

Public

Balancing Programme Webinar

March 2026

Webinar Agenda

Time	Agenda Item	NESO Presenters	Details
11:00 – 11:10	Welcome & Setting the Scene	Brendan Lyons , Balancing Programme Director	General overview of the Balancing programme & NESO 1 plan
11:10 – 11:30	Balancing Systems Roadmap Update	Neil Morgans , Principal Product Manager	<ul style="list-style-type: none"> • Delivery progress since November 2025 • Roadmap updates • ASDP migration & decommissioning
11:30 – 11:40	EDT/EDL Update	David Uzzell , Operational Manager Senior Delivery Manager Nisha Bhamidimarri , Senior Delivery Manager – Balancing Transformation	High level update on the EDT/EDL transition to OBP
11:40 – 11:55	GC0166 Update	Bernie Dolan , Principal Product Manager	GC0166 implementation and scenarios
11:55 – 12:05	Forecasting and Predictions Update	Richard Sykes , Product Manager	<ul style="list-style-type: none"> • Delivery progress since November 2025 • Roadmap updates
12:05 – 12:30	Q&A and Next steps	Heather Clatworthy , Strategy & Stakeholder Lead	<ul style="list-style-type: none"> • Engagement timeline • June 2026 in-person event – topic suggestions
12:30	Close	Brendan Lyons , Balancing Programme Director	

Q&A



We have time for Q&A at the end of today's session.

Please ensure you ask questions **INCLUDING your name and the organisation** you represent.

Simply click on the "Q&A" function within teams and post your question



Meet the NESO Team



Brendan Lyons
*Balancing
Programme Director*



Bernie Dolan
*Principal Product
Manager, OBP*



Nisha Bhamidimarri
*Senior Delivery
Manager, OBP*



Rich Sykes
*Product Manager,
PEF*



Beth Wilks
*Strategy & Engagement
Manager*



Heather Clatworthy
Strategy & Stakeholder Lead



Neil Morgans
*Principal Product
Manager, OBP*



Jon Wisdom
*Head of Market
Change Delivery*

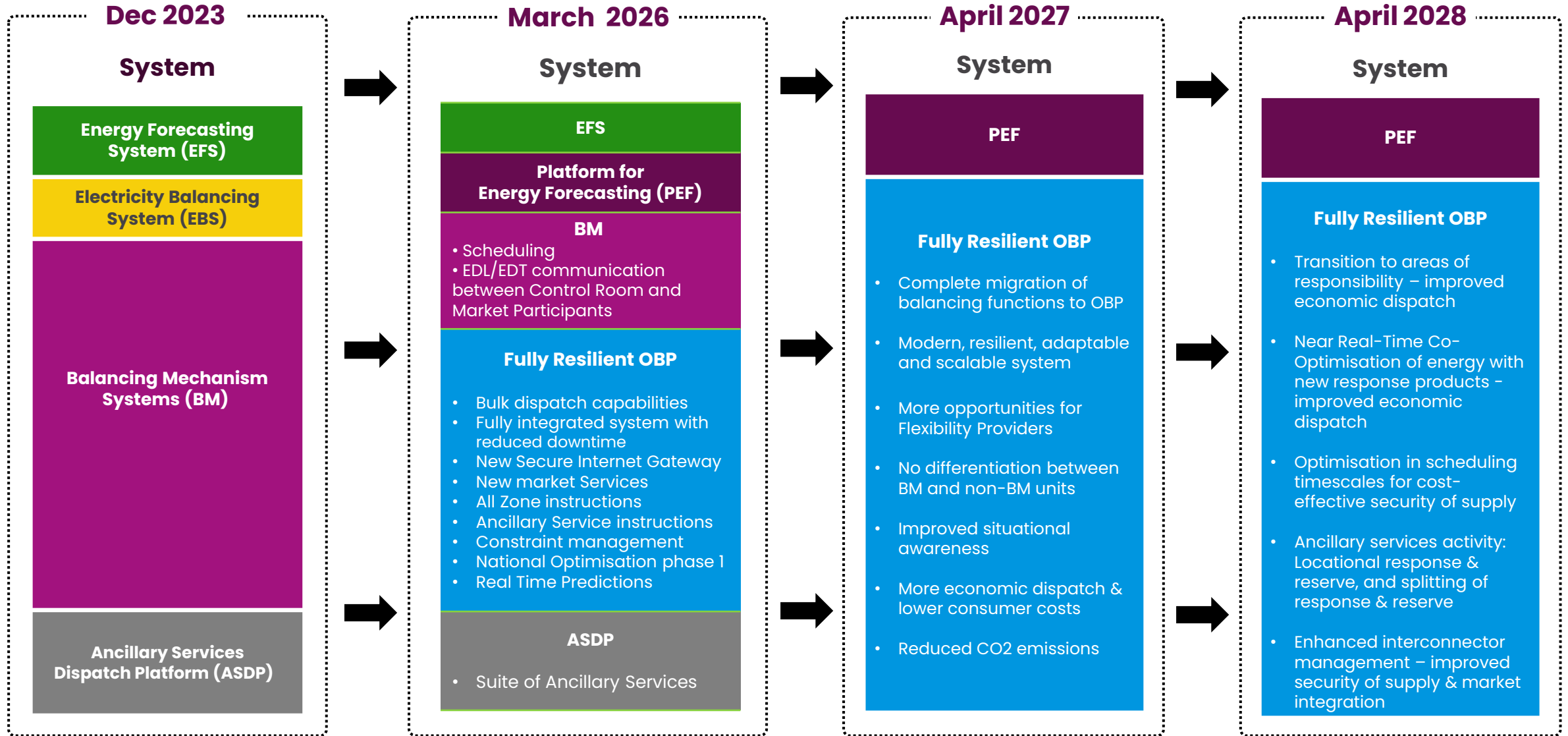


David Uzzell
*Operational
Manager*

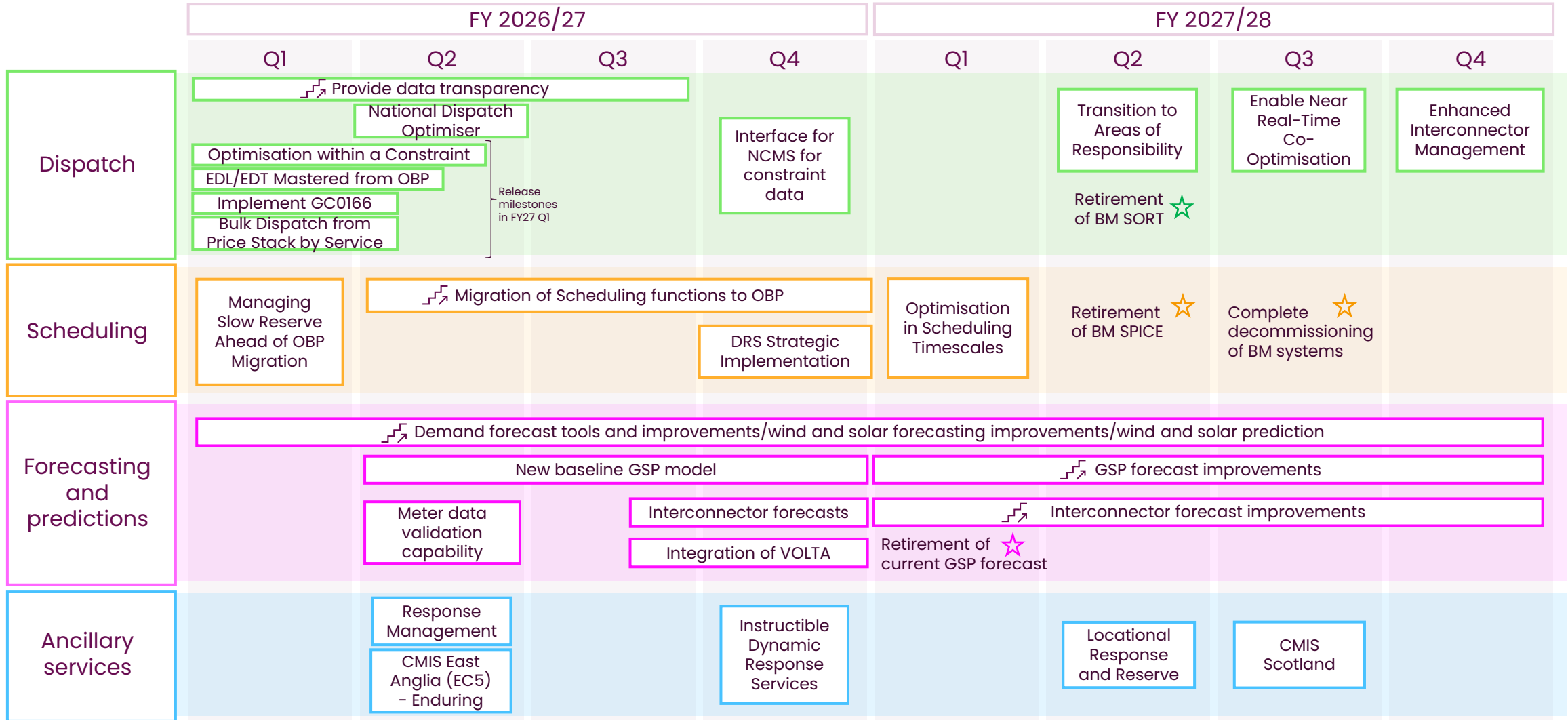
Balancing Programme: Setting the scene

Brendan Lyons, Balancing Programme Director

System Transformation – Where are we?



Balancing Programme Roadmap – NESO1



Key: Decommissioning milestones Incremental improvements New releases/product updates Acronyms: DRS – Dynamic Reserve Setting GSP – Grid Supply Point CMIS – Constraint Management Intertrip Service

2023 – 2028: Balancing & Forecasting Capability Journeys

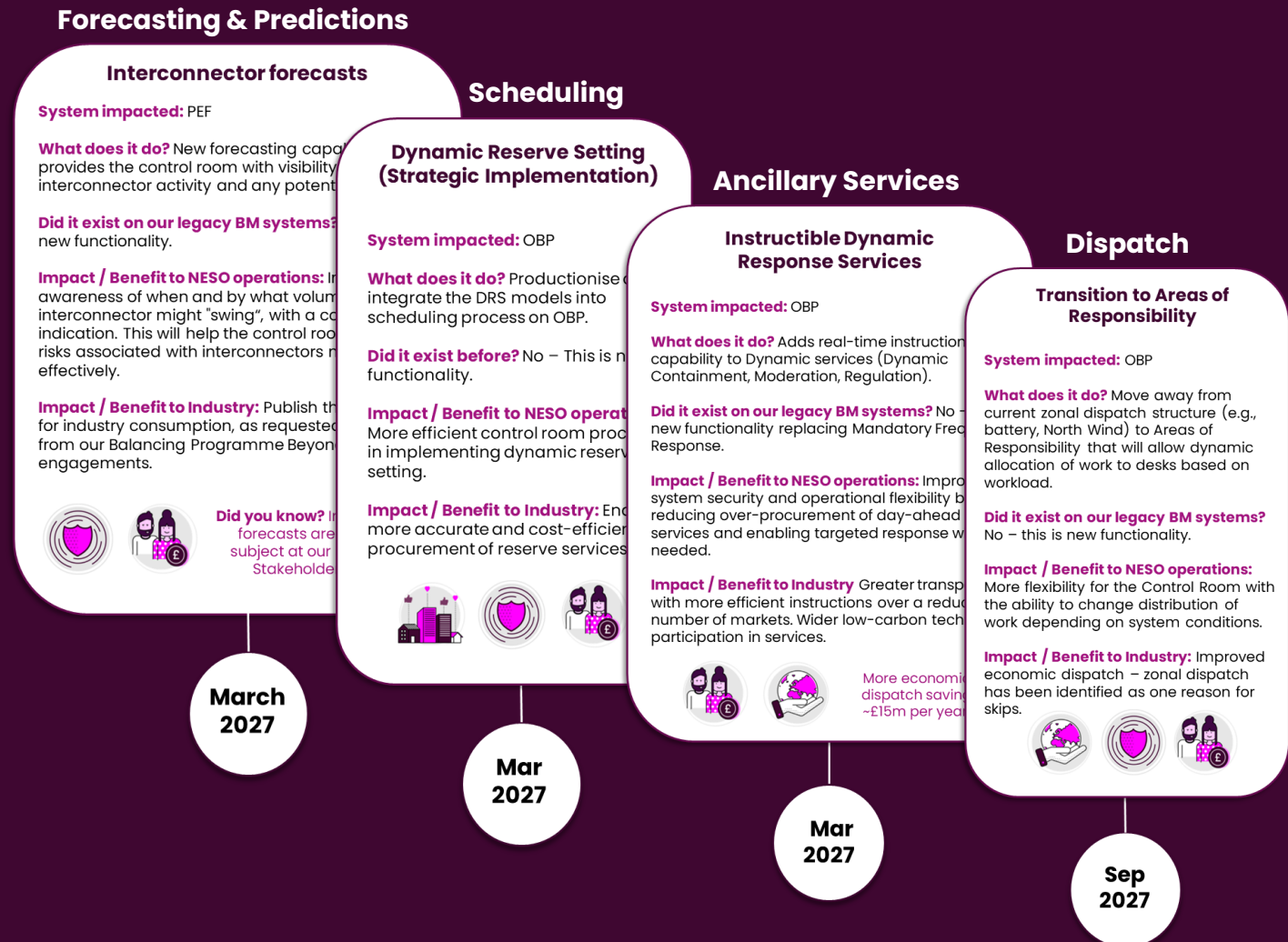
Want to learn more about what the Programme has delivered so far, and what's still to come?

We've broken our delivery into four capability journeys, each showing how the Electricity National Control Centre is already using the functionality delivered, and how it will continue to do so in the future.

These journeys highlight the benefits and impact for the Control Room & industry, the key challenges addressed, and how our work aligns with NESO's strategic goals.

The capabilities you see have been shaped through a combination of external engagement & internal NESO workshops.

View our capability journeys [here](#).



Balancing Systems Roadmap Update

Neil Morgans, Principal Product Manager

Key Areas of Progress: Nov 2025 – Mar 2026

OBP

OBP Strategic Deployment

NEW PLATFORM

What it delivers: A new, resilient OBP platform operating across multiple datacentres, removing the need for planned outages.

Why it matters: Moves from interim OBP Lite to a resilient, high-availability strategic platform.

Benefits: Higher dispatch resilience and reduced operational interruption during system balancing.

Impact for stakeholders: Fewer outage-related impacts, smoother dispatch processes, and more consistent, efficient operational decisions.

OBP

National Dispatch Optimisation (NDO)

LIVE

What it delivers: Automated, constraint-aware optimisation of energy and frequency response, producing system-wide dispatch advice every 5 minutes.

Legacy gap: Will replace outdated technology that couldn't support modern flexible assets (currently parallel run).

Benefits: More accurate and economically efficient dispatch; reduced skip rates.

Impact for stakeholders: More reliable, optimised instructions aligned to system constraints.

BM

Dynamic Reserve Setting (DRS)

LIVE

What it delivers: DRS using machine-learning models based on demand, wind and system conditions.

Legacy gap: Static reserve settings over-hold reserve and create unnecessary cost; DRS updates requirements far more accurately.

Benefits: More precise reserve sizing, reducing unnecessary procurement.

Impact for stakeholders: More reliable, optimised instructions aligned to system constraints.

OBP

Instruction Improvements

ENHANCEMENTS

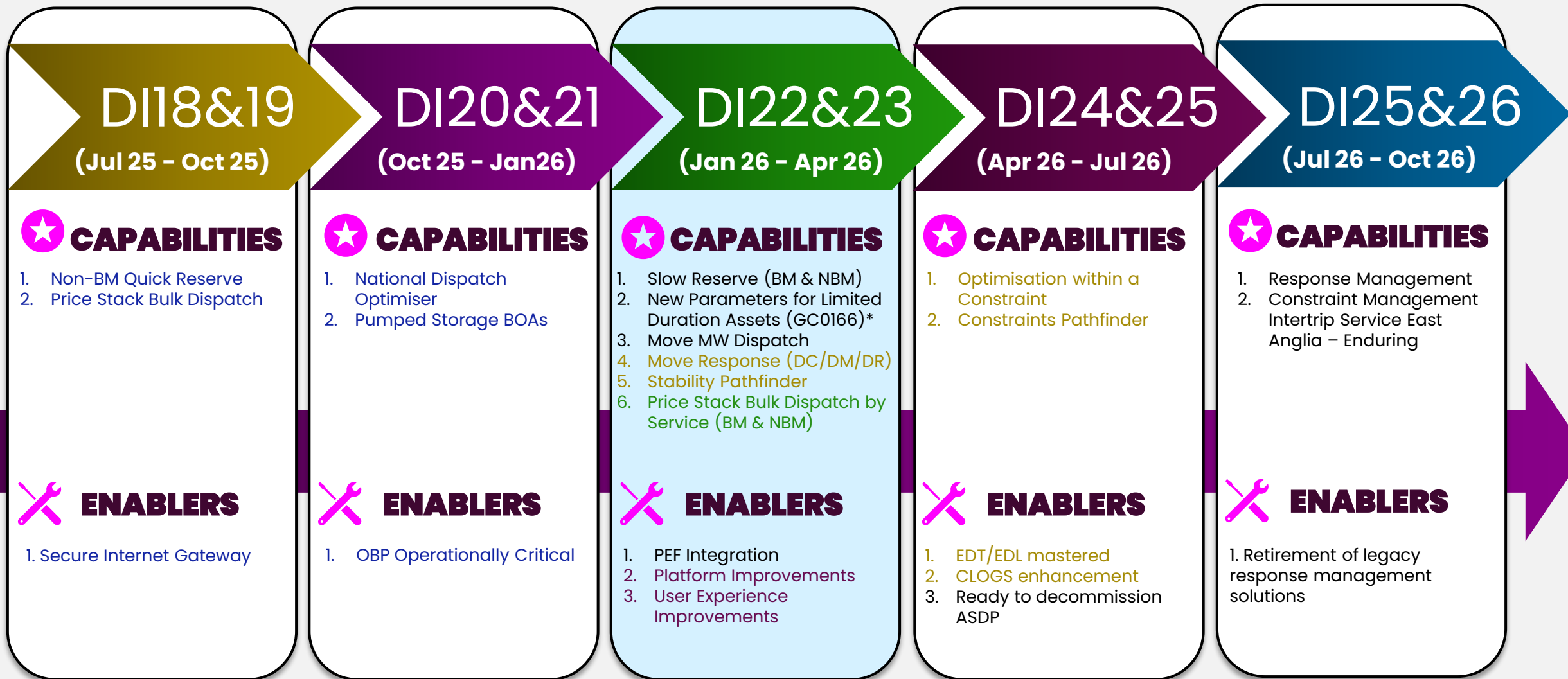
What it delivers: A clearer, more consistent instruction process with support for Pumped Storage BOAs, multi-unit dispatch from price stacks, and dispatch across all zones from OBP.

Why it matters: Removes fragmented steps and brings all dispatch types into one approach, making it easier and quicker to issue the right instructions.

Benefits: Faster instruction creation, less manual effort, and greater flexibility in how units can be dispatched.

Impact for stakeholders: Quicker, more reliable instruction handling and smoother real-time operational decisions

OBP Roadmap Update – March 2026



Legend:
 Delivered
 Brought Forward
 Moved Backwards
 New Scope
 No change

API – Application Programming Interface
ASDP – Ancillary Services Dispatch Platform
BMU – Balancing Mechanism Unit
BOA – Bid Offer Acceptance
CLOGS – Contingency Logging System

DC – Dynamic Containment
DM – Dynamic Moderation
DR – Dynamic Regulation
DX – Dynamic Response
 * Technical Go-Live

EDL – Electronic Dispatch & Logging
EDT – Electronic Data Transfer
NBM – Non-BM Unit
DI – Delivery Increment

[DI Closure Reports](#)

Changes to the Balancing Systems Release Plan

Price Stack Bulk Dispatch by Service (BM & NBM): (Brought forward for SR Day 1)

Delivered earlier to support Slow Reserve go live, enabling service level instructions from the price stack screen on Day 1.

User Experience (UX) & Platform Improvements: (New scope based on Control Room feedback)

Delivered streamlined instruction journeys, improved data tables, new shortcuts and clearer visuals to reduce process time and support adoption.

Migrate Non-BM Response (DC/DM/DR): (Rescheduled to 31 March 2026)

Rescheduled to 31 March 2026 to complete OBP Strategic stability work and to allow providers to finalise Market Participant Testing.

EDT/EDL: (Rescheduled to Q1 FY26/27)

Rescheduled to allow completion of network and software updates, endpoint changes and Market Participant Testing before cutover. These changes allow for enhanced network resilience compared to the BM Systems configuration.

Contingency Logging System (CLOGS) Enhancement: (Aligned to the EDT/EDL transition Q1 FY26/27)

Aligned with the EDT/EDL transition; will operate with both OBP and BM to maintain contingency coverage.

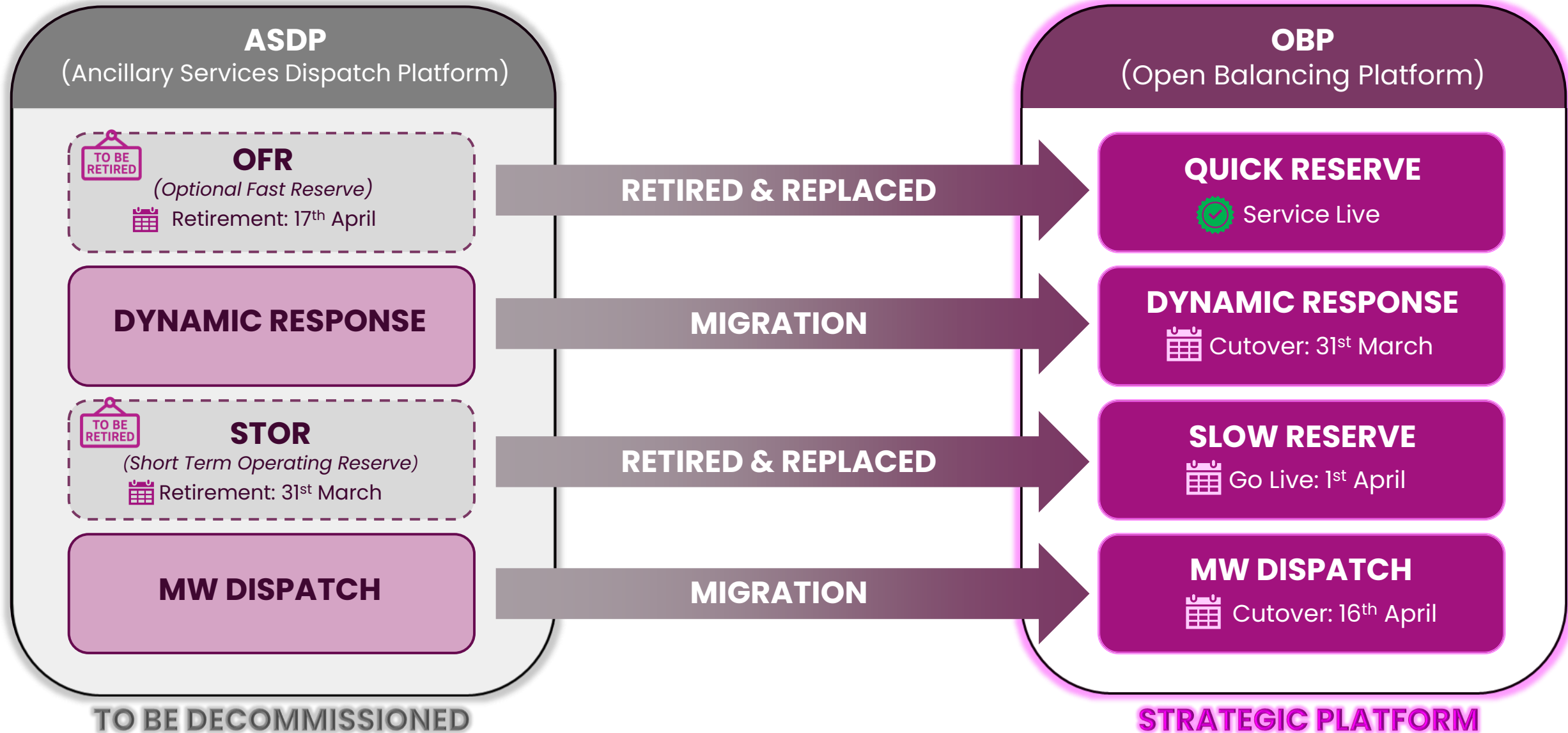
Optimisation within a Constraint: (Rescheduled to Q1 FY26/27)

Rescheduled to follow completion of NDO observations and stabilisation of supporting OBP components.

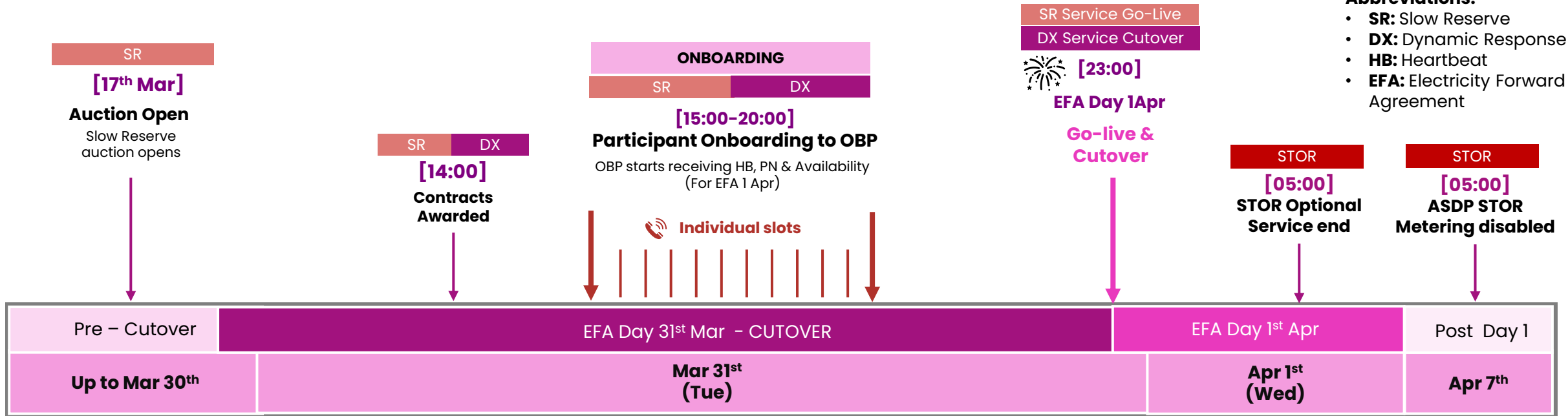
Stability & Constraints Pathfinders: (Rescheduled to Q1 FY26/27)

Delivery has been re-sequenced to accommodate prioritised operational releases and additional scope, initial delivery now due in April.

ASDP Migration & Decommissioning (Non-BM Services Only)



Cutover/Go-Live Timeline (SR & DX)



- Abbreviations:**
- **SR:** Slow Reserve
 - **DX:** Dynamic Response
 - **HB:** Heartbeat
 - **EFA:** Electricity Forward Agreement



6-hour overlap with SR/STOR – cannot declare available for the both services in the same period.

References: Quick & Slow Reserve, Dynamic Response

NESO Dynamic Service website:

- Dynamic Response **Service Terms, Service and Procurement Design**
- **Business Logic Document – OBP**
- **IT Integration** – NBM Web Service (v4), Operational Metering, Performance Metering

NESO Quick Reserve website:

- Quick Reserve **Service Terms, Service and Procurement Design**
- **Business Logic Document**
- **IT Integration** – NBM Web Service (v4), Operational Metering, Performance Metering

NESO Slow Reserve website:

- Slow Reserve **Service Terms, Service and Procurement Design**
- **Business Logic Document**
- **IT Integration** – NBM Web Service (v4), Operational Metering, Performance Metering

Dynamic Services (DC/DM/DR)

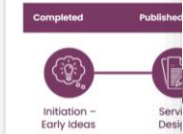
Dynamic Containment (DC), Dynamic Moderation (DM) and Dynamic Regulation (DR) make up our suite of Dynamic Response Services. Together they work to control system frequency and keep it within our licence obligations of 50Hz plus or minus 1%. DM provides fast acting pre-fault delivery for particularly volatile periods, and DR is our staple slower pre-fault service. DC is our post-fault service.

Ofgem have published their [decision](#) on the Frequency Response Release 3 Submission. Ofgem have approved 10 out of 12 changes with 2 changes to be resubmitted when NE.

Frequency Response Release 3 includes changes approved for immediate implementation, and clarifications on requirements; and clarifications on /

Full details of the changes can be found on this webpage.

The indicative timeframe for the completion of the changes is as follows:



Technical requirements

Here are the technical requirements

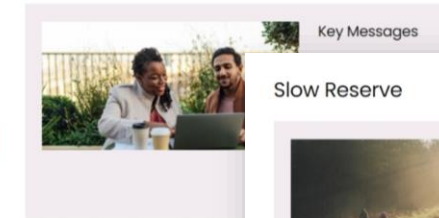
Service specification

Initiation time

Max time to full

Quick Reserve

Quick Reserve is a service used to quickly balance the energy supply and demand to keep the electrical frequency stable. This is important because the system is changing, and we need faster ways to manage energy imbalances.



Key Messages

Slow Reserve



Project Update

18 March 2025

NEO have published the formal [Go-Live Notice](#) for the Slow Reserve (SR) service. As a result, the SR auction will open on Tuesday 17th March at 08:00, with the first auction set to run at 14:00 on 31st March, as previously communicated.

Please note, this will also trigger the end of the STOR service at 05:00 1st April 2026, as set out in the Slow Reserve Transition Plan.

Negative Quick Reserve (NQR) & Positive Quick Reserve (PQR)

There are two types of Quick Reserve: Negative Quick Reserve (NQR) and Positive Quick Reserve (PQR). They both work to balance the system and return the frequency close to 50.0 Hz.

Phase one of Quick Reserve went live on the Enduring Availability (EAC) platform on 19 November 2024. We're now working on Phase 2, which will include more participants for Phase 2 went out for consultation in January 2025.

To take part, providers need to prequalify by creating their units in the [Single Markets Platform](#) and complete the qualification for the service. Key guidance and demo files can be found on this [page](#).

If you have any questions, please [contact us](#).

How to Participate

How to participate

Please find supporting documentation below to support integration material in this section is applicable to non-EM service providers.

Further enquiries:

Email: fas.futureofbalancing@neso.energy

Slow Reserve Requirement Forecast

Please find a link to the published Requirement Forecast for both positive and negative Slow Reserve on the NESO Data Portal.

Slow Reserve Requirement Forecast

How to Participate

How to Participate	IT Integrations	Technical requirements	Document library	Latest news	Post events
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Webinars

Quick Reserve and Slow Reserve webinar recording – 9 March 2023

Response and Reserve Webinar Recording: 04 Nov 2021

EDL/EDT Transition Update

Nisha Bhamidimarri, Senior Delivery Manager;

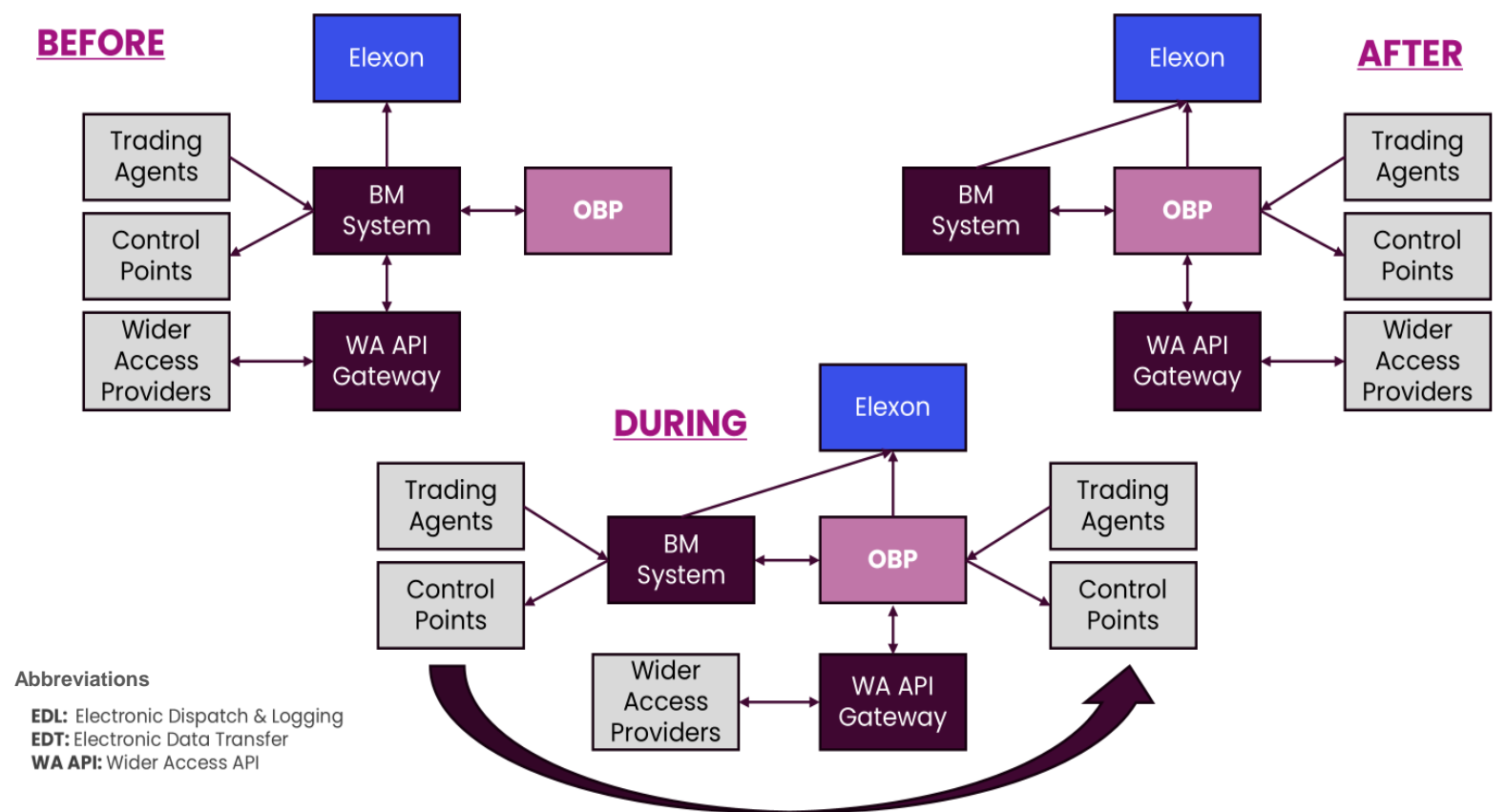
David Uzzell, Senior Delivery Manager

EDT/EDL Transition to OBP

What? NESO are updating their IT systems that enable BSC parties to send and receive Electronic Data Transfer (EDT) and Electronic Dispatch and Logging (EDL) data to/from NESO, as NESO transition BM system functionality onto the OBP.

When? The EDT/EDL transition to OBP is scheduled for Q1 FY 26/27 (April – June 2026).

Further Information? Catch up on our January 2026 Technology Focus Group [here](#) for more information on the upcoming changes, impact on Software Suppliers and Market Participants and testing timelines.



EDT/EDL Transition Update

Progress to Date:

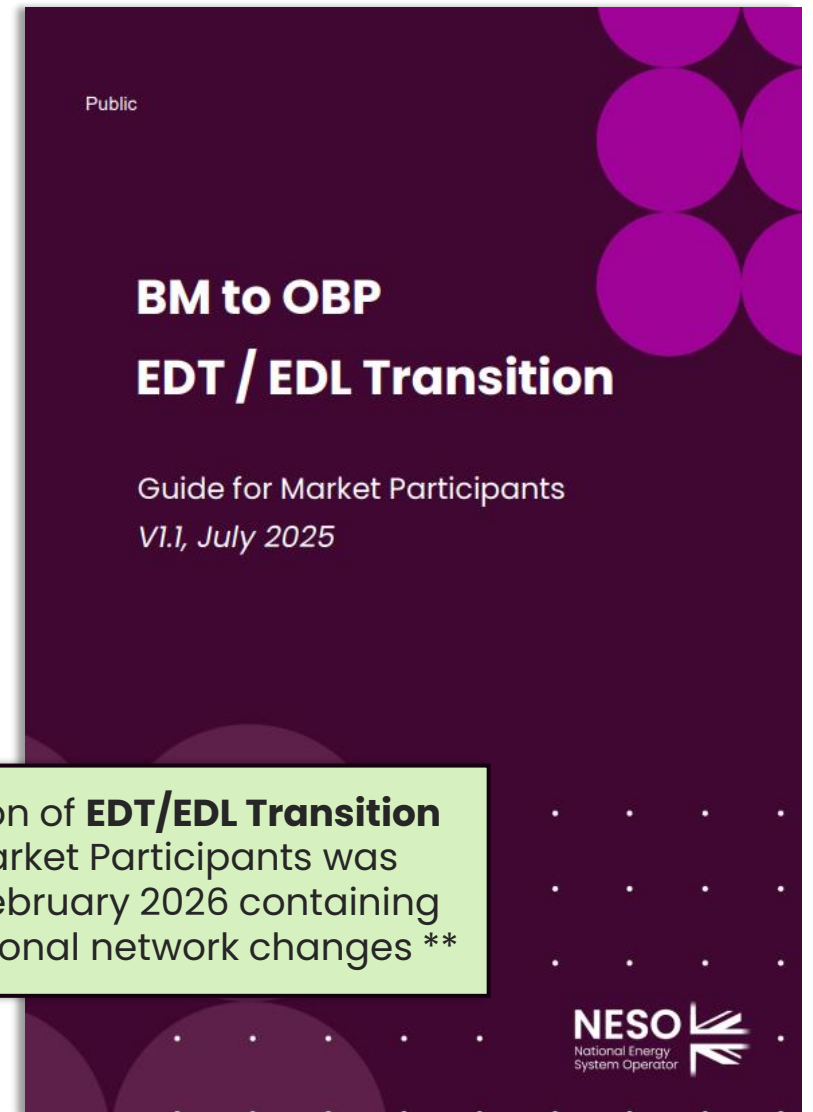
- ✓ NESO EDT and EDL software development complete
- ✓ Engaged with all Trading Agents and Control Points
- ✓ Network changes started with Software Suppliers & Market Participants
- ✓ Software Suppliers engaged in EDT and EDL testing
- ✓ EDT and EDL Type testing round one completed

Next Steps

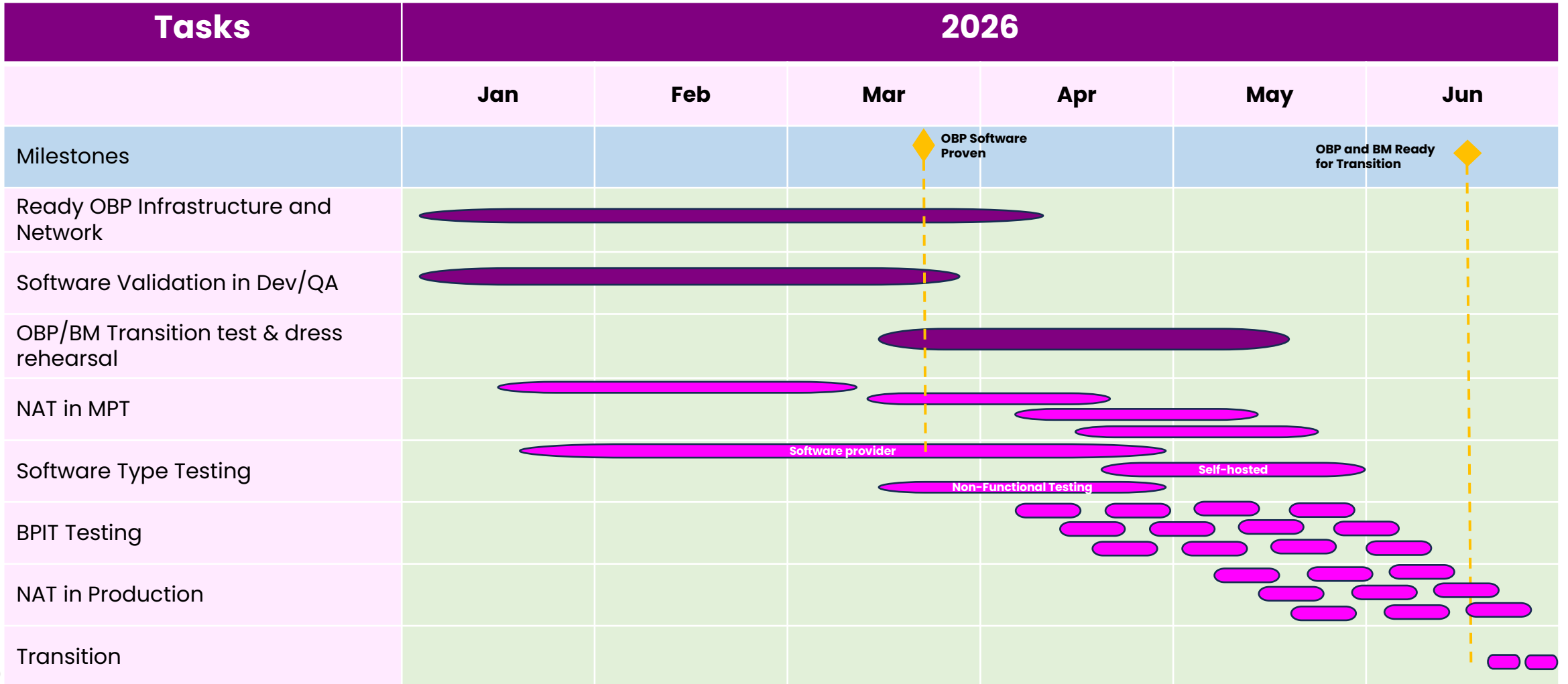
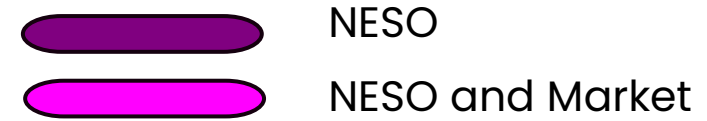
- Complete all network changes
- Complete all Type tests with Software Suppliers
- Commence BPIT tests
- Agree and communicate cut-over dates

Guidance Document

- Details on transition phases
- Impact on Software Vendors and Market Participants
- Overview of Testing Requirements
- Access the Guide for Market Participants [here](#)



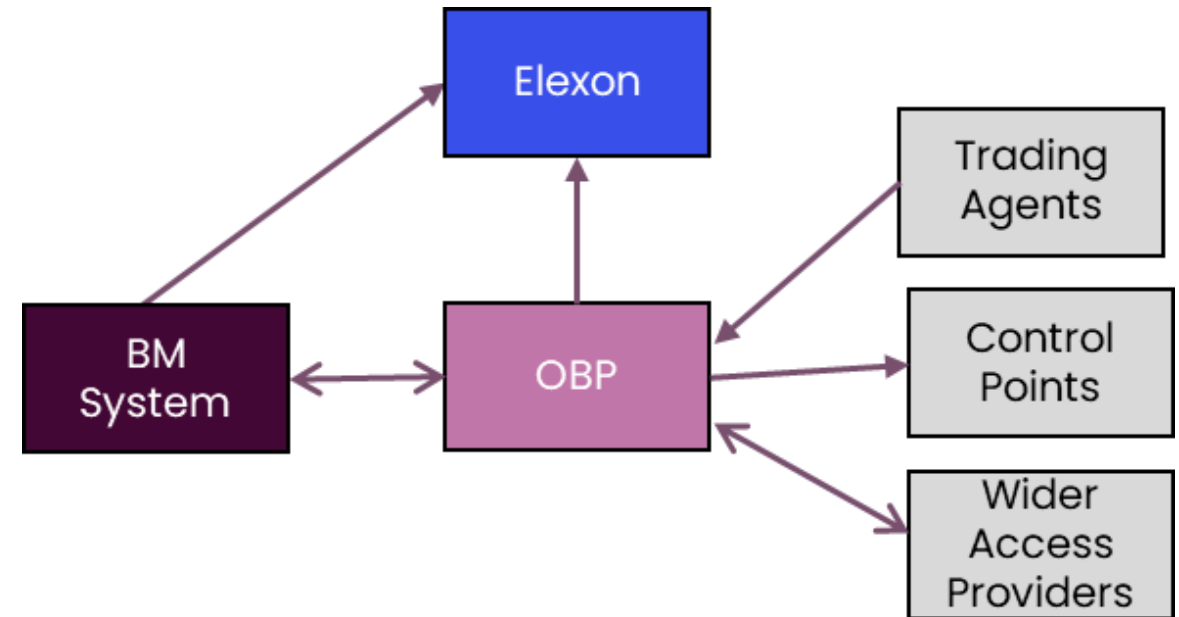
Updated EDT/L Plan on a Page



Future of Wider Access API (WA API)

As part of the current EDT/EDL migration, there will be no change to WA API providers, no actions are required.

- We have launched a programme to transition WA API from oracle cloud to OBP.
- The design principle is to minimize market participant disruption.
- We will reach out to providers who use WA API to discuss migration plans.
- We will provide an update on transition timeline, transition document and market participant testing timeline in our May Technology Stakeholder Focus group.



EDT/EDL Transition Support and Contact Points:



Please ensure you can receive emails from @neso.energy



1:1 Drop-in sessions available to book

Queries specific to EDT/EDL
Box.OBP_EDT.EDL@neso.energy

General queries
Box.balancingprogramme@neso.energy

Name/Role Title: Gracie Nurse, Delivery Lead

Responsibilities: Manage communications for all testing and transition activities with Market Participants

Contact: gracie.nurse1@neso.energy



Balancing Programme Technology Stakeholder Focus Group

Date: 14 May 2026

Time: 11:00 – 12:30pm

Location: Microsoft Teams

Join our Balancing Programme Technology Focus Group on the 14 May from 11:00 – 12:30 to hear the latest updates on the EDT / EDL transition from Balancing Mechanism Systems to the Open Balancing Platform including testing progress and next steps. We will also provide further details of our EDL Network Transformation and WA API replacement plans.

Sign-up to our Stakeholder Focus Groups to receive invites to these sessions [here](#); or scan the QR code.

Recordings & slides from previous Technology Focus Group sessions are published [on our website here](#).

Balancing Programme Stakeholder
Focus Groups (2025/6)



GC0166 & REVEAL

Bernie Dolan, Principal Product Manager

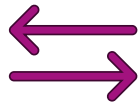
GC0166 Overview



GC0166 introduces Grid Code changes to enable effective usage of the increasing numbers of limited duration assets operating in the BM and reflect their bi-directional nature.



Two new parameters are introduced: Maximum Delivery Offer (**MDO**) and Maximum Delivery Bid (**MDB**) and two older parameters (**MDV** and **MDP**) will be retired



To support GC0166, modifications are required to the software system called EDL (Electronic Dispatch & Logging).



Two documents require modification so that software suppliers can update their EDL systems

- **Data Validation, Consistency and Defaulting Rules:** This covers the rules on the submission of MDO and MDB
- **EDL Message Specification:** This defines the message structure used on EDL for MDO and MDB

Explanation of the new GC0166 parameters:

Maximum Delivery Offer:

The amount of energy (MWh) which is available for instructable offers in Balancing Mechanism

MDO

Maximum Delivery Bid:

The amount of energy (MWh) which is available for instructable bids in Balancing Mechanism

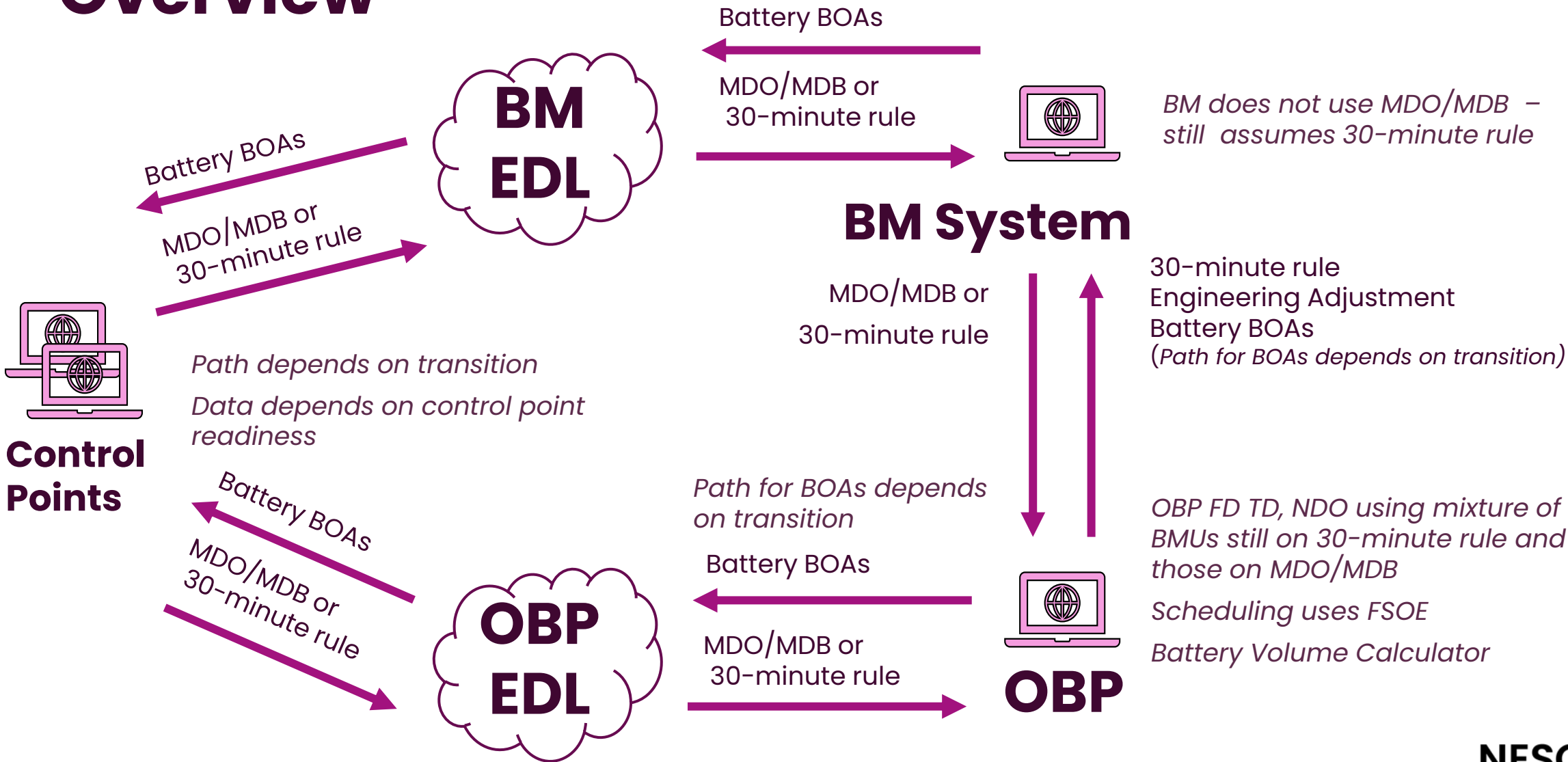
MDB

Reserved for Ancillary Services

Current state of energy

Reserved for Ancillary Services

Overview



GC0166 Proof of Concept Testing Benefits

What did we do? We conducted proof of concept (POC) testing to simulate GC0166 in action ahead of production to help us understand how the change will work in practise & inform any necessary system adjustments.

How did we do it?

- We tested the full spectrum of likely active BMU participants, and engaged with customers to identify & nominate different categories of BMU:
 - Battery (>50MW, 10-50MW, <10MW, single /aggregated, demand)
 - Non battery (pumped storage)

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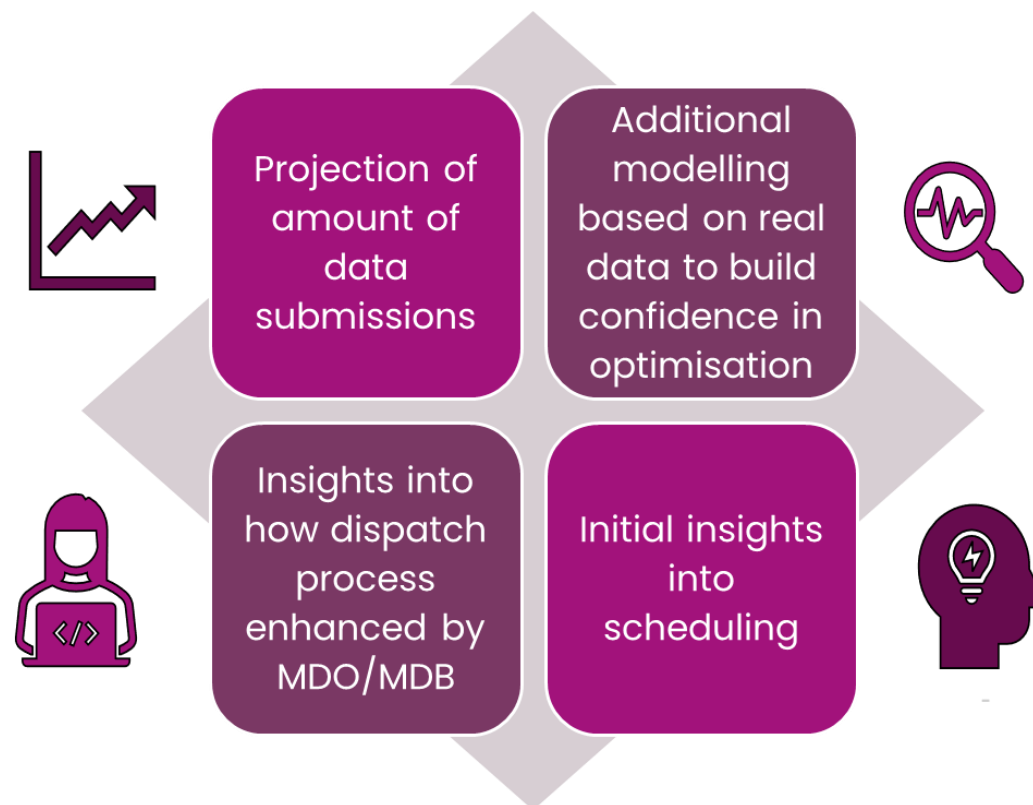
BM units sending
in data for PoC

8

Organisations
actively engaging

- Customers collected 'real time' data, for 2 operational days and submitted offline to NESO.
 - GC0166 parameters:** MDO/MDB MWh/FSOE %
 - Additional parameters:** Upper & Lower limit SOE %, Real time SOE %, Export & import efficiency %, Cycle limit – daily or MWh

Overview of the insights that we aimed to uncover through the collected data

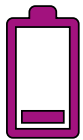


GC0166 Proof of Concept Results

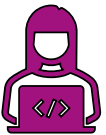


Real operational data is critical for understanding how GC0166 will work in practice:

Provider-submitted data revealed real-world behaviours that theoretical modelling could not capture, directly impacting the way GC0166 will be implemented.



Evidence based methodology change: The PoC showed that instantaneous Maximum Delivery Offer (MDO) and Maximum Delivery Bid (MDB) submitted by providers overstated LDA availability. A revised approach now protects contracted volume, ensuring fairer and more accurate dispatch.



Optimisation has been validated: Real data testing increased confidence in MDO/MDB constraints and demonstrated robust performance of Target Dispatch and Fast Dispatch using the Bulk Dispatch Optimiser (BDO) in realistic scenarios.



Further refinement of GC0166 guidance is needed: Understanding the variations in data volumes and submission patterns from participants helped inform wider objectives to ensure that NESO systems can confidently handle input data from day-one of GC0166 Go-Live. The next PoC will help NESO further understand and validate these system requirements.

Read the full report from our GC0166 Proof of Concept [here](#).

GC0166 – Further Testing & REVAL Trial

What are we doing? Building on the initial proof of concept using revised methodology where MDO/MDO protects contracted volume.

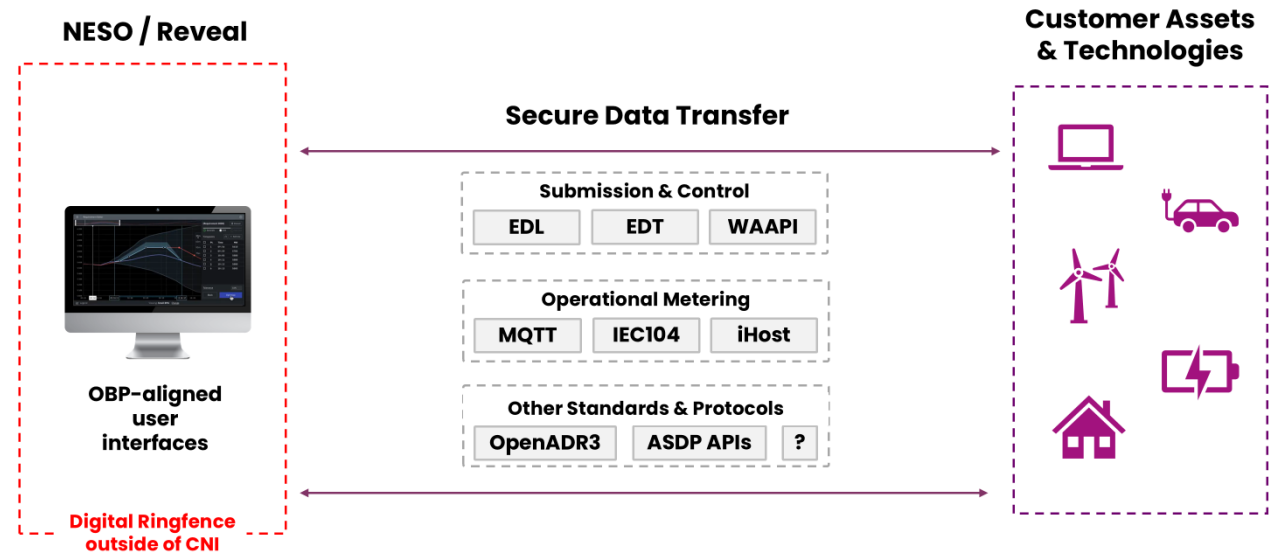
What is the approach? Two-day data collection to validate the updated approach and ensure consistency across providers.

In Parallel: Streaming data in REVEAL digital trials platform with a smaller set of participants submitting data in real-time to simulate live BM behaviour.

Outcomes:

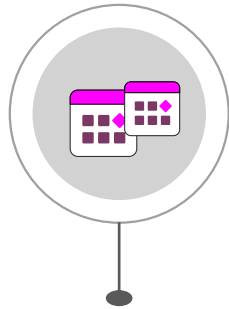
- REVEAL enables testing of redeclaration turnaround times and allows coverage of a range of operational scenarios
- Further refinement of optimization responses
- Supports a clear, transparent and detailed understanding of how GC0166 will operate ahead of full go-live

To be involved with REVEAL going forward please email box.balancingprogramme@neso.energy



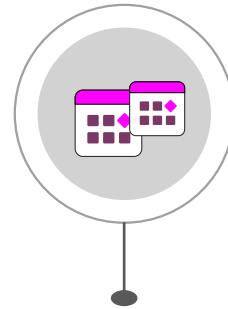
GC0166 Implementation Timelines

April 2026



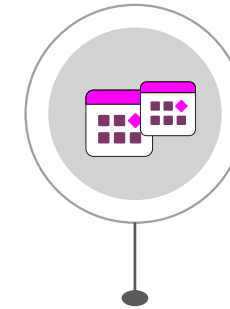
- Ready for software suppliers to test MDO/MDB with BM
- BM Version of EDL with MDO/MDB – Go-live
- OBP Version of EDL with MDO/MDB – Tech Go-Live (ready for software testing)
- OBP Insight Files (BMRA) – testing with Elexon

June 2026



- BMRA publish MDO/MDB (default values will be published before receiving declaration from BMUs)
- Open for start of GC0166 Transition
- Limited Duration BMUs send MDO/MDB signalling move from 30-minute rule

November 2026



- All Limited Duration BMUs now submitting MDO/MDB

Forecasting and Prediction Systems

Richard Sykes, Product Manager

Key Areas of Progress: Nov 2025 – Mar 2026

New Demand Forecasting Tool BETA

Demand Forecasting

What it delivers: Early release of the demand forecasting tool **driving feedback-based development** from the energy forecasting and control room teams.

Legacy gap: Will replace outdated Demand Forecasting Tool (DFT) used by the energy forecasting team and feed directly into OBP

Benefits: Will provide more accurate demand forecasts published externally and into the control room

Impact for stakeholders: Will provide more reliable, optimised BOA instructions aligned to system constraints.

PEF External reporting

EFS Decommissioning

What it delivers: All forecasting reports to ELEXON and Data Portal delivered directly from PEF

Legacy gap: Removes reliance on EFS to publish reporting enabling the decommissioning

Benefits: Reports content derived directly from source data in PEF

Impact for stakeholders: Continued access to reporting with greater resilience

PEF -> BM integration

EFS Decommissioning

What it delivers: Integration between PEF and BM providing operational data whilst new capabilities are developed on OBP.

Legacy gap: Removes the reliance on EFS processing data for BM. EFS reduced to a short-term skeleton data adapter.

Benefits: Continued operations whilst reducing the burden on legacy tools. Enables the future integration with OBP to progress unhindered.

Impact for stakeholders: Reduced cost on EFS maintenance

IB* and Demand Forecasting

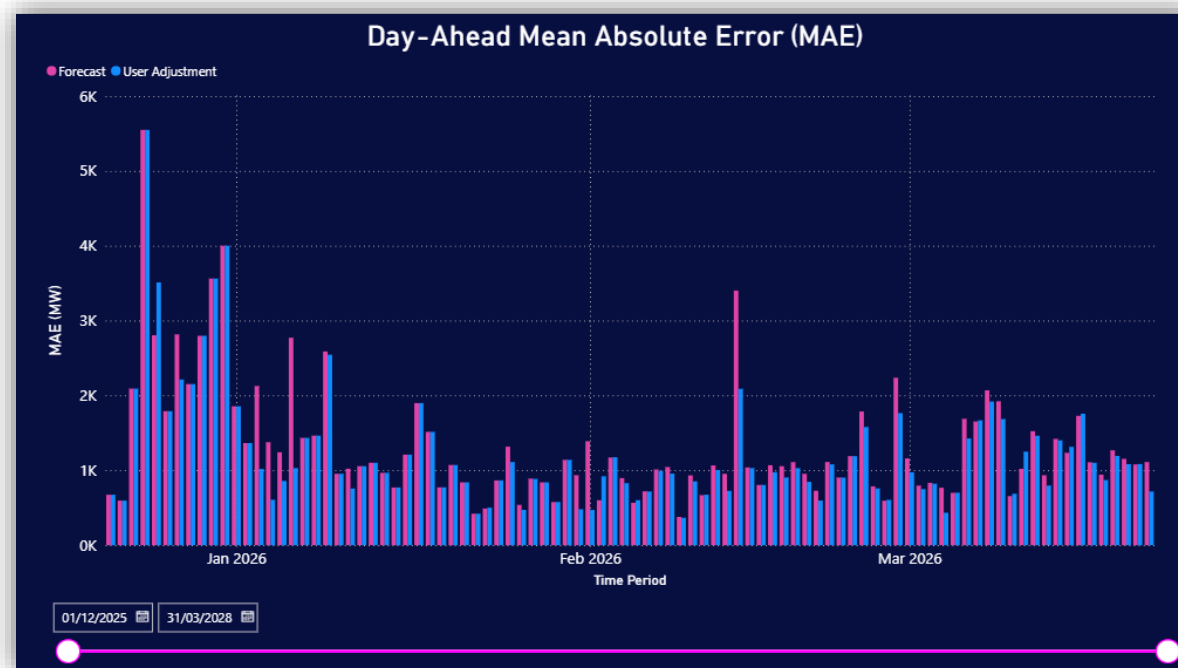
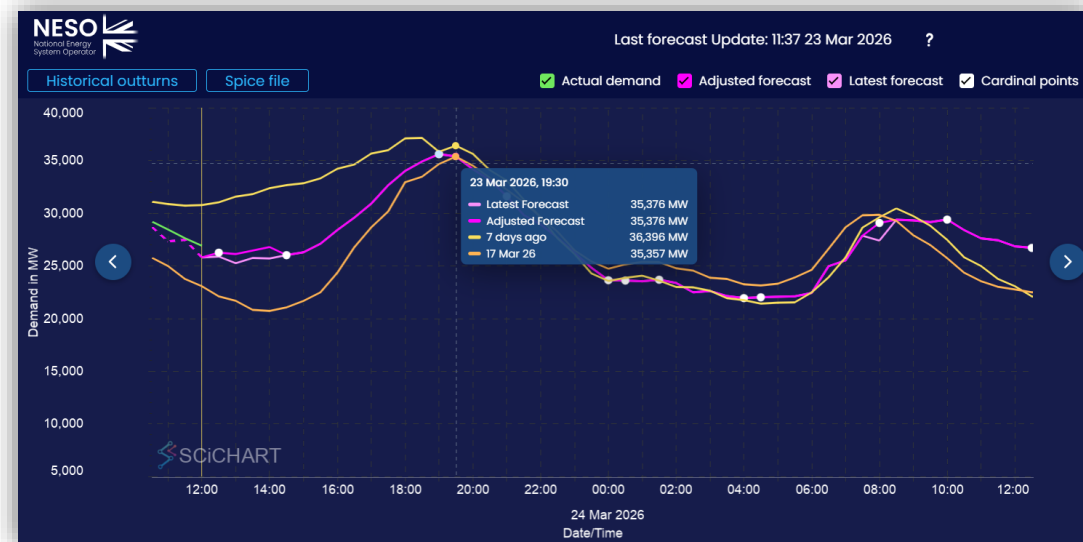
Latest updates:

- ✓ Beta released
- ✓ UI iteration
- ✓ Model refinement
- ✓ Readiness for publishing

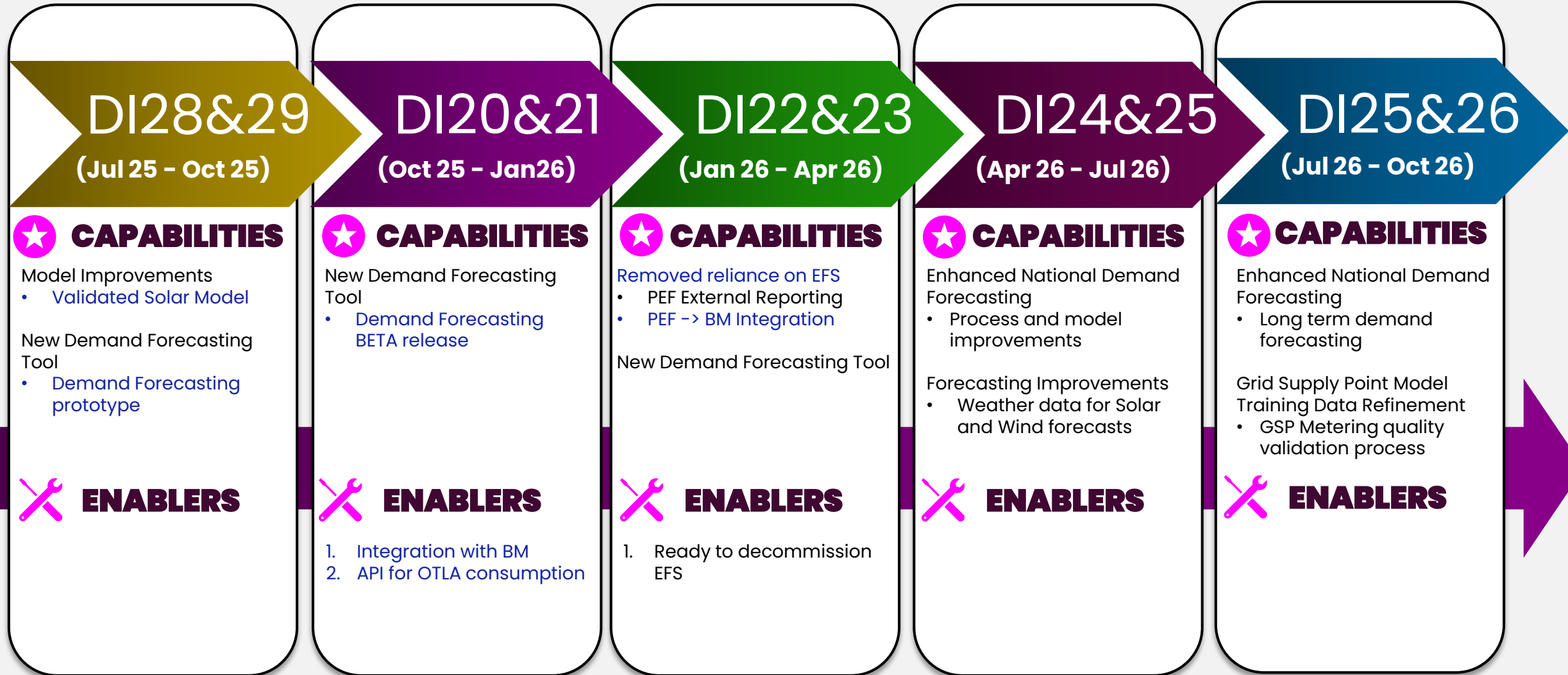
Work in progress:

- Continued refinement
- Energy Forecasting team and Control room Go-Live
- Publishing Go-Live

*IB: Day-Ahead Demand Forecasting accuracy metric



PEF Roadmap Update – March 2026



Legend:
 Delivered
 No change

Abbreviations:

API – Application Programming Interface
 BM – Balancing Mechanism
 EFS – Energy Forecasting System
 DI – Delivery Increment
 OTLA – Offline Transmission Analysis

Key Areas of Progress: Nov 2025 – Mar 2026

New Graph Package

RTP

What it delivers: Enables control room users to review and adjust demand curves to accurately predict demand profiles.

Legacy gap: Will remove reliance on current Demand Predictor capabilities in the control room

Benefits: Enables the decommissioning of legacy tools and greater visibility of the upcoming demand trends

Impact for stakeholders: Improved inputs and efficiencies for more economical dispatch once used operationally.

This is an enabler for Real-Time Demand Business Go-Live listed on the capability journey

Feedback Driven UI and Model Improvements

RTP

What it delivers: Improved feature set increasing confidence in the predictor and tools.

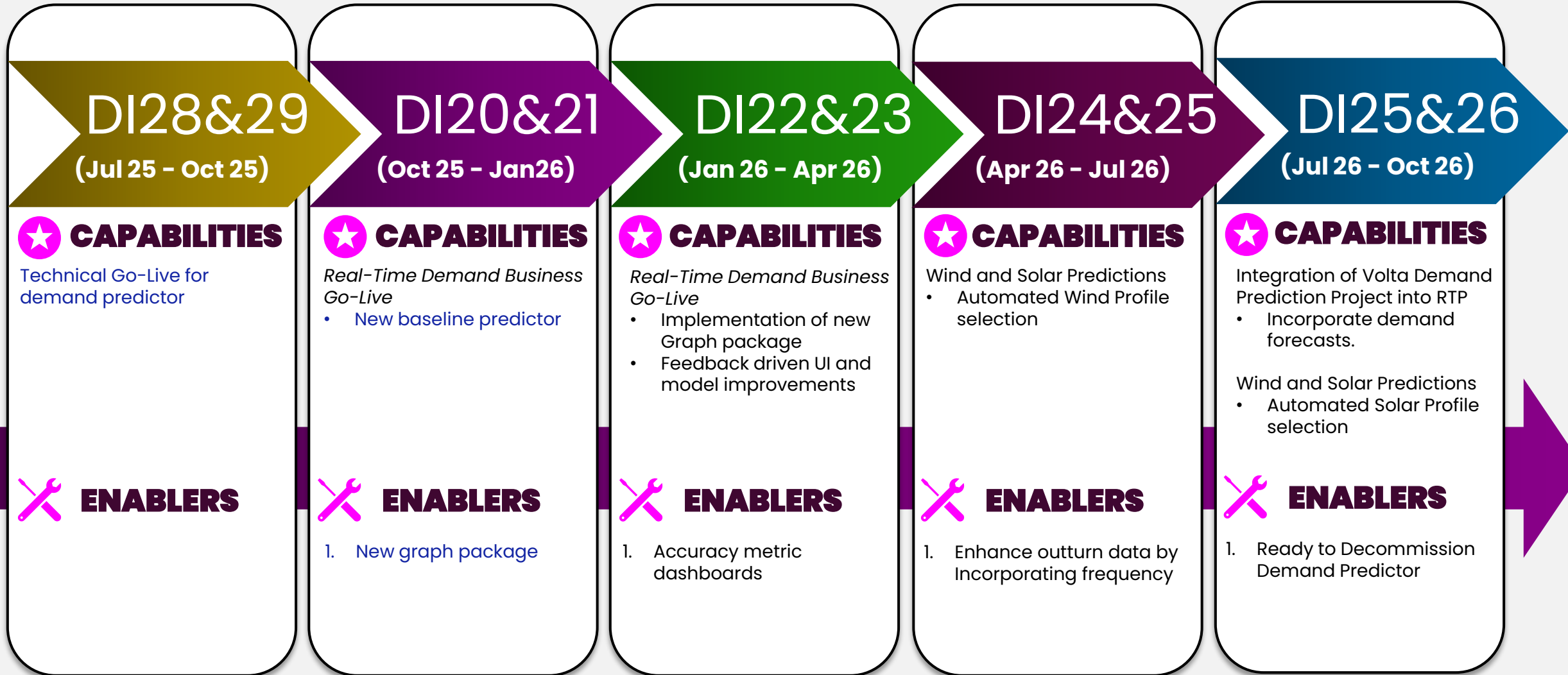
Legacy gap: Will remove reliance on current Demand Predictor capabilities in the control room

Benefits: Enables the decommissioning of legacy tools. Improved modelling and ease for engineering adjustments.

Impact for stakeholders: Improved inputs and efficiencies for more economical dispatch once used operationally.

This is a functional deliverable supporting Real-Time Demand Business Go-Live listed on the capability journey

RTP Roadmap Update – March 2026



Abbreviations:

DI – Delivery Increment

Legend:

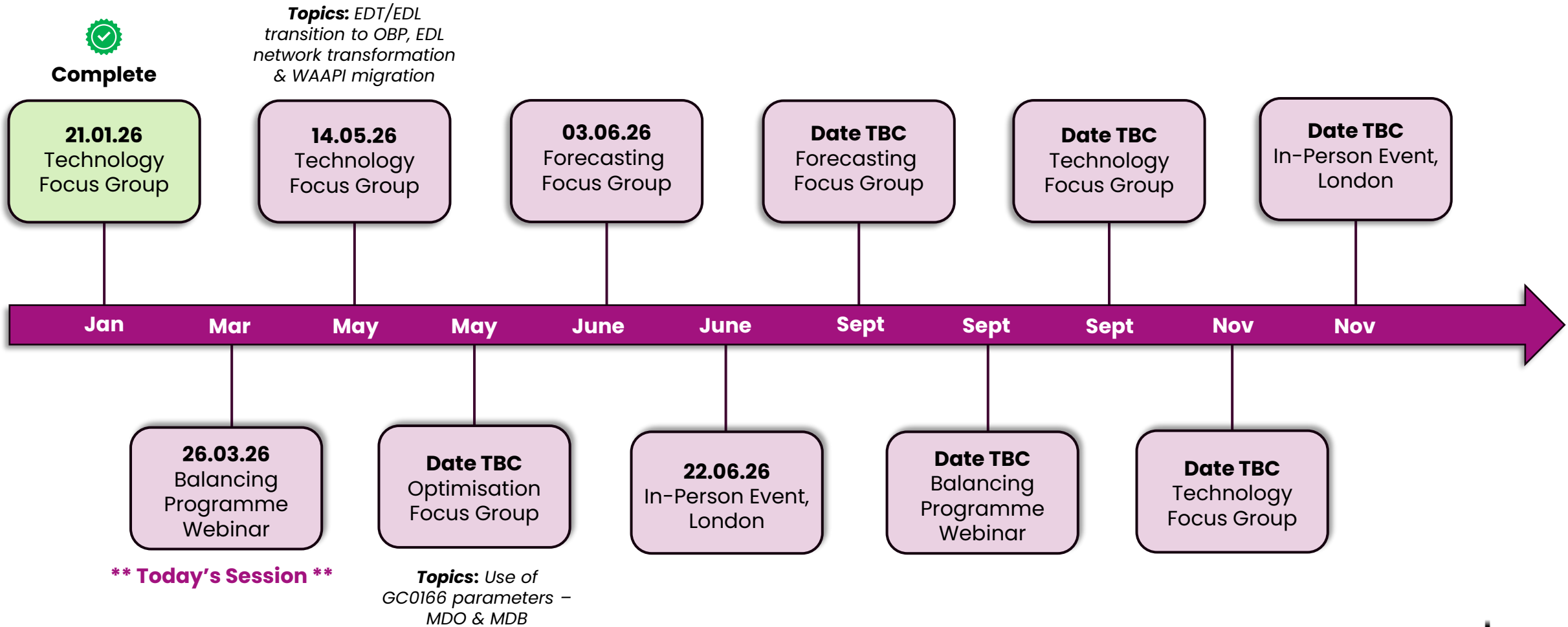
Delivered

No change

Q&A & Next steps

Heather Clatworthy, Stakeholder Lead

Balancing Programme 2026 Engagement Plan



NESO Event – Share your Views on Topics

Bringing together topics from across the Dispatch Transparency Programme, Electricity Markets & Balancing Programme in response to customer feedback

Date: 22 June 2026

Time: 9:30 – 17:30

Location: London, Zone 1

Following feedback from our customers, we are exploring topics for a **one-day event on 22 June 2026**, bringing together updates and discussion across Electricity Markets, the Balancing Programme, and the Dispatch Transparency Programme – and **we'd really value your views on topics**. Scan the QR code or use this [link](#) to share your suggestions.

The aim of this event is to reduce the number of NESO events customers are asked to attend, while still providing clear, comprehensive, and valuable updates in one place.

Where can I sign up? Registration will be promoted via the Energising Progress weekly NESO newsletter, the NESO website, and at the Operational Transparency Forum later this month.

Event Capacity: We have increased event capacity to ensure that everyone who wishes to attend can do so.

Questions? Please contact box.balancingprogramme@neso.energy

22 June 2026 NESO Event - Share your Views on Topics



Support/Contact Points



We welcome your feedback & questions – please do get in contact with us at box.balancingprogramme@neso.energy



Slides from today's session will be published on our website, along with content from our events, webinars & focus groups from earlier in the year – you can access these [here](#).



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



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



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



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March 2026