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BMRS Change Board

Meeting 3

13 October 2020

Agenda

No.	Agenda item	Time	Lead
	Introductions	10:00	Roger
	Updates • Industry Update • Insight Project	10:10	Zaahir
	Insight Platform Roadmap	10:20	Andy/Zaahir
	High Grade/TIBCO Strategy	10:40	Zaahir

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Industry Updates

P408 'Simplifying the Output Usable Data Process' (Removing zonal data/Publish additional forecast data)

- On track to be implemented on 3 December 2020
- ESO now plan to deliver in February 2021
- P408 and CP1535 testing and release package have been combined for efficiency savings

We asked BSC Panel to consider 2 Options – Align with ESO or Deliver P408 before ESO.
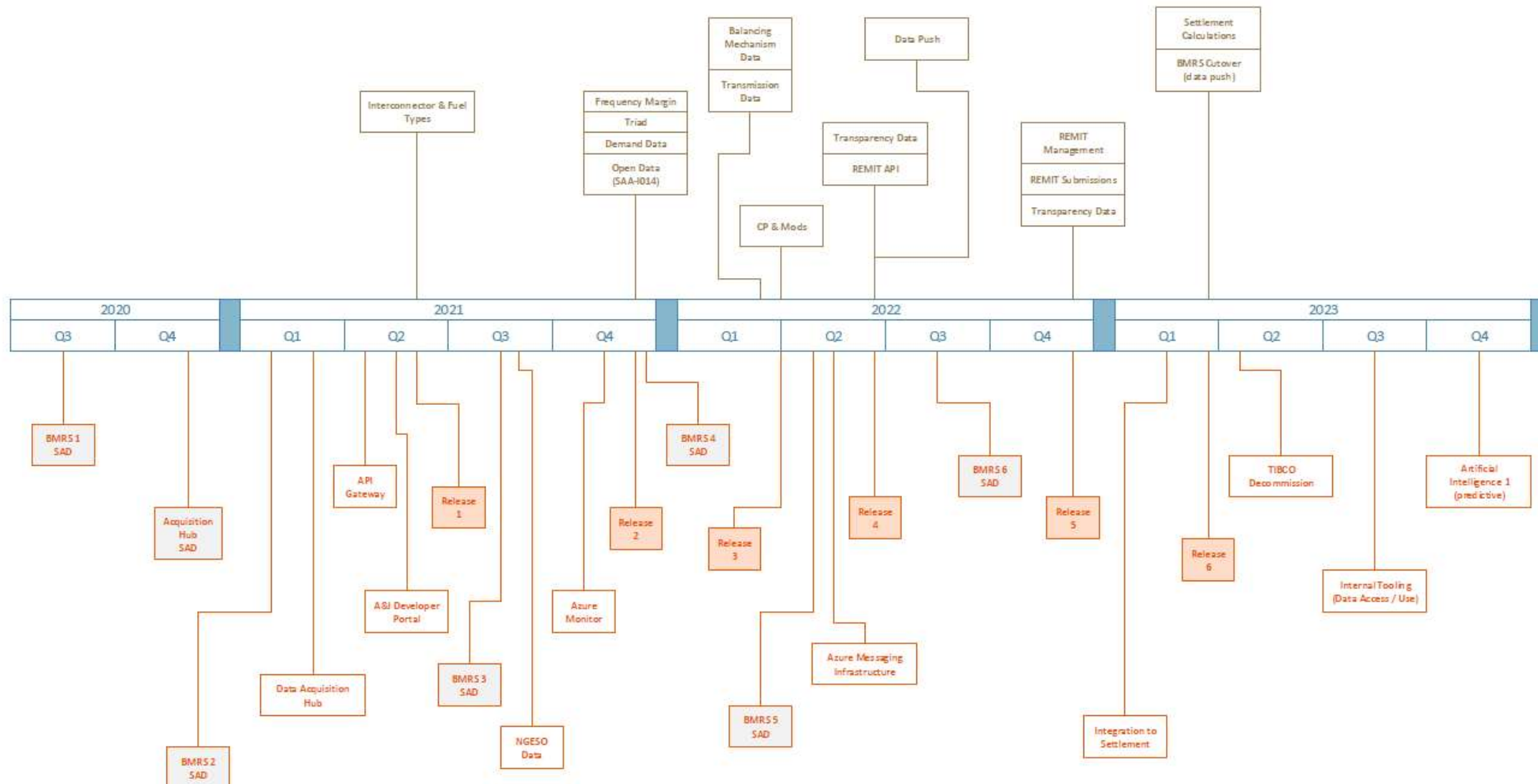
The Panel at its meeting on 8 Oct has approved:
- CP1535 Implementation Date is brought forward from 1 April 2021 to 3 December 2020;
- North Sea Link Interconnector as a Fuel Type Category under paragraph 6.1.18 (l) of section Q of the BSC effective from 3 December 2021;
- P408 implementation will be deferred to February 2021

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Elexon Kinnect Insight Solution – Delivery Update

- Elexon has completed the Business Requirements and Solution Architecture documents

- Procurement exercise is progressing

- Delivery and BMRS Migration Roadmap is in progress

- Impact assessment for sourcing raw data in progress

- Key Deliverables/Phases will be formalised with BCB

- Product Vision

By 2023, Elexon Kinnect Insight Solution will position Elexon as the recognised go-to source for GB electricity data by providing a reliable, market leading technology platform that delivers timely, accurate and insightful GB electricity data and reporting. It will deliver value to our customers by providing reports which are accessible through easily adoptable technology solutions, and continue to evolve with changing customer requirements, while remaining cost-effective and flexible to change.

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Timeline (above the axis):

- Interconnector & Fuel Types
- Frequency Margin / Triad / Demand Data / Open Data (SAA-I014)
- Balancing Mechanism Data / Transmission Data
- CP & Mods
- Data Push
- Transparency Data / REMIT API
- REMIT Management / REMIT Submissions / Transparency Data
- Settlement Calculations / BMRS Cutover (data push)

Timeline axis:

2020			2021				2022				2023			
Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

Below the axis:

- BMRS 1 SAD
- Acquisition Hub SAD
- BMRS 2 SAD
- Data Acquisition Hub
- API Gateway
- A&J Developer Portal
- Release 1
- BMRS 3 SAD
- NGESO Data
- Release 2
- Azure Monitor
- BMRS 4 SAD
- Release 3
- BMRS 5 SAD
- Release 4
- Azure Messaging Infrastructure
- BMRS 6 SAD
- Release 5
- Integration to Settlement
- Release 6
- TIBCO Decommission
- Internal Tooling (Data Access / Use)
- Artificial Intelligence 1 (predictive)

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High Grade – TIBCO Industry Options

- The BSC requires Elexon to provide a 'High Grade' and 'Low Grade' Service for the BMRS

- Customers have invested in managed leased lines (High Grade) and currently use TIBCO Rendez Vous Software to receive the data

- Elexon regarded the cost of the High Grade as prohibitive for some participants requiring access to real time data (high grade costs and TIBCO License)

- Data Push Service was put in place to provide an alternative to TIBCO – open source technology over the internet

- Data Push Service is not available over High Grade lines

Limitations of TIBCO Service
- Expensive license and maintenance cost
- Legacy format and Message queues (name value pairs)
- Poor backlog recoverability and intrusive republishing

Limitations of DPS
- Message queues/topics not easily configured – All or nothing
- Operational Performance/Intermittent service
- Backlog for durable subscribers (16 hours)

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Other Considerations

- Participants may still require a High Grade Service?

- A replacement BMRS NRT on High Grade line is needed

- Software should be free from license costs

- BSC Modification needs to be progressed to remove obligation to provide TIBCO (Sponsored by BCB)

- Industry to determine the solution

  - Retire TIBCO
  - Keep High Grade or remove obligation
  - DPS V2 to be available to both High Grade/Low Grade users

DPS V2 Requirements

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