

# ELEXON

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## 333/01 Elexon Report

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For the Panel's information, summarising recent activities and developments within Elexon and the Balancing and Settlement arrangements.

8 December 2022

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## Ellexon update: BMRS

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Following a number of recent failures on BMRS we have been working closely with our Service Provider and product team to implement a 'return to green' plan. This is a combination of technical improvements to the infrastructure and also understanding further, reasons for abnormal patterns of data submissions within the market working closely with ESO.

We have stabilised the system through a number of actions including additional memory capacity, optimizing 12 key process SQL queries and have done a significant amount of work preparing revised partitioning of data tables accessed by BMRS system and implemented enhanced monitoring and alerting around dynamic files backlog.

Further significant system improvements are planned through the implementation of CPU upgrades on system servers, repartitioning of database tables and further optimization of priority queries over the coming weeks.

National Grid is still investigating certain BSC Parties' behavior with excessive submission of MIL/MEL data and declaration files from the BSC Parties. It is possible that the issue could be associated with parties using certain application which triggers when there is an event, regardless of any notable action producing a file submission, however, we are proposing that NG repackage the data to avoid volumetric issues in the interim.

Issues around incorrect BMUs submission by NG to Ellexon has also been raised and all incorrect submissions have been corrected and impacted flows are fixed for now. However, NG to confirm a robust plan of improvement to mitigate this happening in the future.

Further work on Failure mode effect analysis being performed for BMRS and a list of end of life have been identified and discussed, we are evaluating the impacts and further change requests will be confirmed upon completion of gap and cost benefit analysis (mid December 2022).

Overall comms/alerts and circulars strategy has also been reviewed and made few improvements to make sure customers are informed before, during and after the BMRS related incidents promptly and allow customers to navigate appropriately onto new insights solution platform where there is no data impact during the incidents.

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## Elxon Kinnect: Parallel runs of new and legacy Settlement systems completed

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### Settlement Solution

The data migration continues to progress on the Settlement Solution, which is now delivering at an increased pace. This phase of the project will continue into the New Year. The plan for go-live is under review to ensure it delivers as early as possible.

The Funds Administration Agent services continue in their discovery phase to determine the calculation and finance system requirements. Progress of the project is being prioritised in line with the wider Kinnect programme goals. The review of BSC Section N Clearing, Invoicing and Payment has started and will determine the scope for a potential BSC Modification to gain efficiency and reflect modern banking practices.

### Insights Solution

Iteration 1.3 of the Insights Solution, which included migration of six BMRS data flows and launch of the new real time messaging service to replace TIBCO, was completed on 21 November. Around 46% of all current BMRS data has now been migrated to the Insights Solution. We are carrying out user research for the next iteration (including development of the REMIT portal) and important users of our REMIT data (including Ofgem) will be involved in this.

### Customer Solution

Modifications P376 and P419 are progressing well in integration testing, due to complete mid-December, then moving into Operational & User Acceptance testing. Analysis and Design work on P395 has started and is being integrated with CR17463 to align the schema with an enterprise view of contacts and addresses, as an enabler for other projects (e.g. CRM). Additionally, a number of enhancements and fixes of deferred defects relating to P375, Account Management and the Central Switching Service have been successfully tested and deployed into production.

# Elexon Kinnect: Budget update

Overall, the Kinnect Programme remains on budget with £30.4m of investment in progress, of which £29.8 m has been spent to date. The remaining £14.9m is forecast for future work to conclude migration of the legacy systems to the digital platform in 2023/24 and we have £7.1m remaining contingency.

These figures are also shown in the table below:

CTD (£m)	Committed	FTC	Contingency	Forecast Outturn	Budget	Variance
29.8	2.1	14.9	7.1	53.9	53.9	0

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## Helix: Current status

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### Helix Programme Objectives

To deliver the Market-wide Half Hourly Settlement (MHHS) changes to Elexon's systems and processes ready for MHHS go-live in October 2024.

### Overall status

Helix is 7 months into the DBT (design, build and test) phase where re-work and new requirements from the baselined MHHS designs has resulted in significant additional effort. MHHS re-plan will also impact the Helix timeline and budget.

### Key points to note

- Helix DBT was originally planned to be complete by end April 2023, but this has been impacted by the re-work and new requirements within the baselined MHHS requirements and designs which now requires a significant amount of additional effort. This will impact the Helix timeline and budget.
- The risk of further re-work will continue until the work-off items, Migration design and Transition design are complete.
- Integration testing of the new service features continues at a consistent pace.
- The MHHS re-plan will also impact the Helix timeline and budget. We await the final round of the re-plan to complete the impact assessment
- Elexon (Helix) continues to work with MHHS to clarify the scope and responsibilities for MHHS changes to the Performance Assurance Framework and Qualification.

## Key KPIs: October 2022

KPI	Target	Status
Performance against budget	Percentage (Under)/Over Spend Full Year Forecast vs. Budget complete >(5)%	0.01% - ON TARGET
Core system availability (BSC Agent Services)	99.50%	99.77% - ON TARGET
Service Desk performance against SLAs	99.99%	100% - ON TARGET
Settlement Accuracy (total change in Trading Charges across all run types as a percentage of total trading charges)	<5%	4.6% - ON TARGET
Modifications: number of Ofgem send backs	<=2 in a rolling 12 month period	2 – ON TARGET
Code Admin: % of Panel and Committee papers delivered on time	90%	96.8% - ON TARGET

## Recommendation



We invite the Panel to:

- **NOTE** the contents of this paper.