MODIS

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Introducing Market Operations Data Interface System (MODIS)

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EBSCR

- Critical data for cash out calculation
- Forecasts used to inform commercial trading positions
- Significant regulatory and industry oversight on accuracy

REMIT

- Market parties obligation to publish inside information
- Informs commercial trading positions
- Data displayed on BMRS

ETR

- Market parties and National Grid reporting obligations
- Availability transparency / BM Data item transparency
- Data displayed on BMRS and European Transparency systems

Note: National Grid doesn't operationally utilise any data issued by MODIS

MODIS is also now seen as the route to support a number of future requirements

MODIS – EBSCR Issues to date

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De-rated Margin (November)	Concern	Low de-rated margins issued for SP37 & 38 on 28/11/15
	Cause	Traced to missing Drax (Biomass) BMU data and some commercial volume of headroom SBR units
	Counter measure	Input data updated, supported by new business process
Testing Controls/ Price Spikes	Concern	Price spikes in SP27 and SP48 on 30/11/15
	Cause	Erroneous data, including Demand Control instructions, issued to Elexon from test environment
	Counter measure	Erroneous data removed and improved controls put in place
De-rated Margin (January)	Concern	Incorrect de-rated margin calculation since ESBCR launch
	Cause	Demand Forecast data from one of our source systems incorrectly labelled
	Counter measure	"Drains up" testing of ESBCR data flows and system corrected

We understand that these issues have reduced industry confidence in the system and we are working hard to restore the confidence

What we are doing prior to bringing back EBSCR feeds

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Fix identified error in data feed

Test all other data feeds back to source

Complete drains-up testing of EBSCR functionality

Verify new functionality

Complete full drains-up testing of other MODIS functionality

- Demand Forecast error with de-rated margin feed corrected No further issues identified with DRM data feeds
- BM STOR Flag enhancements finalised and tested
- Disaggregated BSAD (NBM STOR) review ongoing
- Targeting the return of DRM / LoLP feeds and updated BM STOR Flag next week
- Update to be communicated through Elexon circular

Responding to the Issues

Short-term

Engagement

Stakeholder

IBM Audit

updates

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Medium-term

- Project Creation
- Drains-up review of existing processes and systems
- - internal audit of all SO outward facing systems and data

- Planning and **Prioritisation**
- Lessons Learned IS sponsored Implementation of Interim Security and Controls

Long-term

- Plan Execution (enduring solutions)
- IS / Business Partnering
- Wider Engagement

Setting ourselves up for success nationalgrid

We are introducing significant change to our development approach



What's in scope for the **future of MODIS**

ETR

System Maintenance

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Significant change is required to the MODIS system over the next 18 months – we will apply lessons learned to deliver successfully

Business as Usual

Residual **Development**

> **Fssential Updates** (R/A/G)

New Requirements

Future Requirements? REMIT

EBSCR

In scope Not in scope (yet)











Our commitment

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What we promise and what we would appreciate in return

- We are developing this system on behalf of the industry and recognise its importance
- In developing the system we promise
 - To focus on the quality and resilience of the system
 - To set realistic deadlines and work to deliver on time to the right quality
 - To provide oversight / governance consistent with our CNI systems
 - To engage actively with you in an honest and transparent manner
- What we would appreciate in return
 - Recognise that we are changing and improving our culture in IS development and this will take some time to embed
 - Provide the challenge and support we need to be successful in developing the system on behalf of the industry
 - Understand the high level of change in the system and focus any further changes in next 12-18 months on what is absolutely essential

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