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NESO Future of Registration Webinar

22 May 2025

Slido code
#3910311

Please note: The slides about the current SORT Upload process have been updated and edited in response to feedback received at the live event and further discussions with current registration process participants

Asking Questions

To ask questions live go to Sli.do event code # 3910311

Ask your questions as early as possible as this will help us to provide more live answers.

- **Please provide your name or organisation.** This is a webinar for industry participants therefore questions from unidentified parties will not be answered live. If you have reasons to remain anonymous to the wider forum, please use the email options below.
- **Questions will be answered in the upvoted order whenever possible.** We will take questions from further down the list when: the answer is not ready, we need to take the question away or the topic is outside of the scope of this webinar.
- **Sli.do will remain open until 12:00**, even if the webinar closes earlier, to provide the maximum opportunity for you to ask questions. After that please use the email option below.
- **All questions will be recorded and published.** Questions which are not answered on the day will also be included, with answers, with the slide pack and webinar recording at: [Balancing Mechanism Wider Access | National Energy System Operator](#)
- **Ask questions anytime** whether for inclusion in the forum or individual response at: .box.bmu.registration@nationalenergyso.com

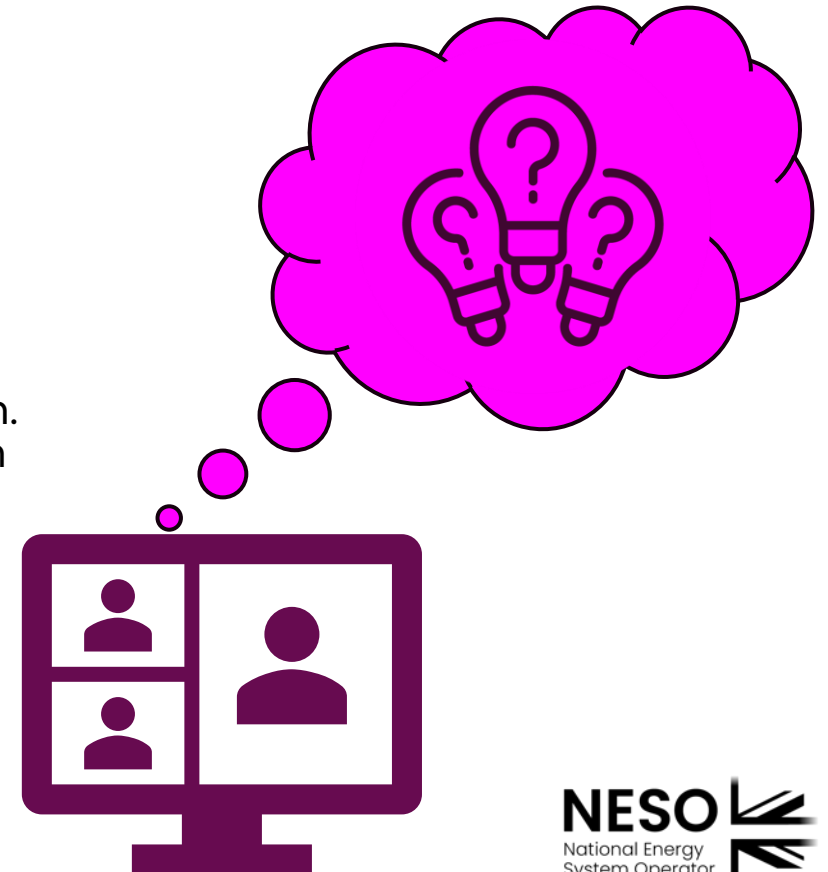
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We want to refresh the purpose and scope of this forum to ensure the content is relevant for you, our customers.

In recent webinars we have focussed on the on the Future of Registrations, particularly the migration of BM Registrations to the Single Markets Platform. We would like to know what topics you are interested to hear more about in the future webinars. Please email us at: bmu.registration@nationalenergyso.com to tell us what you want to hear more about at future Onboarding and Registration events.

Thank you for your support



Update for May 2025 SORT Upload

Change to date

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Due to some urgent updates required for the SORT system it will not be possible for the SORT Upload to take place as originally planned on 21 May.

SORT Upload will now take place on 28 May
backup date 3 June.

Customers impacted by the change in dates have been notified directly.

Thank you for your support and understanding

Contents

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What has changed in the Single Markets Platform (SMP)?

Current SORT upload process

Future processes with Open Balancing Platform

Your questions answered

What has changed in the Single Markets Platform (SMP) since the previous webinar?

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What's been delivered

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28th March

Interconnector User Registration

Salesforce code with Interconnector User Registration except Supplier Base units deployed into production

29th to 30th Mar

Data Migration

Commence data migration of all the units of Interconnector Users, Interconnector Cables, Supplier Base BMUs and all the other units descoped for Day 1 data migration

16th April

Supplier Base BMU Registration

Salesforce code for the Registration team to register Supplier Base BMUs from backend deployed into production

Coming Up...

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28th May

SMP APIs

Extending SMP APIs to allow registration of aggregated BMUs made up of multiple assets automatically with control point & trading agent data

Q2 25/26

Extension of Versioning to BM

Enabling versioning of units whenever there is a change in capacity to keep track of the BM unit history

Q3 25/26

Enhancements to BM registration

Onboard Interconnector Cable registration on SMP

Q4 25/26

Explore Automation and User feedback

1. Explore more automation opportunities i.e. a potential to connect directly with Elexon
2. Opportunity to enhance process based on external and internal user feedback

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Current SORT upload process

Jillian Wells

NESO Systems Change Manager

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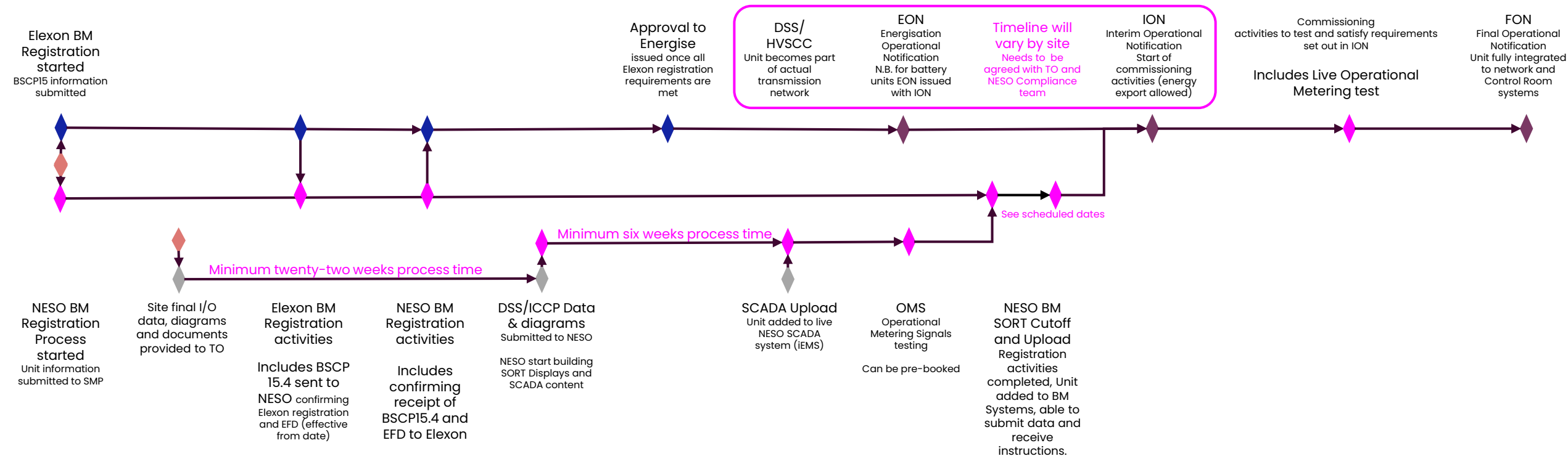
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NEW slide

This is a general overview of the timeline for the final stages of the Registration Process i.e. requirements for entry into the SORT Upload

- **Wider Access:** These slides do not apply for Wider Access participants.
- **Distribution Network Connections:** These slides may not apply in full, please discuss with your DNO and NESO Compliance Officer to confirm their requirements as these will differ from the TO related details shown in these slides
- **Battery/BESS:** the timing of EON, ION and DSS/HVSCC in relation to SORT Upload may be different for battery sites. This is a technology related difference. Please discuss the details with your TO, NESO Compliance Officer and NESO Registrations Team to clarify expectations for your project.
- **Site Developers and Lead Parties** are strongly advised to discuss the impact of this timeline on each specific project with their TO, NESO Compliance Officer and NESO Registrations Team early in the project timeline. This is to ensure all parties understand how the project delivery plan aligns with the requirements for the SORT Upload.

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	◆
Exelon	◆

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 Exelon, 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

Glossary

Approval to Energise	Issued by Elexon once the requirements have been met (mainly relate to Settlement Metering)
BM (Balancing Mechanism)	NESO use the BM to buy and procure the right amount of electricity required to balance the system. We do this minute by minute, second by second, to balance supply and demand in real time
BM Registration	Processes for registering a unit with Elexon and NESO to participate in the Balancing mechanism
BSCPI5	Balancing and Settlement Code Procedure 15: BM Unit Registration
BSCPI5.4	BSCPI5 section 4: Appendices : contain details of the information required to register a unit for the BM. In this diagram it refers to the copy form Elexon sends to NESO to advise the EFD
Commissioning	Period following ION when the Unit coordinates with the NESO Control Room to demonstrate they meet all of the requirements set in their ION
DNO	Distribution Network Operators deliver electricity to/from the Transmission Network to homes and businesses
DSS	Data Set Switch is a National Grid process which applies in England and Wales, and for OFTOs (Offshore Transmission Owners). For some sites this date is used by NESO to trigger their SCADA Upload rather than the HVSCC
EFD (Effective From Date)	Date requested for the unit to complete registration and become active in the BM
EON (Energisation Operational Notification)	Issued by NESO Compliance EON: required for first energisation (back feed) of a new connection (not applicable for BEGA or BELLA connections)
ION (Interim Operational Notification)	ION: required for first export (either reactive power or active power) and includes a schedule of unresolved issues that will need to be satisfactorily completed following commencement of export of reactive and active power and prior to a Final Operational Notification being issued. The ION may also include Operational Restrictions that will apply to the new connection until satisfactorily addressed.
FON (Final Operational Notification)	FON: all issues identified in ION have been addressed

HVSCC (High Voltage System Change Certificate)	Date used by NESO to trigger their SCADA upload for non-DSS sites (Scottish TO network)
ICCP data, diagrams and documents	Inter-Control Centre Communication Protocol is the international standard for communication between power grid control centres. This is used to define information package which the TO provides to NESO for the unit.
OMS (Operational Metering Signals)	Data communication between the unit (usually via TO communications) and NESO providing real time performance data
OMS testing	SORT Upload requirement: tests dummy data is received and interpreted correctly in NESO SCADA FON requirement (specified in ION): tests real time data is received and interpreted correctly in NESO SCADA
SCADA (Supervisory Control And Data Acquisition)	The NESO SCADA systems provide the NESO Control Room with a representation of the live GB transmission network. This accurate electronic model is used plan and carry out to safe and secure operation of the actual network.
SCADA Upload	The new unit is added to the NESO SCADA system. DSS or HVSCC dates are used to trigger this action to ensure the system accurately represents the live network
Site Final I/O	The data, diagrams and documents the TO requires from the customer for each new unit in order to plan and carry out the works required to complete the connection and provide NESO with the ICCP data, diagrams and documents.
SORT	SORT is part of the NESO Control Room systems and holds the details of the BMU key characteristics which are needed for planning balancing actions and issuing instructions
SORT Upload and Cutoff	SORT Upload is the process for adding new units into the live BM Systems. Currently these uploads are scheduled six times per year. All the requirements must be met before the Cutoff date because the preparations for Upload takes 3 weeks

Notes on the diagram

All customers that are party to either a Bilateral Connection Agreement (BCA), Bilateral Embedded Generation Agreement (BEGA) or Bilateral Embedded Licence exemptable Large power station Agreement (BELLA) and Construction Agreement, where applicable, with NESO in respect of a new generation connection will be required to demonstrate compliance with the relevant requirements of these agreements together with the relevant requirements of the Grid Code prior to receiving Operational Notifications for their connection

Balancing Mechanism Registration Update

Sort Upload dates for remainder of 2025 (unchanged) and 2026

BM Systems Upload Dates (SORT Upload)

Remainder of 2025 (published previously and unchanged)

Month	Cutoff date	Implementation	Back-up date
September	03/09/2025	24/09/2025	01/10/2025
November	05/11/2025	26/11/2025	03/12/2025

2026

Month	Cutoff date	Implementation	Back-up date
January	06/01/2026	28/01/2026	04/02/2026
March	24/02/2026	18/03/2026	01/04/2026
May	28/04/2026	20/05/2026	27/05/2026
July	23/06/2026	15/07/2026	22/07/2026
September	01/09/2026	23/09/2026	30/09/2026
November	03/11/2026	25/11/2026	02/12/2026

Cut-off date moved to Tuesday to allow NESO to process additional units for SORT

What support is available

Registrations:

- bmu.registration@neso.energy
- [Balancing Mechanism Wider Access | National Energy System Operator](#)

SBMU Virtual Lead Party Registrations:

- commercial.operation@neso.energy
- [Balancing Mechanism Wider Access | National Energy System Operator](#)

Single Markets Platform team:

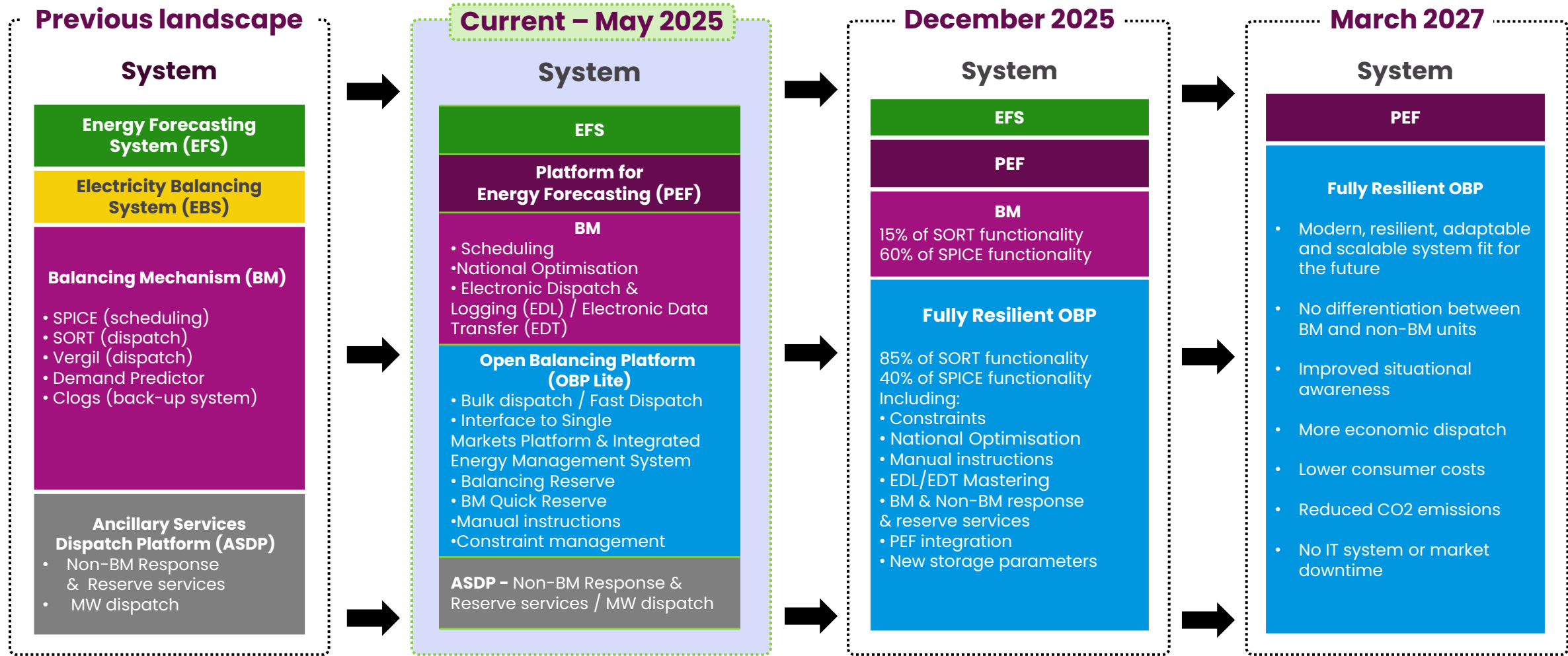
- Show and Listen
- Webpage (Market Information tab) [Single Markets Platform | National Energy System Operator](#)

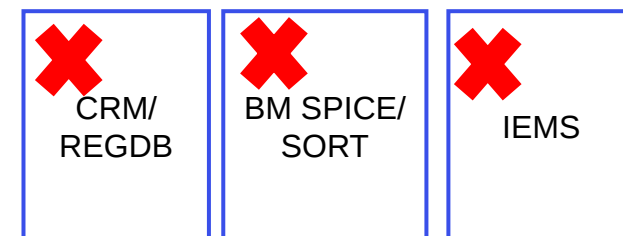
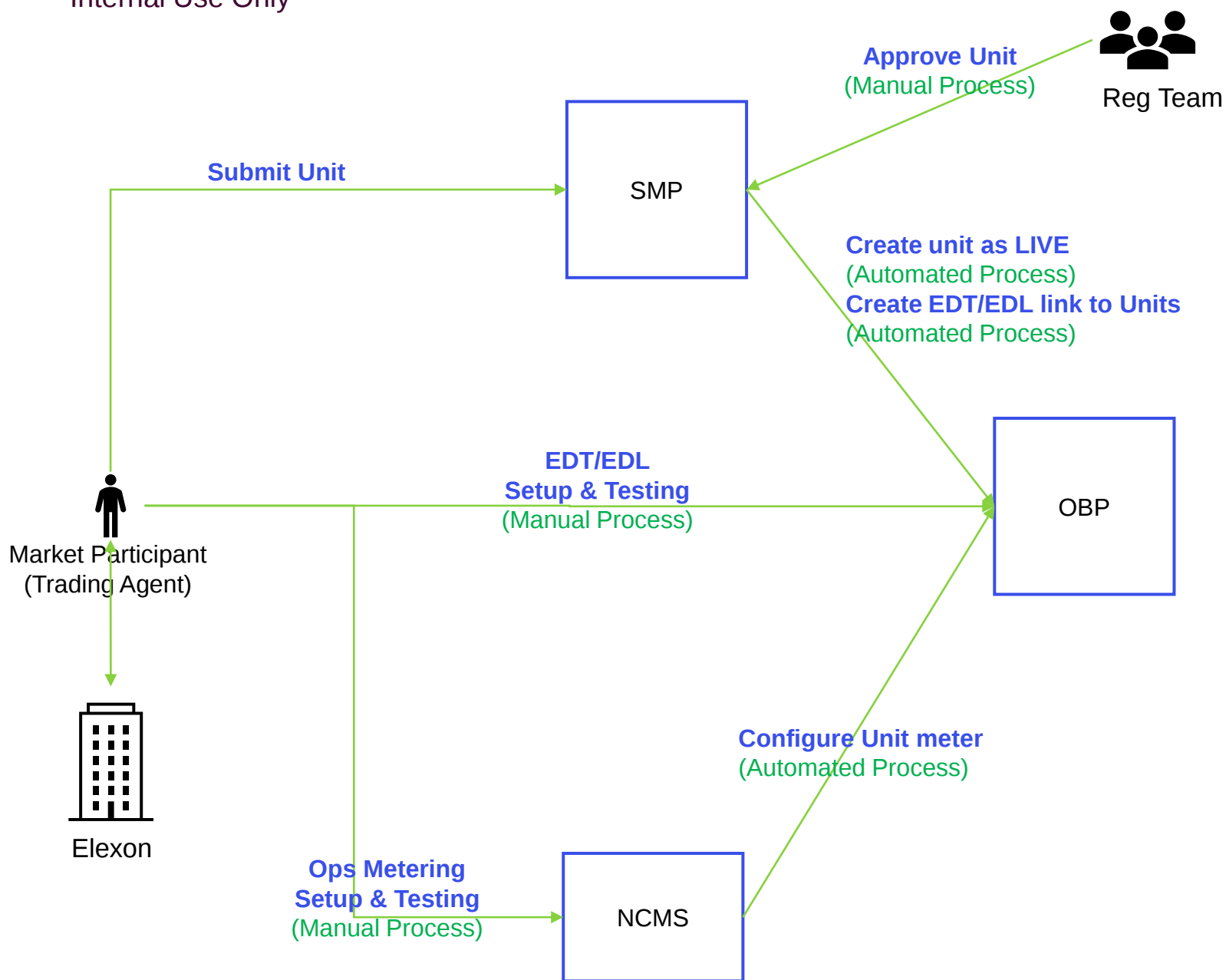
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Future processes with Open Balancing Platform

Bernie Dolan

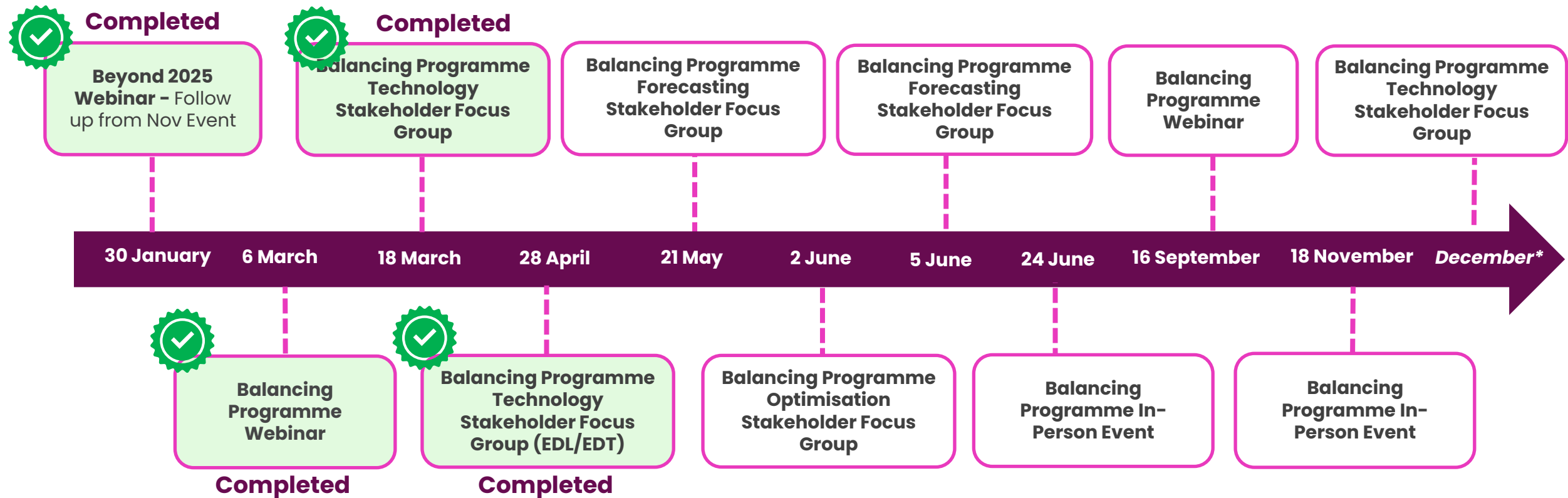
System Transformation





- Units approved in SMP only after
 - EDT/EDL is setup in OBP
 - Ops Metering is setup in NCMS
 - All existing BM reg pre-requisites are complete

2025 External Engagement Timeline



* Exact date TBC

Balancing Programme **relationship management meetings** throughout 2025 & **external NESO newsletters 'Energising Progress'** with Balancing Programme content issued regularly, providing updates between online & in-person events. **Further Stakeholder Focus Group dates** to be added throughout 2025.



Engage with the Balancing Programme

- [Balancing programme | National Energy System Operator](#) – previous Balancing Programme event/webinar content & recordings
- Subscribe to our new NESO newsletter [here](#) – please select Future of Balancing Services inc. Balancing Programme to keep up to date with Programme inc. upcoming events and focus groups.
- Sign-up to our Stakeholder Focus Groups for Optimisation, Technology, & Forecasting – [Balancing Programme Stakeholder Focus Groups.](#)
- We welcome your questions & feedback – please get in contact with the Programme at [box.balancingprogramme@nationalenergyso.com.](mailto:box.balancingprogramme@nationalenergyso.com)
- If you are interested in a regular meeting with a representative from the Programme and would like more information, please get in contact using the email address above.

**Register for Balancing
Programme Focus Groups**



Balancing Programme Technology Stakeholder Focus Group

Date: 31 July 2025

Time: 11:00 – 12:30

Location: Microsoft Teams

Join our virtual Technology Stakeholder Focus Group on 31 July from 11:00 – 12:30 to learn more about the technical migration of NBM Dynamic Response & Slow Reserve services from ASDP to the Open Balancing Platform (OBP). Details of the cutover plans including transition timelines and Market Participant testing will be provided. This session will be of particular interest to NBM providers of the referenced services.

If you are not signed up to our Balancing Programme Technology Stakeholder Focus Group and would like to attend this session, please register [HERE](#) – a calendar invite will be sent to you following sign up.

If you have any questions, please contact the team at:
box.balancingprogramme@neso.energy

Balancing Programme Stakeholder
Focus Groups (2025/6)



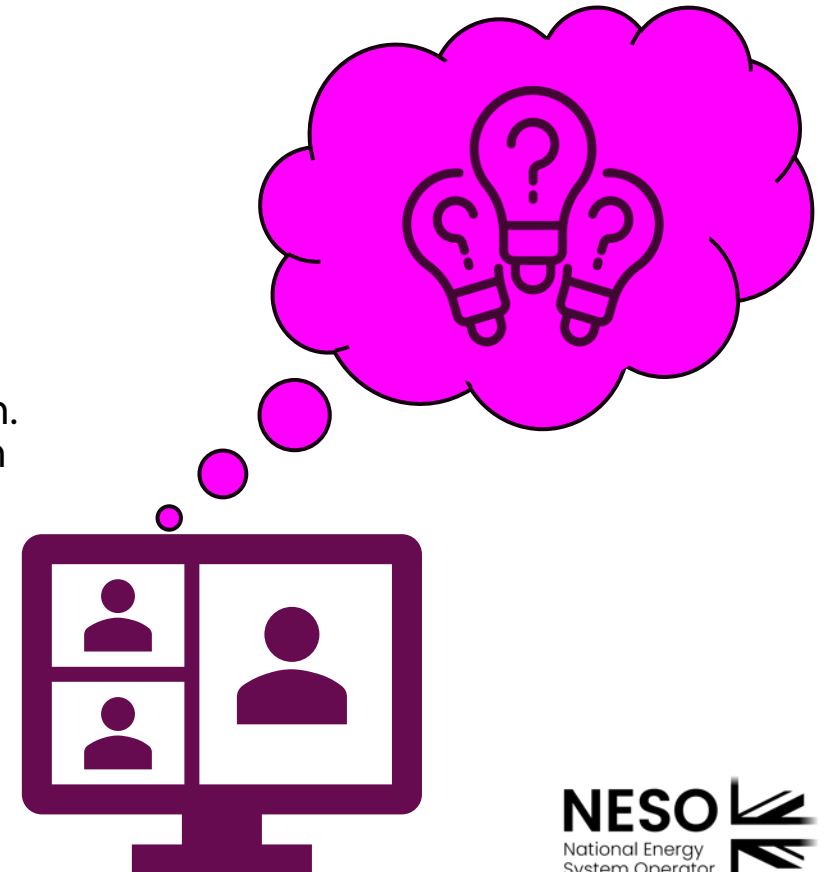
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Your questions from Slido

slido



Audience Q&A

① Start presenting to display the audience questions on this slide.

Thank you for joining us

Reminders:

Slido is open until 12:00

Next SMP Show & Listen: 17 July

Next Onboarding and Registrations Webinar: to be determined

Requests:

If you have not already registered to receive updates and webinar invitations, please contact:

.box.bmu.registration@neso.energy

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