

28/01/2026-10/03/2026

# Balancing Programme: OBP Delivery Increment (DI)22 Closure Report

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## Executive Summary:

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DI22 was another very successful DI for the programme in terms of functional product delivery across our solution trains.







- **Ancillary Services:** We have launched BM Dynamic Response and all the technical requirements needed to enable NBM on 31<sup>st</sup> March. In addition to this, we have also delivered the core aspects needed to enable Slow Reserve which also has a 31<sup>st</sup> March launch date. For Megawatt Dispatch, we have enabled unit registration and pre-qualification work along with the situational awareness aspects needed to commence participant testing with DNOs. For MVAR/Volts, we have created an enhanced Minimum Viable Product (MVP) which has been shared with the transmission team for early training and feedback aligned to our release plan.
- **All Instructions:** We have enabled dispatch from all zones, complete with all units (including those with long Minimum Non-Zero Time (MNZTs)). In addition, the control room can now see step changes for these units to avoid high price instructions where these instances occur. This is a significant step in our pursuit of control room adoption of OBP.
- **EDL/T** – We have confirmed an E2E test with a Third Party software supplier across EDL/T submissions and successfully sent BOAs which have been accepted and sent back for OBP to process the acknowledgement. This is a key proving point in this space.
- **UX** – We have enabled a raft of changes for delivery in DI23 by completing the development work across the new AG-Grid data table and a performance enhancement for giving the situational awareness for each unit in the system. In addition, we have enabled RBAC for Constraints to provide confidence in the wider RBAC roll out in DIs 23 and 24.
- **Forecasting** – We have deployed improvements to our demand predictor algorithm and implemented enhanced charting (SciCharts) tools to give users more flexibility over how they interact with the demand predictor.

## DI22 Completion Report – Success Against Commitments







### Committed Goals

 Exceeded
  Met
  Partially Met
  Not Met





 Deliver
  Develop
  Elaborate

PI	Objective	Solution Train	Status	Description and Expected Value	Delivered Value
	Successful completion of EDL market participant testing with first party	EDL/T		Market participant testing in progress with significant proportion of market for both NBM Slow Reserve and EDL/EDT laying the foundation for cutover and mastering	Successfully tested both EDT and EDL connections along with 2, 3 and 4 point BOAs.
 Develop	Successful integration testing of profile reversals with BM	EDL/T		In readiness for the EDL/T transition, OBP needs to prove it can profile submissions and send back to BM so that the output can be validated.	Testing with BM for reverse profiles is underway.
	Dynamic Response fully live on OBP	Ancillary Services		Dynamic Response fully live on OBP	We have technically launched DX for BM with NBM turned off due to the date being moved to 31/03







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PI	Objective	Solution Train	Status	Description and Expected Value	Delivered Value
	Readiness of a prototype for MVAR/Volt dispatch ready for Control Room familiarisation	Ancillary Services		Transmission teams need up to 3 months of training as they have not had hands on experience with OBP.	This prototype was delivered and exceeded expectations by including additional aspects of the journey outside of pure dispatch. The team also included transmission zone mapping along with all validation rules requested.
	We will progress to a P2 service level with an always Green Trunk/path to production – whilst improving our operational procedures	Strategic		We will progress to a P2 service level with an always Green Trunk/path to production – whilst improving our operational procedures	We have addressed module drift in DI22. In DI23 we are looking to release weekly in an attempt to minimise this even further.
	Control Room has ability to dispatch MW instructions for all zones, including Pumped Storage – continuing with improved instructions	All Instructions		Control Room has ability to dispatch MW instructions for all zones, including Pumped Storage – continuing with improved instructions journey (restrictions awareness, power available, manual extend)	Cannot be marked fully complete as state change instructions for pump storage units was deferred to DI23. All other zone instructions can be sent from OBP in the control room, alongside an improved instruction journey.





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PI	Objective	Solution Train	Status	Description and Expected Value	Delivered Value
	journey (restrictions awareness, power available, manual extend)				
 Develop	We will integrate with PEF and fetch wind profiles. Control room users can update real time prediction values directly on graph	Forecasting		We will integrate with PEF and fetch wind profiles. Control room users can update real time prediction values directly on graph	Work is completed to integrate and is now moving forward to implement the required connectivity to productionise it.
 Develop	Improved UI for usability and improved journey flow, along with new data table and charts being rolled out to key screens that are Clock Change compliant Role based access implemented for initial	UX		Improved UI for usability and improved journey flow, along with new data table and charts being rolled out to key screens that are Clock Change compliant Role based access implemented for initial screens ready for full roll out	Development work has completed for an enhanced price stack, UI performance improvements and a new data table. This is undergoing testing and will release in DI23.

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PI	Objective	Solution Train	Status	Description and Expected Value	Delivered Value
	screens ready for full roll out				
	Commence delivery of Constraint Optimisation	Constraints		Starting development that will enable optimisation within a single constraint to deliver in DI23.	Work has started on the optimiser so that it is constraints aware. DI23 and 24 will enhance Constraint screens to make use of this functionality for the control room.
	Enhance NDO along with more accurate input data	NDO		Further validations comparing with LDA to help with control room adoption.	This has been delayed due to the dependency on the existing BM system making the input data available. This has been deferred due to the prioritisation of Slow Reserve and GC0166.
	Elaboration of remaining instruction work	All Instructions		Closure of elaboration for remaining instruction work in readiness for EDL/T.	Refinement of ITRIP, AIR and Telephone instructions is not completed due to additional complexities that need to be accounted for before moving into development. This is now due to

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PI	Objective	Solution Train	Status	Description and Expected Value	Delivered Value
					complete in DI23 (sprint 1) and teams will reserve capacity to start work from Sprint 2.
	Completion of OBP Strategic Deferral List	OBP Strategic		Completion of remaining deferrals from the launch of OBP Strategic.	All key dependencies for PI readiness except for catastrophe and management cluster failover testing are completed.
 Develop	Start the Azure tenancy migration from National Grid to NESO for non-production OBP services	Platform		Deliver the development clusters and pipelines on NESO Azure whilst readying work to conclude this initiative in DI23.	Work is in progress and cutover planned by end of April

### DI22 Delivery Summary

At the start of DI22 planning, 60 features/enablers were committed to be delivered to the definition of complete, with 50 planned for elaboration and refinement in readiness for DI22.

Our feature completion count is 72% of plan (43 features) with 17 of the outstanding being deferred to DI23 due to the prioritisation of slow reserve for product related features (4) and the remaining (13) related to impacts outside of the team's direct control in the platform/SRE space due to constraints for hardware in our regional Azure data centre.

**DI22 Closure:** 43/60 features delivered vs committed which is 72% of the DI scope. The detail is as follows:

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
- **SRE** – 5 features not completed as they were deferred to focus on production incident resolution and addressing prerequisites for P1 service readiness.
- **Platform** – 7 features not completed out of which 5 were deferred due to continuous improvement work that will span across multiple DIs, 1 was descoped due to external dependencies not fulfilled and 1 was deferred to DI 23 due to increase in scope.
- **UI Framework** – 2 features not completed as they were deferred to focus on new price stack functionality in support of Slow Reserve and control room user adoption.
- **Forecasting** – 1 feature not completed due to an additional piece of work that was added post planning and was completed in the first sprint of DI 23
- **Ancillary Services** – 1 feature not completed as it was de-prioritised in favour of an additional 72 story points worth of scope deemed required for Day 1 of Slow Reserve and has been deferred to DI23.

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### DI23 Objectives

Below is an extract of the DI23 Objectives from the DI Programme Plan. For the Commitment (Committed/Stretch), any items with an asterisk (\*) are required achieve the definition of done (to be in production and in use). Items without the asterisk are to be delivered to the definition of complete - completion of system test and may be foundational change for future releases.




- Confirmed features for Build/Test DI22 – 67
- Confirmed Elaboration Features for DI22 – 34

PI	Objective	Solution Train	Description	Expected Value
	Slow Reserve, MW Dispatch and NBM Dynamic Response live on OBP allowing for the decommission of ASDP	Ancillary Services	The ability to manage all remaining ASDP services on OBP so that NESO can begin decommissioning the ASDP platform	Slow Reserve (BM/NBM), Dynamic Response (BM/NBM) and Megawatt Dispatch are all mastered in production in OBP.
	Further market participant testing with significant proportion of market for EDL/EDT and laying the foundation for cutover and mastering	EDL/T	In readiness for the EDL/T transition, OBP needs to prove it can process submissions from providers end to end.	We have the ability to process submissions to add to the confidence proving work done in DI22 to profile those submissions for sending back to BM.




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PI	Objective	Solution Train	Description	Expected Value
	Further Ancillary Service Instructions (MVAR/Volts, Stability Pathfinder, Fast Start) are available to the Control Room	Ancillary Services	The ability for the control room to have situational awareness of MVAR/Volts and the ability to dispatch stability Y-1 contracts and initiate fast start instructions from OBP.	The ability for the control room to have training of MVAR/Volts and the ability to dispatch stability Y-1 contracts and initiate fast start instructions from OBP in the control room.
 Develop	We will progress to a P2 service level with an always Green Trunk/path to production – whilst improving our operational procedures	Strategic	We will progress to a P2 service level with an always Green Trunk/path to production – whilst improving our operational procedures	Module lag from last development commit and production version no longer than 14 days  ST Regression pack is enforced in the pipeline to provide fast feedback to squads.  Updated operational procedures related to the OBP Strategic deferral list.
	Control Room has enhanced Wind Dispatch (power available, long MNZT), with further Pumped Storage functionality	All Instructions	Control Room has ability to dispatch MW instructions for all zones, including Pumped Storage – continuing with improved instructions journey (restrictions awareness, power available, manual extend)	All zone instructions can be sent from OBP in the control room, including pump storage with state change instructions within an improved instruction journey. This will not include manual extensions for

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PI	Objective	Solution Train	Description	Expected Value
	(Manual Extend, State Change+BOA dispatch, PS Notifications)			pump storage, AIR, ITRIP, MVAR or telephone instructions.
	We will systematically select appropriate PEF Wind Profiles and capture benefit evidence for capability rollout	Forecasting	We will integrate with PEF and fetch wind profiles. Control room users can update real time prediction values directly on graph	The ability to see updated real-time prediction values within RTP based on integrating with PEF.
	Enable the transition of Real-time predictor in the ENCC through UI improvements and performance evidence.	Forecasting	Improved UI for usability and improved journey flow, along with new datatable and charts being rolled out to key screens that are Clock Change compliant Role based access implemented for initial screens ready for full roll out	Faster load times and performance improvements for key areas where front end slowness is visible.
	Improved UI with the new flexible datatable – targeted for screen readability, table	All	Enhanced data table that allows the control room the flexibility to add/remove columns and filter data as required.	All MFEs that have a data table to utilise this new component.

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PI	Objective	Solution Train	Description	Expected Value
	flexibility and improved performance using a new centralised Unit data architecture			
	Improved UX/Screen targeted to EDL/EDT transition journey flow and screens that are Clock Change compliant	All	Completion of the declaration monitor screen for visibility of submissions into OBP and the delivery of remaining clock change defects needed for Spring clock change.	Completion of the declaration monitor screen for visibility of submissions into OBP and the delivery of remaining clock change defects needed for Spring clock change.
	Role based access implemented for further screens	User Experience	Users will start having access restricted to certain screens if their job description does not require access of it.	TAE users will have RBAC implemented for constraint related screens so that it is only available to them.
	Performance improvements across key areas of the system to enhance user experience and	All	System performance issues have increased with the volume of functional change that has been provided over the past year. The system needs improvement across the UI and back end to reduce the overall stress.	Tuning of the UX display back end module to improve UX screens.  Delivery of a new data table alongside a new unit component.

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PI	Objective	Solution Train	Description	Expected Value
	futureproof for to be functionality.			

Abbreviations:

- **AIR:** Automatic Instruction Repeat
- **ASDP:** Ancillary Services Dispatch Platform
- **BM:** Balancing Mechanism
- **BMU:** Balancing Mechanism Unit
- **BOA:** Bid Offer Acceptance
- **BP2:** Business Plan 2
- **CHT:** CNI Health Team
- **CNI:** Critical National Infrastructure
- **DAP:** Data Analytics Platform
- **EDL:** Electronic Dispatch Logger
- **EDT:** Electronic Data Transfer
- **IEMS:** Integrated Energy Management System

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- **ITRIP:** Intertrip
- **MDA:** Modern Dispatch Advisor
- **MFE:** Micro Front End
- **MNZT:** Minimum Non-Zero Time
- **MPLS:** Multiprotocol Label Switching
- **NDO:** National Dispatch Optimisation / Optimiser
- **OBP:** Open Balancing Platform
- **PEF:** Platform for Energy Forecasting
- **PI:** Programme Increment
- **PS:** Pump Storage
- **P2:** Priority 2
- **RBAC:** Role-Based Access Control
- **ST:** System Test
- **SRE:** Site Reliability Engineer
- **TAE:** Transmission Analysis Engineer
- **UI:** User Interface
- **UX:** User Experience