated by **The Company** and agreed with the **EU Code User** prior to issue of EON for directly connected generators, ION for embedded generators or LON for users already connected and when changing their meter. This requirement will be applicable to any EU Code User with a **New Connection Application Submission Date** on or after **1st November 2026**, or any **EU Code User** which installs or changes operational metering on or after **1st November 2026**.

Grid Code Mod – Proposed Legal Text

- In **CC 5.2.1,** to add new clause CC 5.2.1 (p). Note that Connection Conditions (CC) is for connections before 2019

CC 5.2.1 (p)

Where a **GB Code User** changes its operational metering, **The Company** will inform the **GB Code User** that the Electrical Standard - Meter Polarity Standard for Power Flow Data sent to The Company **(**listed in **GC.A.A ANNEX TO THE GENERAL CONDITIONS)** shall be followed. The **GB Code User** shall provide the list of metering points to **The Company** during the planning stage prior to replacement of the operational metering. These metering points will be checked and validated by **The Company** and agreed with the **GB Code User** prior to issue of LON . This requirement will be applicable to any **GB Code User** who change their operational metering on or after **1st November 2026**.

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Any Other Business

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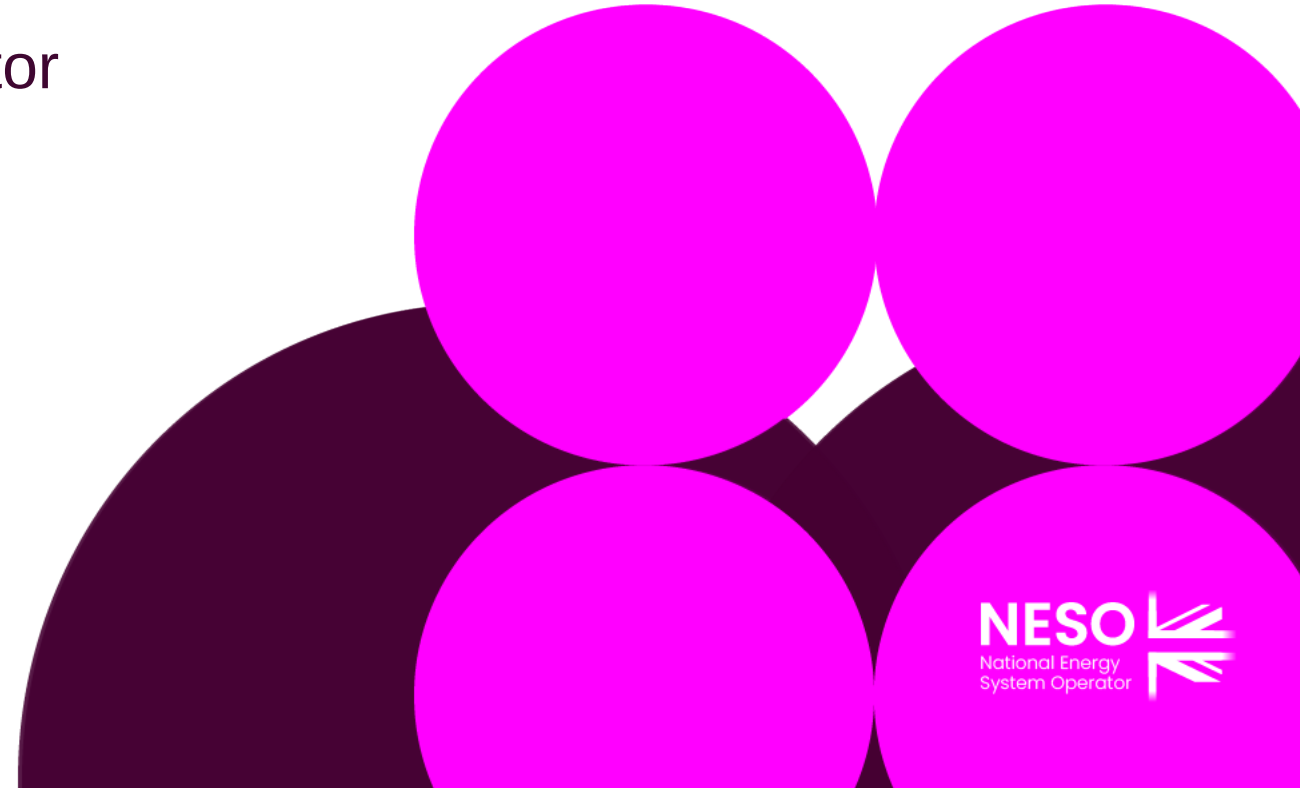

Next Steps

Prisca Evans – NESO Code Administrator