

Public

Technology Stakeholder Focus Group

21 October 2024

Welcome & Agenda

Time	Title	Details
12:00 – 12:10	Welcome & setting the scene	
12:10 – 12:25	EDL/EDT Transition	<ul style="list-style-type: none">• Update on EDL/EDT transition plan inc. key check points & how to get involved in testing
12:25 – 12:40	NBM API updates	<ul style="list-style-type: none">• Progress update re: NBM API for OBP following Industry consultation
12:40 – 13:10	Digital Development Beyond 2025	<ul style="list-style-type: none">• Interactive whiteboard session re: suggestions & ideas for digital development in the balancing space beyond 2025• Feedback of ideas & discussion
13:10 – 13:25	Q&A	<ul style="list-style-type: none">• Live Q&A session
13:25 – 13:30	Next steps	<ul style="list-style-type: none">• Future engagement opportunities
13:30	Close	

Structure of the Session



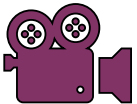
Please post any questions you have for us in the Teams chat or raise your hand – when asking a question, please introduce yourself, and your organisation, this will enable us to follow up with you after the event if necessary



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

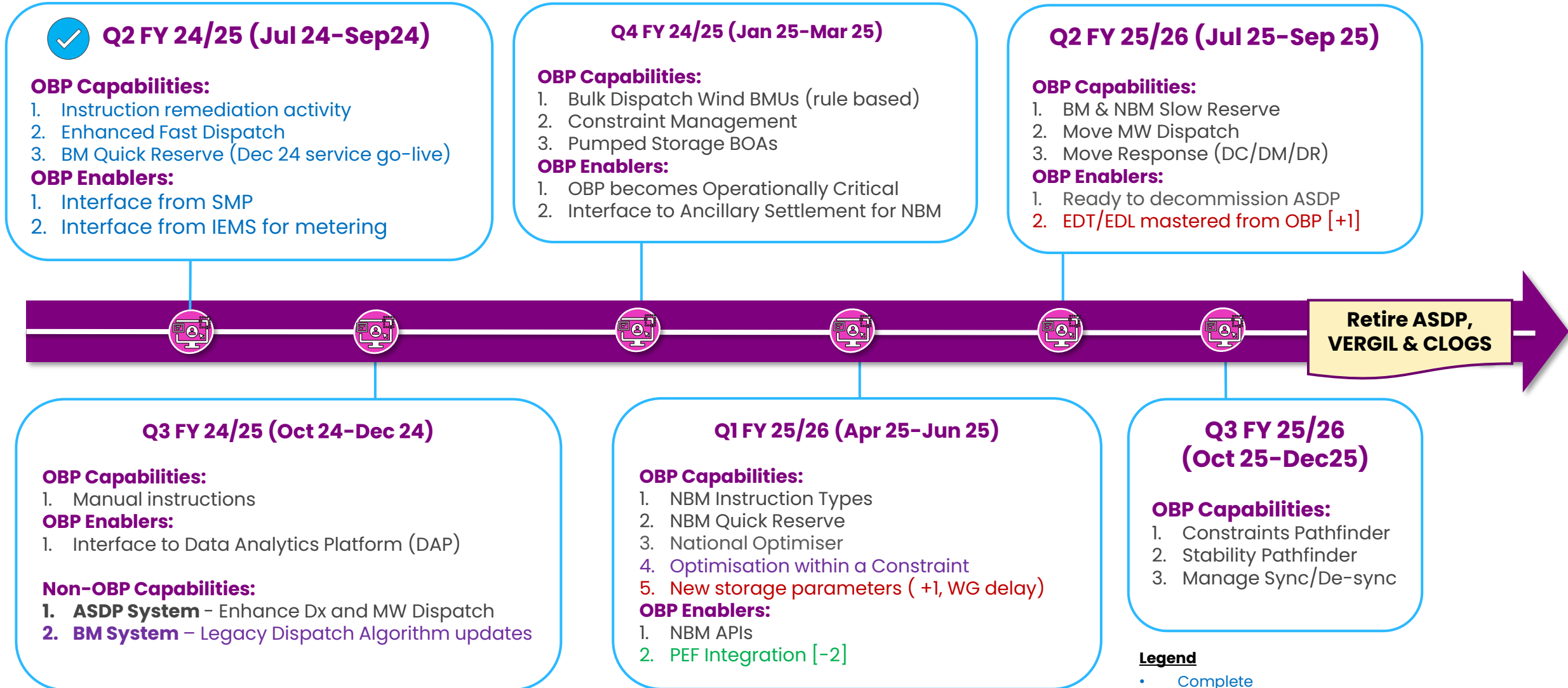


If you have any further questions after the webinar, please do not hesitate to get in contact with us at box.balancingprogramme@nationalenergyso.com



Please note this session will be recorded and published on the NESO website

Balancing Systems Release Plan



Abbreviations: DC: Dynamic Containment DM: Dynamic Moderation DR: Dynamic Regulation BOA: Bid Offer Acceptance
 DX: Dynamic Response WG: Work Group for GC0166 CLOGS: Contingency Logging System VERGIL: Versatile Graphical Instruction Logger

Legend

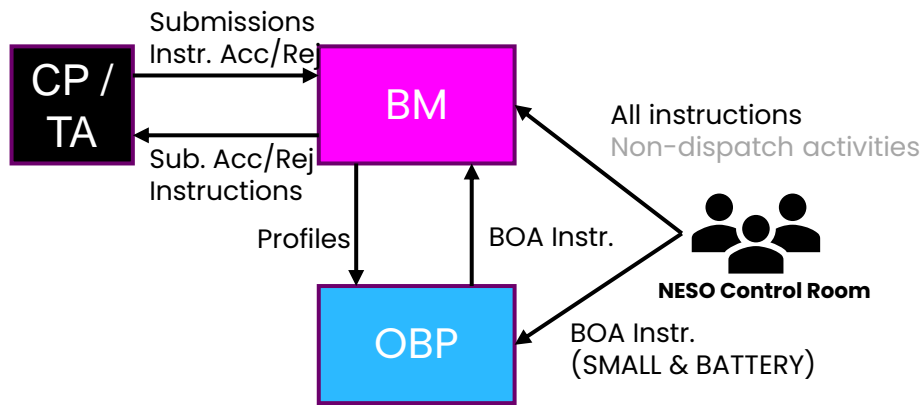
- Complete
- Moved to a later date (no. of quarters moved)
- New addition to the release plan
- Moved to an earlier date (no. of quarters moved)
- No change

EDL/EDT Transition

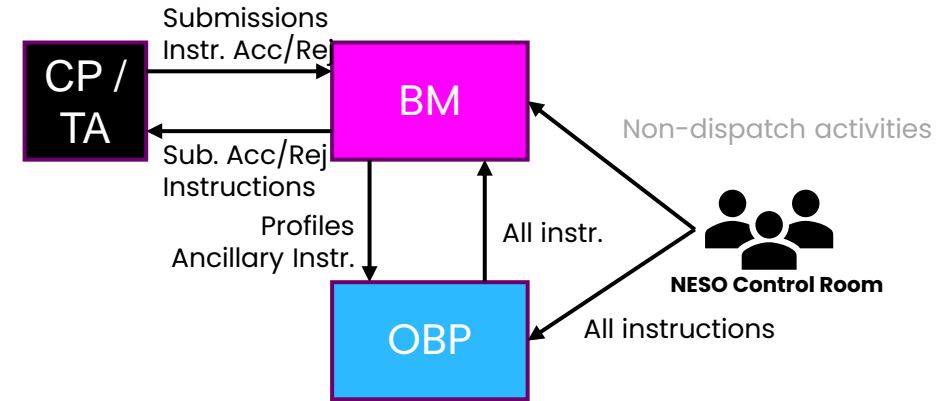
Dave Uzzell, Operational Manager

EDT/EDL Transition Strategy Refined to Avoid Big-Bang Cutover of Trading Agents (TA) & Control Points (CP)

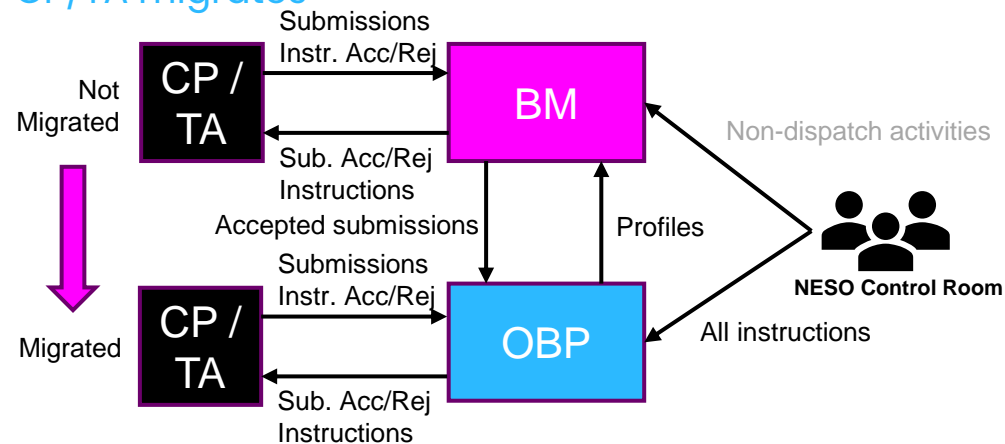
TODAY: BM is master; OBP provides bulk dispatch



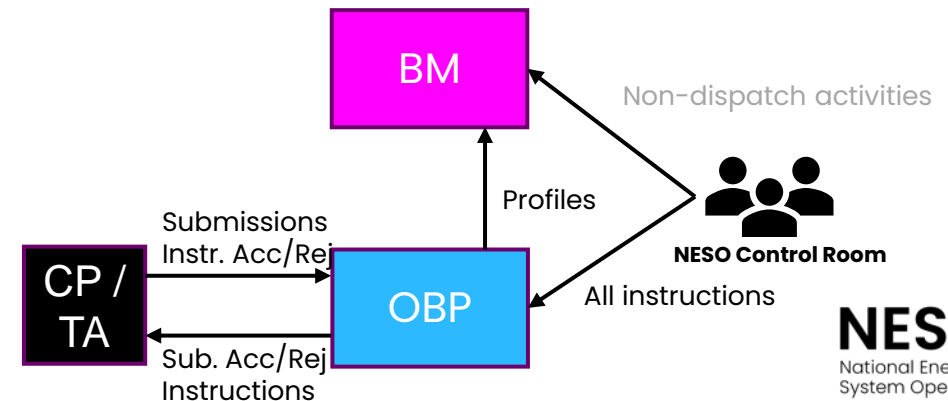
GETTING READY: OBP able to send all instructions via BM



CUT-OVER: OBP takes over profiling, defaulting and reporting; BM validates and forwards submissions until CP/TA migrates



TRANSITION COMPLETE: OBP is master and continues to provide data to BM for non-dispatch activities



Transition Activities

GETTING READY

New EDT/EDL interface on OBP –
same interface spec

New OBP **Market Participant Test environment**

Software Supplier **Type Testing**

Participant **BPIT Testing**

OBP Testing by **shadowing BM**

Planning ongoing for including MDO/MDB (Max Delivery Offer/Bid) for GC0166 pending conclusion of working group

CUTOVER

Avoid BMU config changes – aim to align with 6-week cycle

Participants allocated to a cutover window

Trading Agent responsible for updating their system to use OBP (NESO) address, OBP credentials and sftp

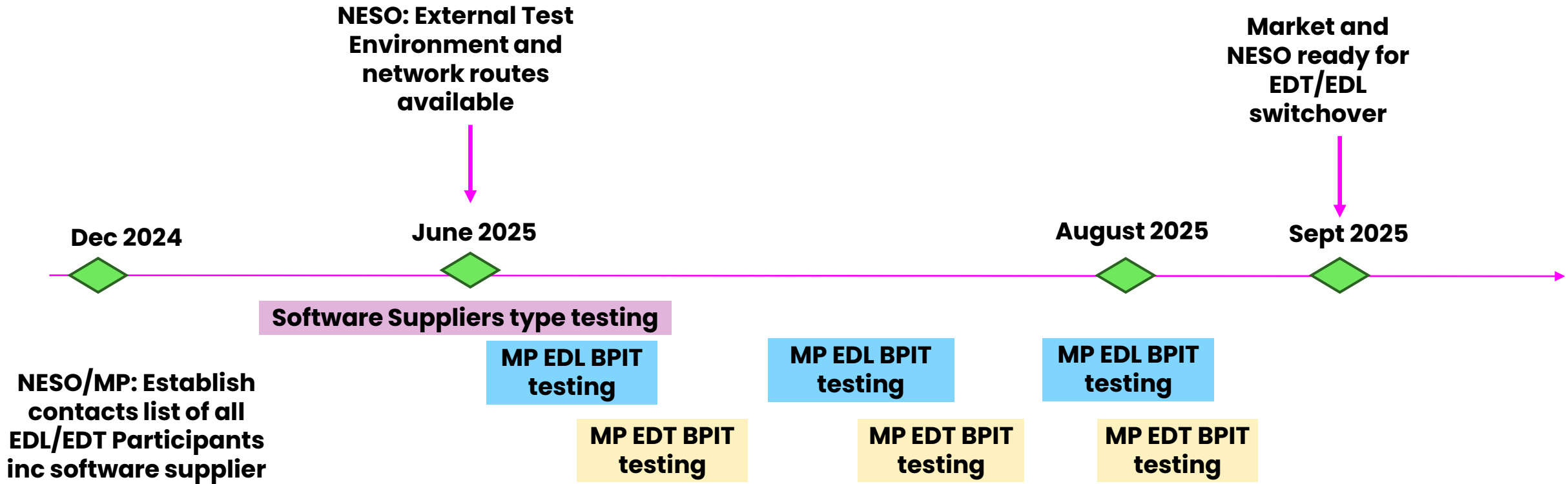
NESO responsible for updating BM to stop connecting and OBP to start connecting to **Control Points**

NESO will manage the reconfiguration internally for **WA API**

TRANSITION COMPLETE

Planning ongoing for network routing – seeking to avoid a second transition

Market Involvement



- Readiness for CP testing – with MP or Software provider**
1. Interlock IP address, CP name, BM unit name to be used in testing, channel for communication (Leased Line, WAAPI, Interconnector)
 2. Confirmation from network team around stability of connection
 3. Confirmation that it is test environment and any testing will not affect real energy
 4. Connectivity test to validate EDL redecs and EDL instructions

- Readiness for TA testing – with MP or Software provider**
1. Interlock IP address, TA name, BM unit name to be used in testing, FTP username and password
 2. Confirmation from network team around stability of connection
 3. Confirmation that it is test environment and any testing will not affect real energy
 4. Connectivity test to validate EDT submissions

NBM API updates

Chi-Ho Lam, Product Manager

Update to NBM Transition and New Reserve Services

Non-BM services are currently supported on the ASDP system and need to be migrated to OBP
Non-BM STOR and Fast Reserve (FR) will be phased out and replaced with Slow and Quick Reserve

- Short Term Operating Reserve (STOR) and FR will remain on ASDP until they are phased out
- Slow and Quick Reserve will be built on OBP using the current V3V4 web services interface
- Dynamic Response and MW Response will be migrated from ASDP to OBP using the current V3V4 web services interface

The V4 interface has been required to address NESO rebranding

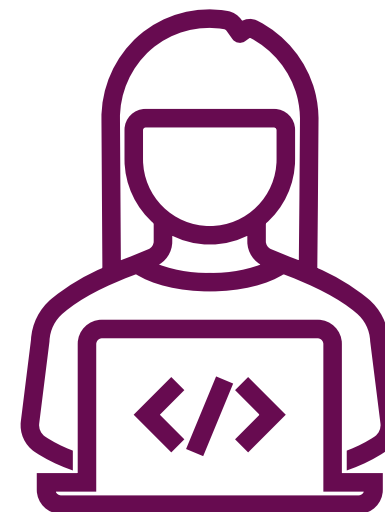
Alternative interfaces will be explored for 2026 +

NBM API Updates

- Informal industry consultation held closed 10 September
 - SOAPv4 as proposed API
 - Operational Metering to iHost
 - Settlement metering direct to Settlement System via API (out of OBP scope)
 - Treatment of crossovers (moving from one window to next)
 - Ramp Rates as potential dynamic parameter
- Limited response and feedback obtained
- Additional feedback to be requested via Markets October Reserve forum on Dynamic Ramp rates (Q: If implemented will providers use this?)
- Currently finalising API specification and internal governance; looking to share specification in next 2 weeks
- As part of service registration, MPs will be signed-up for testing that will occur in April 2025

Summary of Changes for Existing ASDP Providers

- New URL for rebranding
- Revision of message schema for rebranding
- Operational metering (RTM) through iHost Data Concentrator
- Settlement metering through new interface
- PNs required on all units (not service-specific)
- Multiple starts for same unit with different power levels
- Can be available with non-zero PN
 - E.g. 50MW unit already generating 10MW can make 40MW available to ESO
- Heartbeat required for all units on all services
 - Every 5 minutes
 - Timeout if two HBs missed
- Scheduled Date Time in dispatch message to be observed
 - Start ramping up at start time
- (Subject to approval) Battery units to supply import and export capacity
 - New optional parameters in heartbeat Max Export, Max Import (MWh)
Aligned with GC0166 (State of Charge)
- Connection to OBP will be via a new Internet Gateway; updated IP address whitelisting required

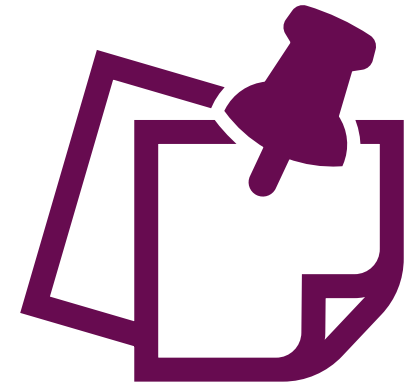


OBP Technology Development Beyond 2025

Nisha Bhamidimarri, Senior Delivery Manager

Beyond 2025 – Interactive Mural Board

- We invite you to help shape our future technology roadmap
- **Feed back to us**
 - Current expectations
 - How the current expectations are not met
 - How we can work towards to a better digital future
- **Key themes**
 - Data transparency and data sharing
 - Enable digital access to wider range Market Participants – APIs, Protocols
 - Introduction of new services and upcoming market changes, i.e., REMA



Q&A

Nisha Bhamidimarri, Senior Delivery Manager

Engagement Opportunities ...



NESO newsletters with Balancing Programme content issued regularly, providing updates between online & in-person events



Offer of 1-1 relationship managers within the Balancing Programme

You can sign-up to our London November Balancing Programme Event by clicking [here](#)

Next Steps . . .



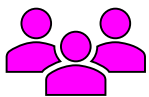
Slides from today's session will be published on our website, along with the webinar recording



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



We welcome your feedback & questions – please get in contact with us at box.balancingprogramme@nationalenergyso.com.



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



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.

Public

Technology Stakeholder Focus Group

21 October 2024