

Public

Technology Stakeholder Focus Group

EDT/EDL Transition to Open
Balancing Platform

28 April 2025

Audience Participation



There is time allocated to Q&A towards the end of the session – we will take all questions during this part of the agenda to ensure we get through all pre-prepared content.



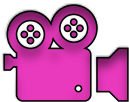
Please post any questions you have for our speakers in the Microsoft Teams chat ensuring to list both your **full name and organisation** – this will enable us to follow up with you after the webinar if necessary. During the Q&A section, you can also use the ‘raise hand’ function and come off mute to ask your question.



Out of scope questions will be forwarded on to the appropriate NESO team or expert for a direct response. We may ask you to contact us by email to ensure we have the correct contact details for the response.



If you have any further questions after the Focus Group, please get in contact with us at **box.balancingprogramme@nationalenergyso.com**.



Today’s Technology Focus Group will be **recorded and published online** after the session, along with the slide pack.

Programme Vision

The aim of the **Balancing Programme** is to maintain and bring change into our current balancing capabilities to support Control Room operations, whilst we transform to new balancing capabilities that the NESO needs to deliver reliable and secure system operation, facilitate competition for the benefit of consumers and meet our ambition for net-zero carbon operability.

1. Manage increased **number of market participants**

2. Quickly **adapt** to new requirements, innovation and services

3. Enable **level playing field** for new flexibility services

4. Optimise **balancing cost**



Clean Power

We will enable a zero-carbon electricity system by 2030



Decarbonised Energy

We will develop integrated plans for a decarbonised, efficient and flexible energy system fit for the future.



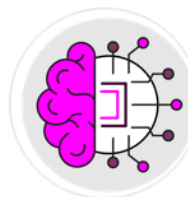
Consumer Value

We will have unlocked around £3 billion of consumer benefits by 2026 by driving competition in the market.



Customer Centricity

We will understand and balance the different needs of our customers to form meaningful partnerships and operate a fair market operation



Digital Mindset

We will unlock the potential of technology and teamwork through a digital-first approach, enabling a future of seamless connectivity and innovation at pace.



Valuing our People

We will invest in our people, to ensure we are prepared and empowered to embrace the opportunities of the future.

Balancing Systems Release Plan

Key:

- **Technical Impact on Industry**
- **Complete**

Programme Increment 14 (Oct 24 – Jan 25)

OBP Capabilities & Enablers:

1. Interface to Data Analytics Platform (DAP)
2. BM Quick Reserve Business Go-Live

Non-OBP Capabilities:

1. ASDP System – Final release
2. BM System – LDA updates (NEW)
3. VERGIL – addition to improve economic dispatch (NEW)
4. Dispatch Efficiency Monitor – real-time monitor (NEW)

****Please note** – GC0166 implementation date is dependent on the outcome of the Grid Code Modification process**

Programme Increment 16 (Apr 25 – Jul 25)

OBP Capabilities:

1. **Non-BM Instruction Types**
2. **Non-BM Quick Reserve**
3. National Optimiser
4. Pumped Storage BOAs
5. Bulk Dispatch Wind BMUs (rule based)

Programme Increment 18 (Oct 25 – Jan 26)

OBP Capabilities:

1. Constraints Pathfinder
2. Stability Pathfinder
3. Manage Sync/De-sync

OBP Enablers:

1. Ready to decommission ASDP
2. **EDT/EDL mastered from OBP**
3. PEF Integration

**Retire ASDP,
VERGIL & CLOGS**

Programme Increment 15 (Jan 25 – Apr 25)

OBP Capabilities:

1. Constraint Management
2. Manual instructions

OBP Enablers:

1. Interface to Ancillary Settlement for NBM
2. **Non-BM APIs**

Programme Increment 17 (Jul 25 – Oct 25)

OBP Capabilities:

1. **BM & Non-BM Slow Reserve**
2. **Move MW Dispatch**
3. **Move Response (DC/DM/DR)**
4. Optimisation within a Constraint

OBP Enablers:

1. Ready to decommission ASDP
2. OBP becomes Operationally Critical

Programme Increment 19 (Jan 26 – Apr 26)

Capabilities:

1. Interface to NCMS for constraints
2. Response and Inertia

Abbreviations: **DC:** Dynamic Containment **DM:** Dynamic Moderation **DR:** Dynamic Regulation **BOA:** Bid Offer Acceptance **DX:** Dynamic Response **VERGIL:** Versatile Graphical Instruction Logger **NCMS:** Network Control Management System **EDL:** Electronic Dispatch & Logging **EDT:** Electronic Data Transfer **ASDP:** Ancillary Services Dispatch Platform **CLOGS:** Contingency Logging System

Agenda

Time	Agenda Item	NESO Presenters
11:30 – 11:40	Welcome & Setting the Scene	Nisha Bhamidimarri , Chair of the Balancing Programme Technology Focus Group & OBP Senior Delivery Manager
11:40 – 12:10	Context of Transition	Dave Uzzell , Operational Manager
12:10 – 12:30	Transition Strategy and Expectation from Parties	Andrew Fletcher , OBP Lead Solution Architect
12:30 – 12:40	Plan and Next Steps	Nisha Bhamidimarri & Andrew Fletcher
12:40 – 12:55	Q&A	Nisha Bhamidimarri
12:55 – 13:00	Future Engagement Opportunities & Next Steps	Nisha Bhamidimarri
13:00	Meeting Close	

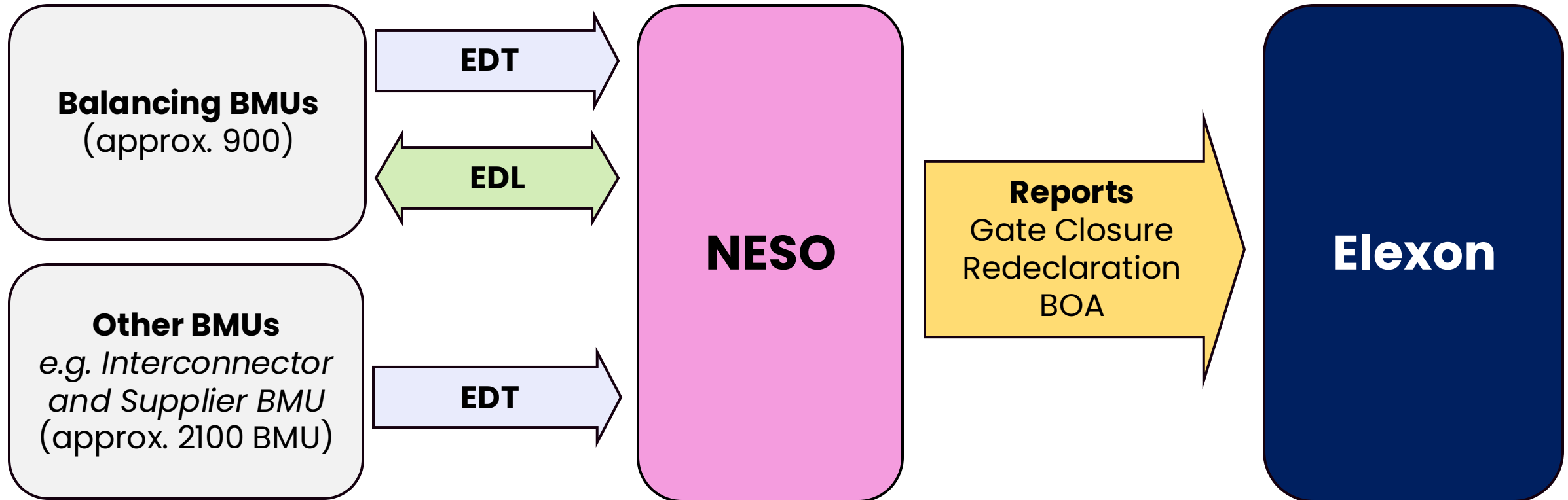
Terminology

Term	Description
BMU – Balancing Mechanism Unit	<p>Balancing Mechanism (BM) Units are used as units of trade within the Balancing Mechanism. Each BM Unit accounts for a collection of plant and/or apparatus and is considered the smallest grouping that can be independently controlled. As a result, most BM Units contain either a generating unit or a collection of consumption meters.</p> <p>The Grid Code obliges parties to register depending on type and size criteria with NESO. Each Party that has responsibility for Exports and/or Imports onto the Transmission System must ensure that the Plant and/or Apparatus which gives rise to those Exports and/or Imports are comprised registered as BM Units with NESO.</p> <p>Parties may also choose to register smaller BMUs in order to participate actively in the Balancing Mechanism.</p> <p>Interconnector Users are required to register BMUs, regardless of capacity, in pairs (Import & Export expressed as Demand & Generation BMUs).</p>
Asset	Same as BMU.
Lead Party	Lead Party is the owner of the BM Unit. The party who has responsibility in the BSC and Grid Code for the operation of the BM Unit.

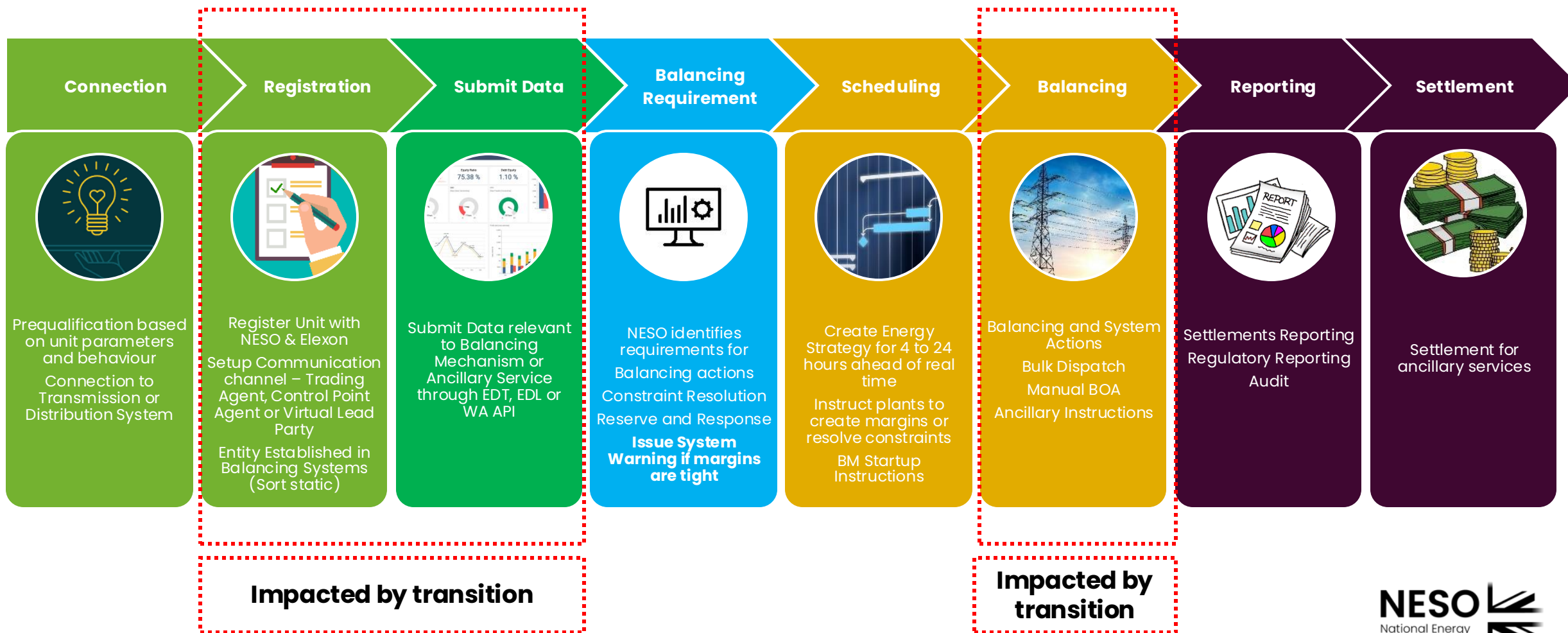
Terminology

Term	Description
Trading Agent	The point, designated by a market participant, from where Physical Notifications, Export & Import Limits and Bid Offer Data prices are submitted to NESO via EDT.
Control Point	The point at which a market participant receives Bid Offer Acceptances and Ancillary Service instructions from NESO and submits Export & Import Limits and Dynamic Parameters to NESO via EDL. This would normally be a site from which the participant exercises real-time control of demand, or in the case of a power station, the point where this is physically controlled by the BM Participant.
Virtual Lead Party	Lead Party of Secondary BMU.
Wider Access Provider	Providers using Wider Access API to provide and receive data from NESO.
Market Participant	Market Participant is ANY participant in the UK electricity market. Market Participants can perform a number of roles within the market such as Lead Party, EDT Trading Agent or EDL Control Point or Supplier or Interconnector Party.

EDT / EDL Submissions



Market Participant Journey – Balancing Mechanism Unit



Reason and Timing of Transition to OBP



Operational risk due to limitation in performance and scalability for the current balancing system



Minimize the planned outage for software deployment or unit onboarding



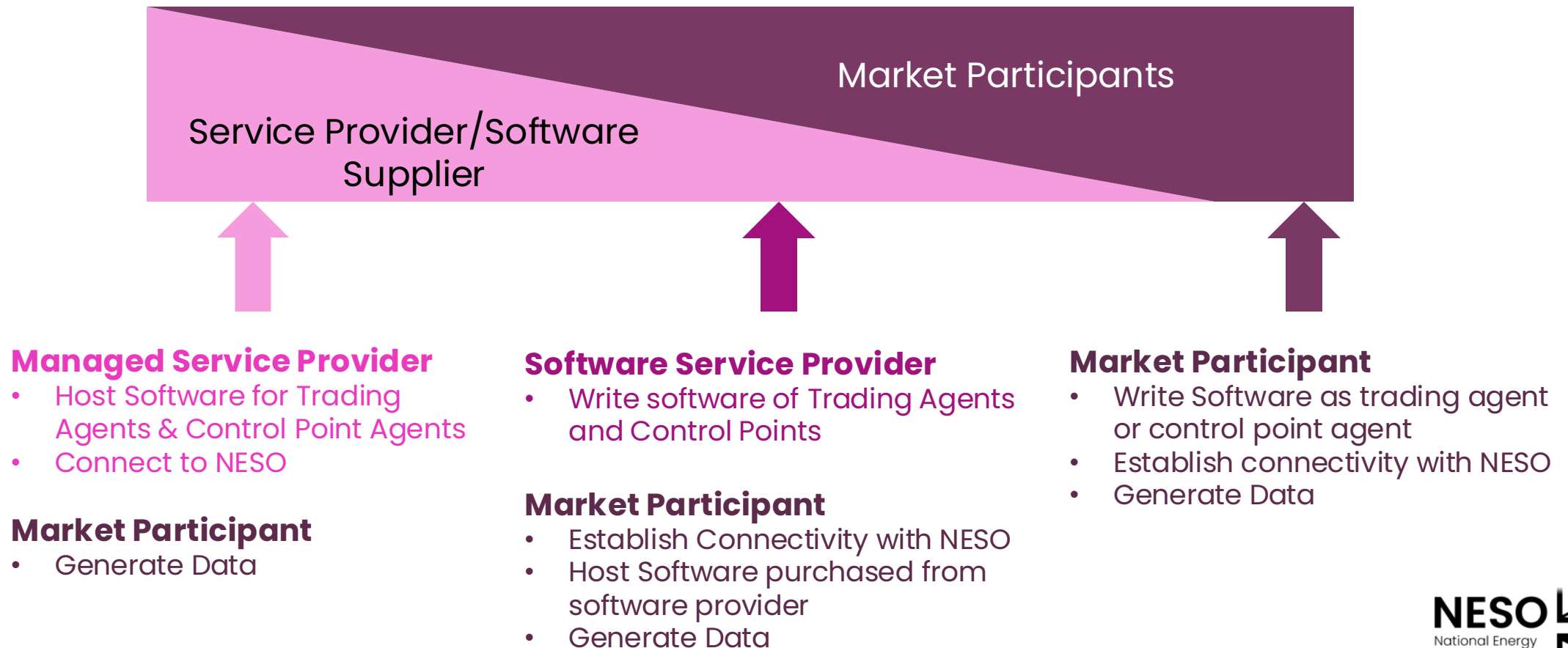
Prepare for DER (Distributed Energy Resources) and CER (Customer Energy Resources)



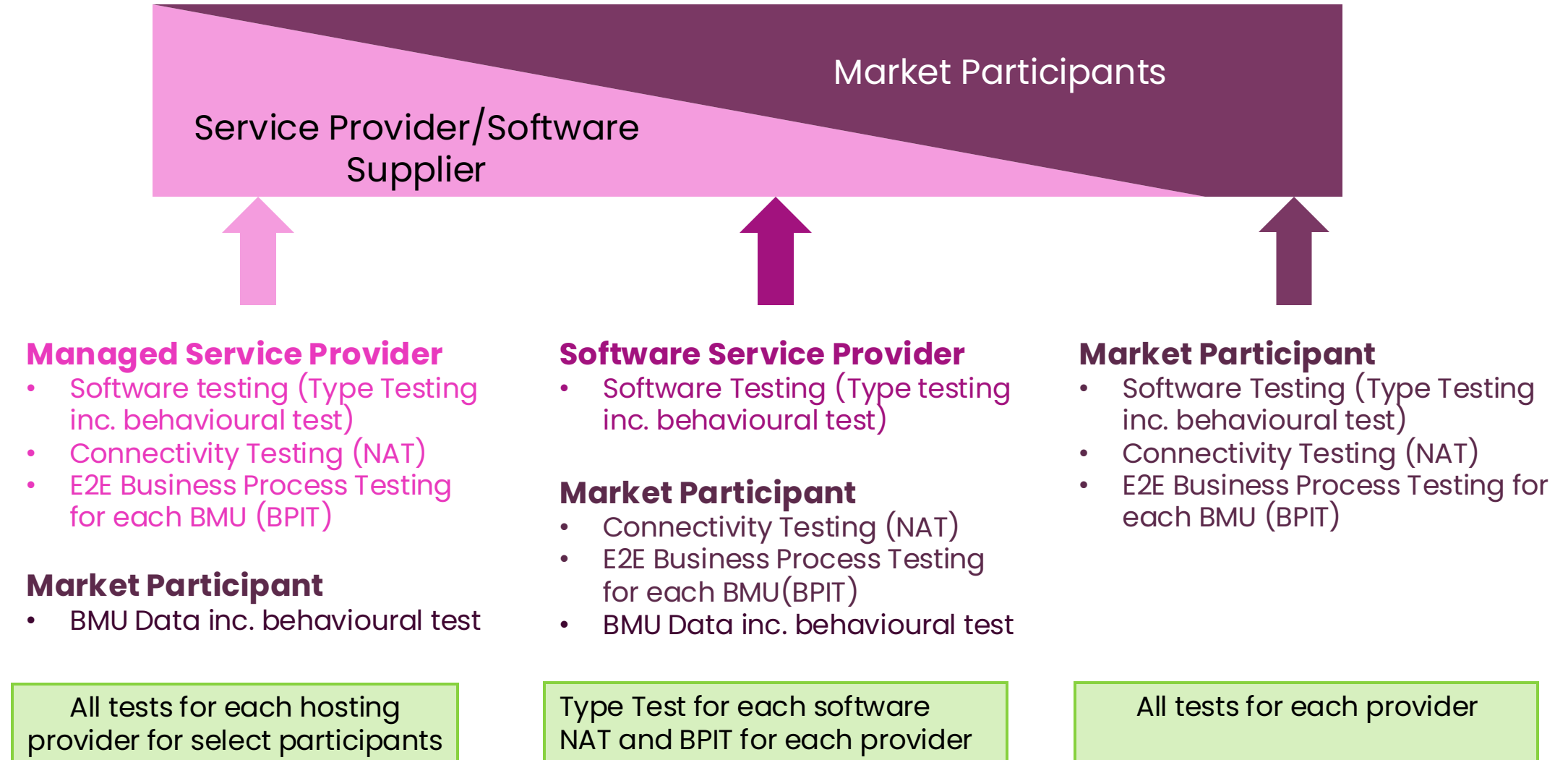
Logical step in the transition from BM to OBP allowing SORT decommissioning

Patterns in Connectivity Solutions

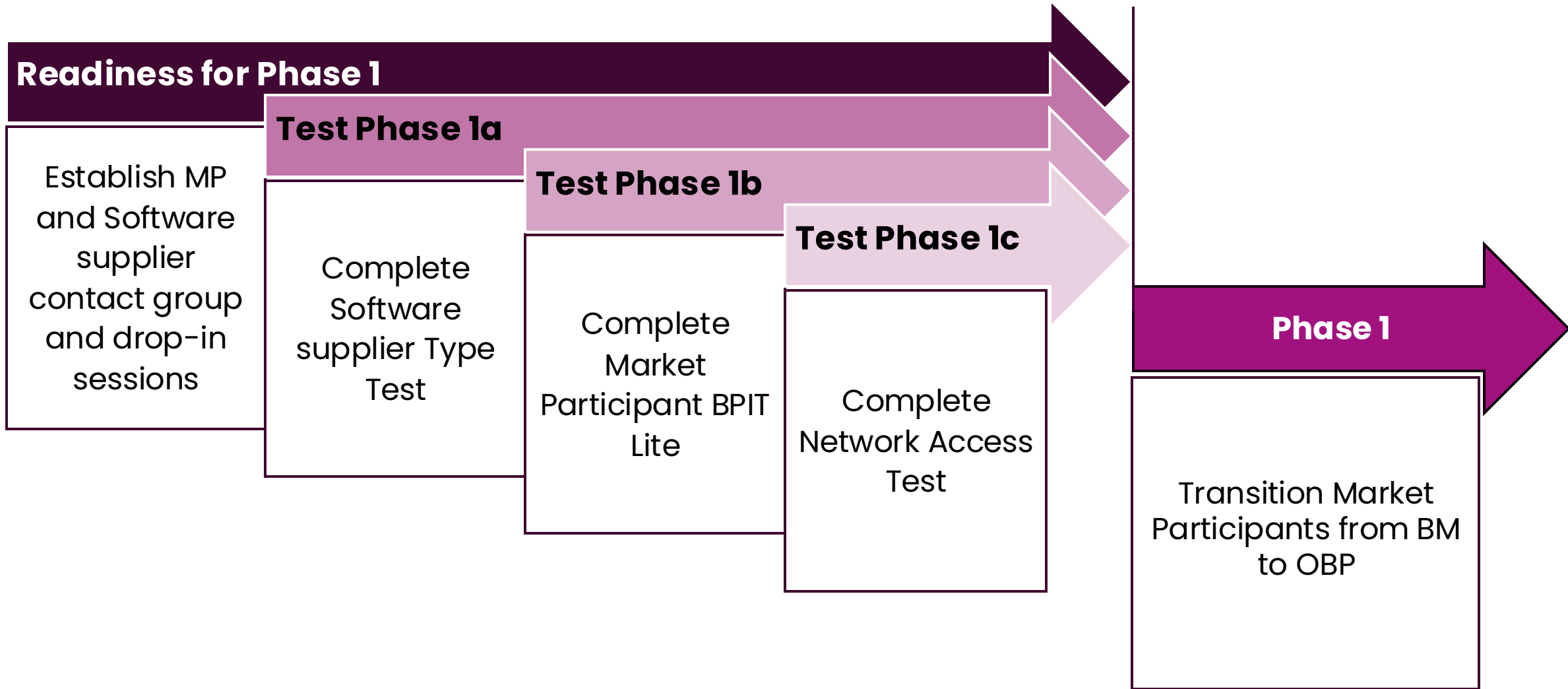
Each Market Participant will either have developed their own bespoke software for EDT and EDL or use Software supplied by an approved Software Supplier



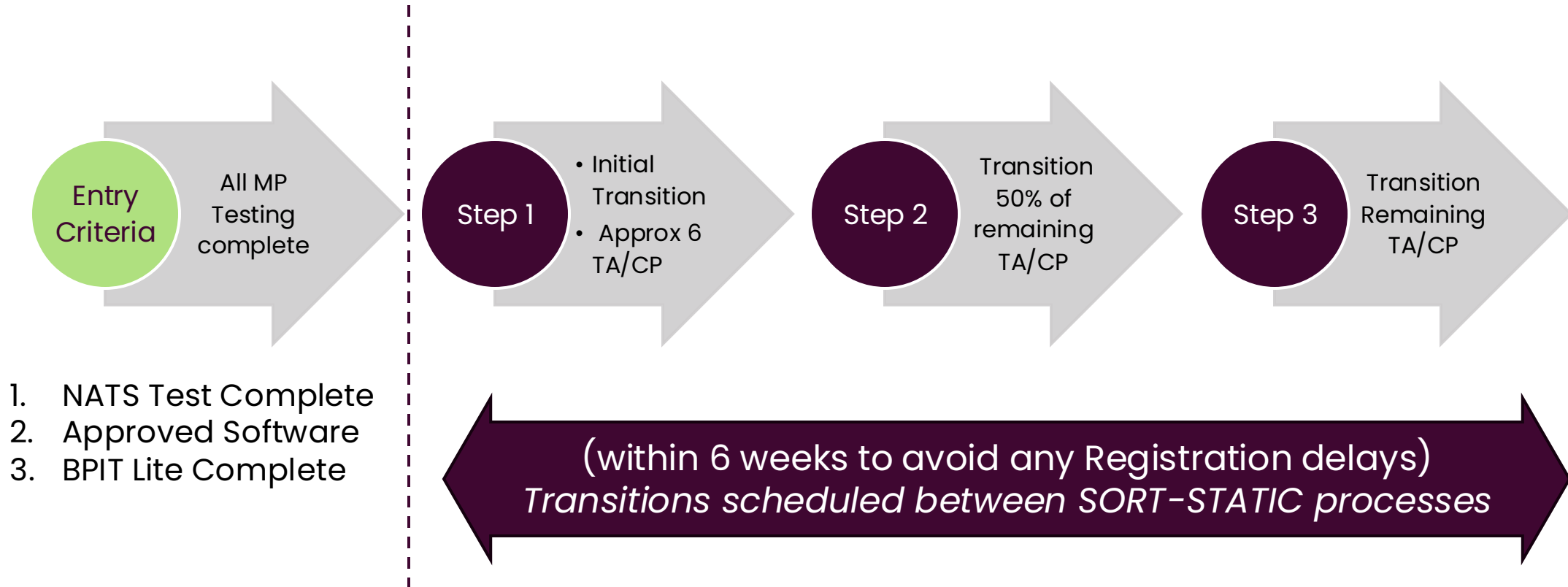
Type of Testing with NESO



OBP Market Participant Activities



Phase 1 – BM to OBP Transition

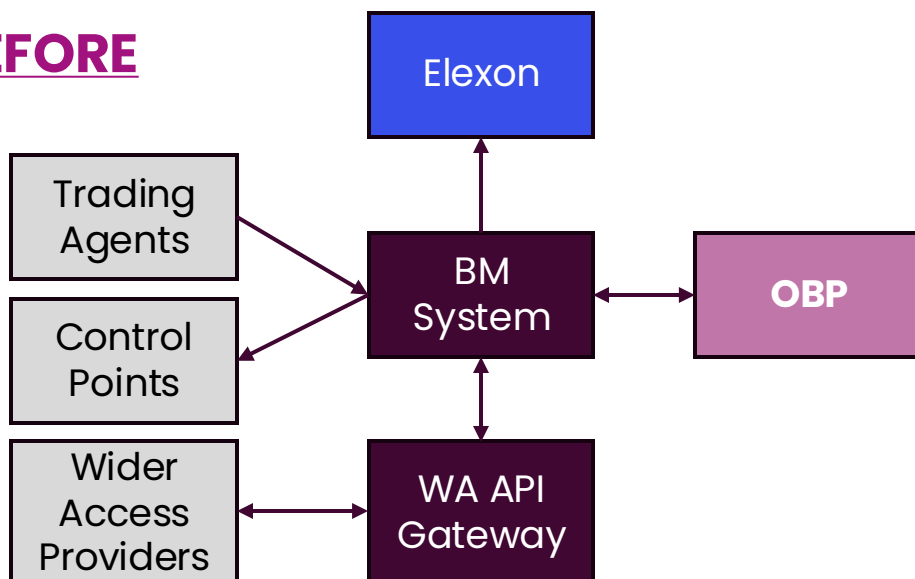


Principles of Transition

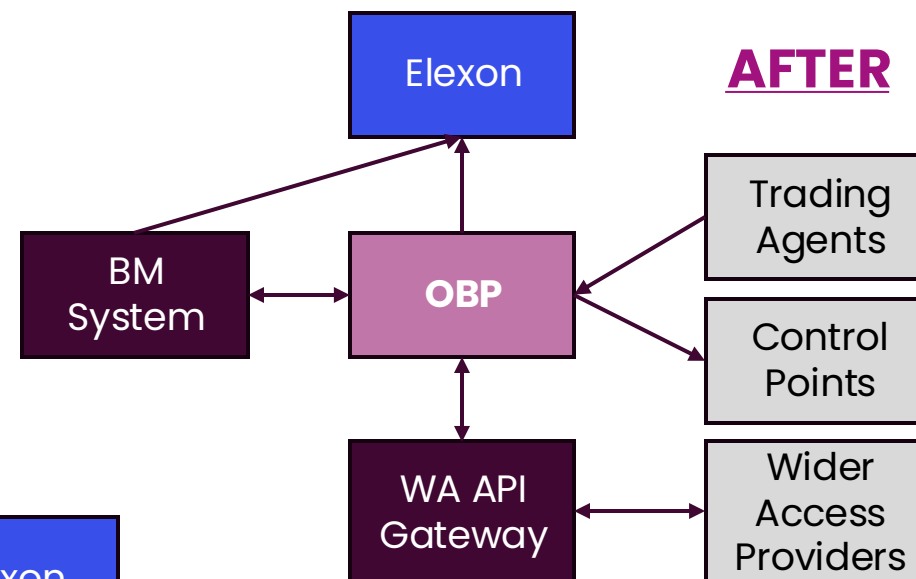


EDT / EDL Transition

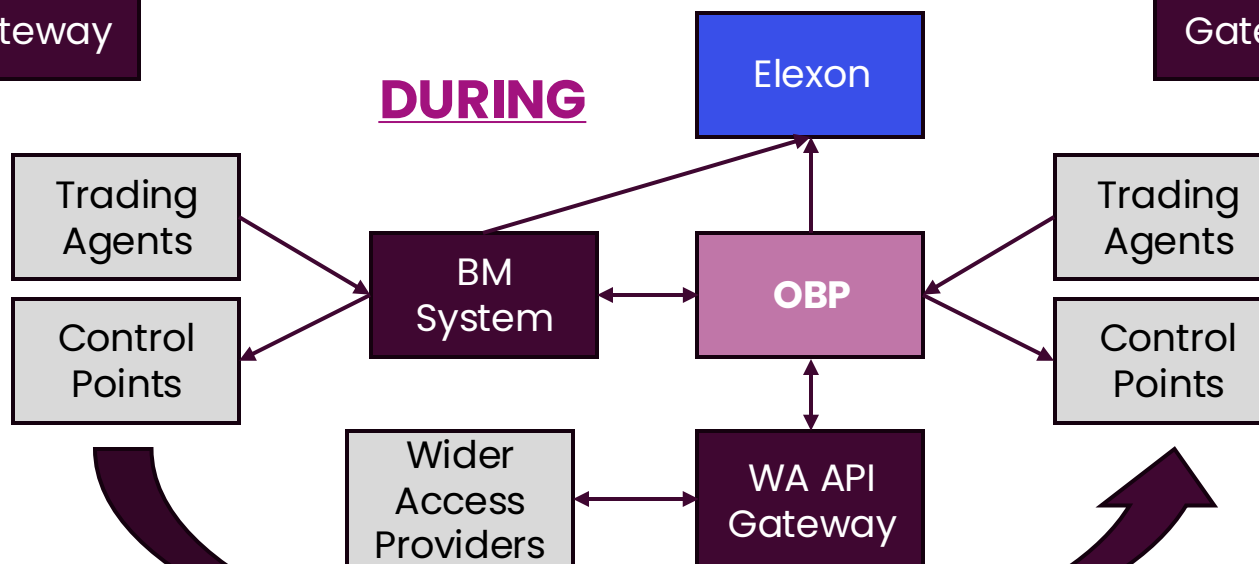
BEFORE



AFTER



DURING



Abbreviations:

- **EDL:** Electronic Dispatch & Logging
- **EDT:** Electronic Data Transfer
- **WA API:** Wider Access API

Impact on Software Vendors & Market Participants



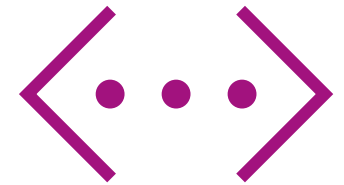
Guidance document will be published on the NESO website and shared with this focus group:

- Transition Phases
- Impact on Software Vendors and Market Participants
- Testing Requirements

Impact on Software Vendors & Market Participants

EDT Changes

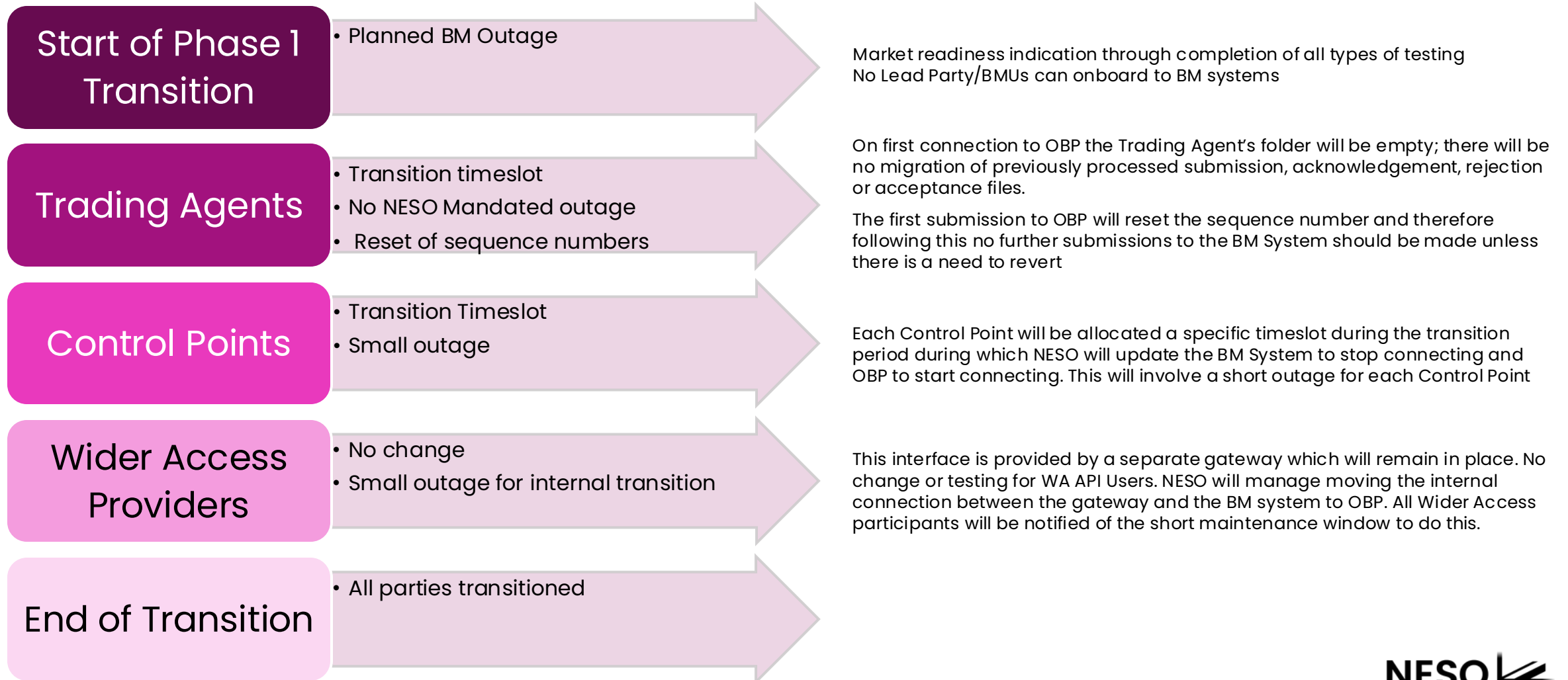
- A new Fully Qualified Domain Name (FQDN)
- A different DNS server
- For Production – IP addresses from the pool previously published but different from current BM IP addresses and for market participant test environment a new IP address
- Only support FTPS
- Different credentials



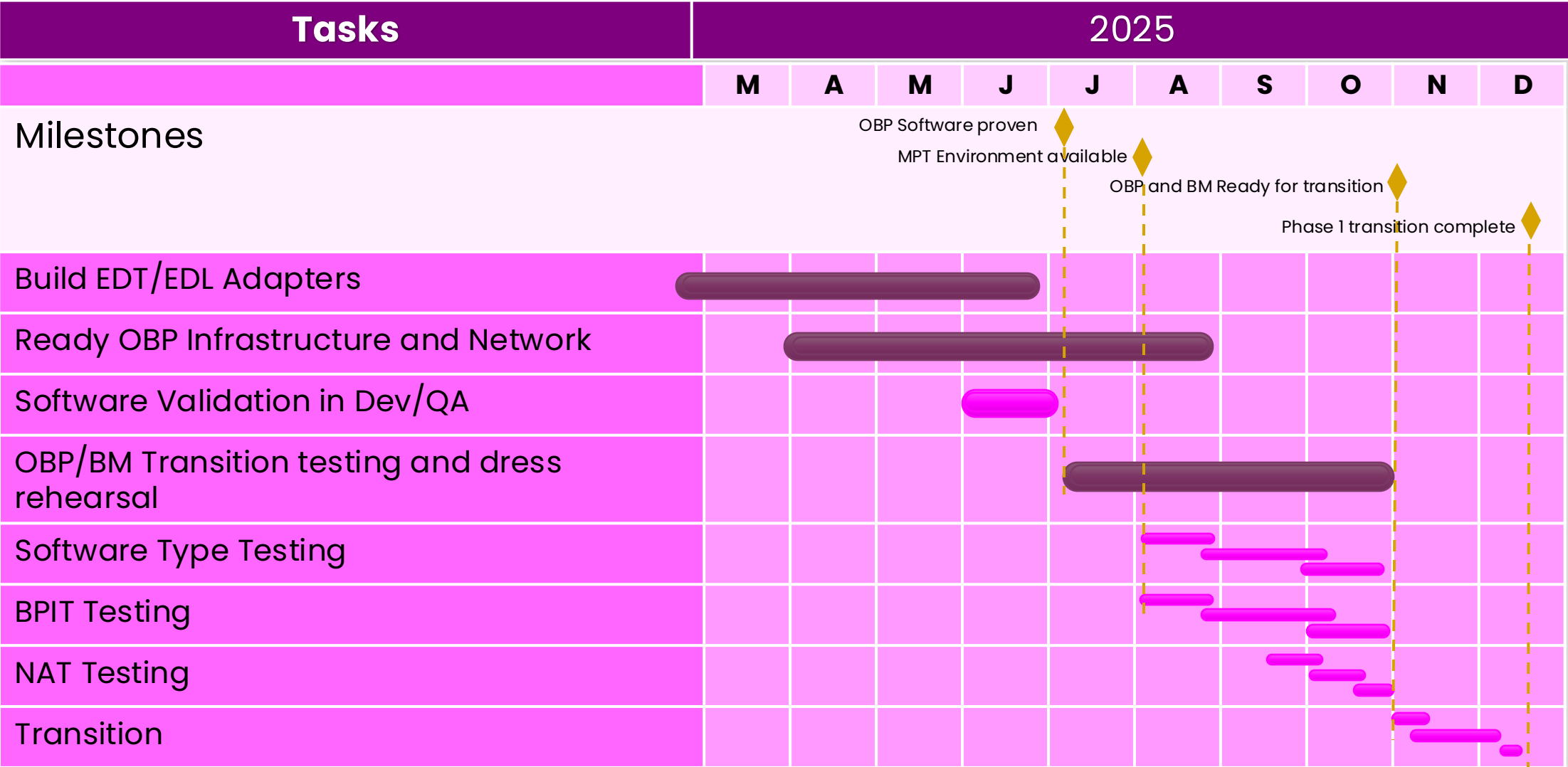
EDL Changes

- Connection established from a different IP address compared to BM
- Same pool of IP addresses as EDT but might be a different actual IP address
- Change in pattern of outage

Phase 1 – BM to OBP Transition



EDT/EDL plan on a page



MP Survey Results and Appeal



We have contacted all EDL/EDT Software Suppliers and will be planning testing with them to ensure the software interfaces successfully with our new systems.



NESO has also **contacted all Market Participants** for details of their business & IT contacts for EDL/EDT irrespective of their connectivity solution . To date, 24% of companies have responded. Even if you have a fully hosted solution managed via a 3rd party provider, we still ask that you respond to support our due diligence in ensuring every BMU is accounted for during the transition.



We will re-send out the request for business & IT contacts for EDL/EDT to those Market Participants we are yet to hear from, following this Technology Focus Group – can we kindly ask that your please do respond to support us in creating a smooth transition.



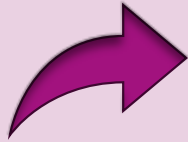
We will establish regular drop-in sessions starting in July 2025 to ensure Market Participants and Software Providers are fully supported during the transition.



Questions should be directed to box.balancingprogramme@nationalenergyso.com

Q&A

Next Steps



If you are a Market Participant who is yet to respond to our request for business and IT contact details re: EDL/EDT please do so by COB 02/05/25 – The request for this information will be re-sent out following this Technology Focus Group.

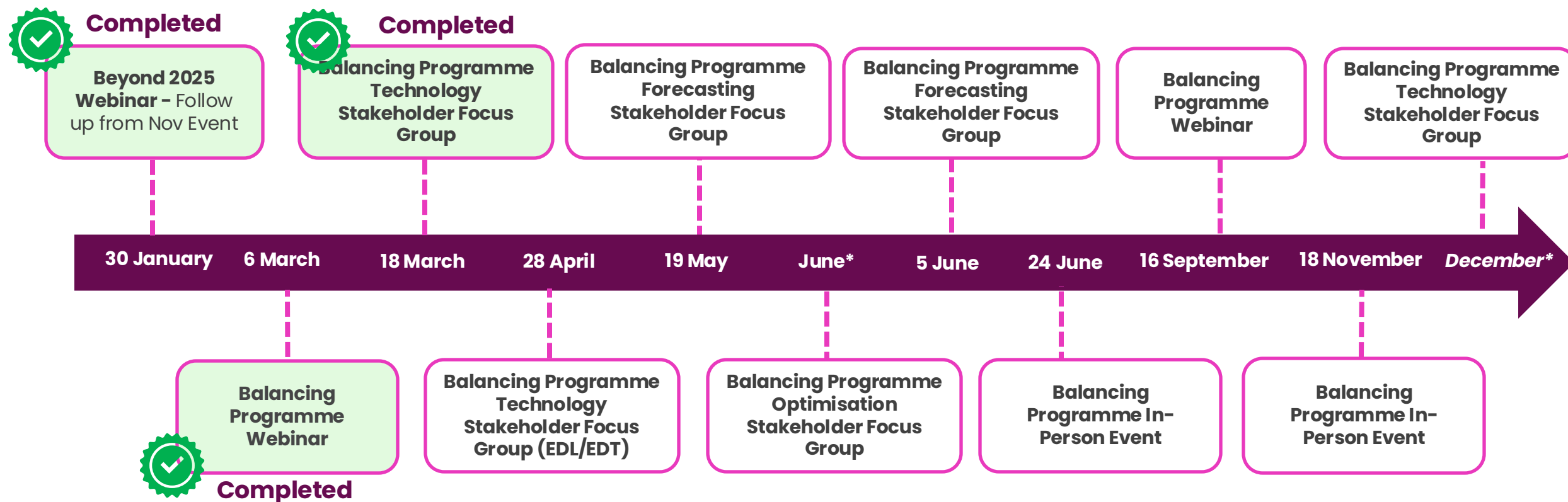


If you would like to arrange a meeting with the team to discuss the EDL/EDT transition from BM to OBP – please get in contact using the following email address: box.balancingprogramme@nationalenergyso.com



The BM to OBP EDL/EDT guidance for Market Participants will be published once approved internally & shared directly with this Focus Group. Please ensure you read through the documentation & direct any questions to: box.balancingprogramme@nationalenergyso.com

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.

Closing Remarks . . .



We welcome your feedback & questions – please get in contact with us at [**box.balancingprogramme@nationalenergyso.com**](mailto:box.balancingprogramme@nationalenergyso.com).



The recording & slides from today's session will be published on our website by the close of this week and shared with stakeholders signed up to this Technology Focus Group.



Sign-up to our other Stakeholder Focus Groups for Optimisation & Forecasting to receive invites to these sessions – [**Balancing Programme Stakeholder Focus Groups**](#).



Our 24 June 2025 in-person Balancing Programme Event has reached capacity – if you would like to attend, please register your interest [**here**](#), and if spaces become available, we will contact you.



If you are interested in a regular meeting with a representative from the Balancing Programme and would like more information, please get in contact using the email address above.



Subscribe to our NESO newsletter [**here**](#) – please select **Future of Balancing Services inc. Balancing Programme** to keep up to date.

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