

Public

# BMRS Change Board

---

August Meeting

10 August 2020

**ELEXON**

# Agenda

Agenda item	Time	Lead
1. <b>Introductions</b>	10:00	Roger
2. <b>Insights Platform</b>	10:15	Zaahir
3. <b>API Design</b> <ul style="list-style-type: none"><li>• <b>Structure Change</b></li><li>• <b>Format</b></li><li>• <b>API Key</b></li></ul>	10:35	Andy
4. <b>BSC Change for BCB</b>	11:00	Zaahir
5. <b>Break</b>	11:15	
6. <b>Service Status</b>	11:20	Zaahir
7. <b>Actions</b>	11:40	Roger
8. <b>AOB</b>	11:50	

# Introductions



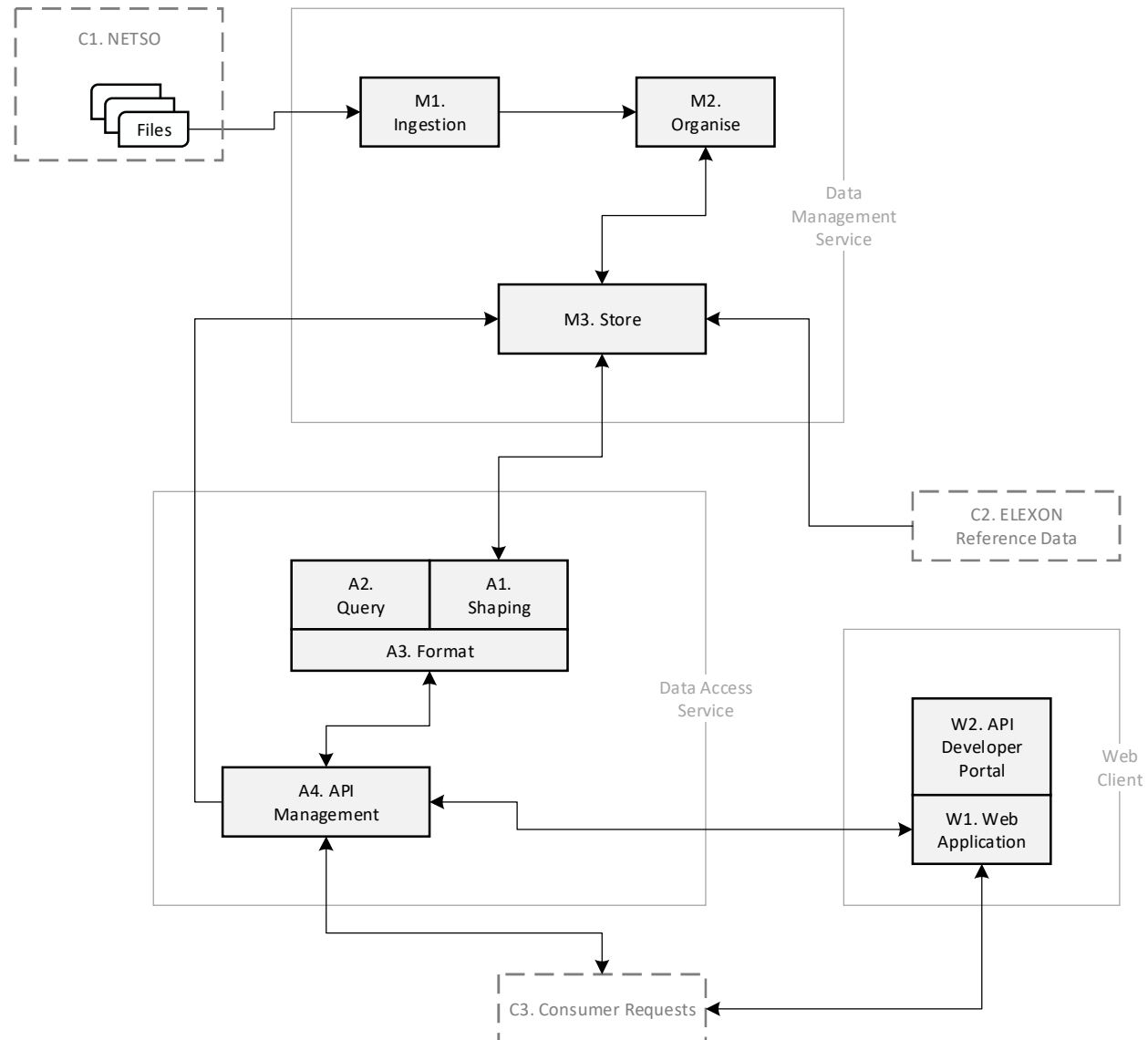
---

# Developing the Insights Platform

---

- Insight Platform (Phase 1) project has been initiated
- Insight Platform will eventually replace BMRS
- Proof of concept focussing on Fuel Type data
  - CSF: Enable faster industry change
  - CSF: Improved API design
- Website and APIs will be exposed in parallel with existing services
- Phase 1 will be in production from Summer 2021
- Regular updates to be given to BCB on progress as well as iterations and design decisions (such as retiring legacy technologies TIBCO)
- Planning the Phased migration (data items, calculations and Data Push Service)

# Logical Architecture



---

# API Design

---

## 1. Structure Changes

### Automation

- Simple to use
  - Each API has a single purpose
  - No complex logic is required
- Predictable patterns
  - User friendly for technology uses
  - Consistent design encourages re-use

### Adaptable Data Demands

- Data catalogue describes semantics
  - Can be published just like data
  - Industry initiatives
- The API is the documentation
  - Fast response to changing consumer needs
  - Less work
  - More intuitive to API consumers

## 2. Format

### JSON

Computer readable.

More data than structure

Cheapest

### XML

Computer readable.

More structure than data

Expensive

### CSV

Only for Humans

Not used for Automation

Can be used on web pages

---

# API Design

---

## 3. Developer Portal

Examples describe it better....

National Oceanic and Atmospheric Administration

<https://www.ncdc.noaa.gov/cdo-web/webservices/v2>

Financial Asset Prices

<https://marketstack.com/documentation>

# BSC Change

- Modification P408 is progressing which increased the frequency & resolution of Generation forecast
- New CP will be progressed for the BCB
  - Removing the current download service from IDD for CSV downloads

## 4.8 BMRA Data Download Service - Data Formats

This section gives the interface definition (file formats) for the files which can be downloaded from both the High and Low Grade Service web pages.

The formats are very simple comma separated variable records consisting of one header record, zero or more body records and one footer record. The contents of the header record differ between the types of the data downloaded. The Common Footer record only contains a count of the body section records.

The contents of the files will match the criteria specified in the User Interface.

### 4.8.1 Common Footer Record

Field	Type	Format	Comments
Record Type	string		Fixed String "FTR"
Body Record Count	number		

### 4.8.2 Forecast Day and Day Ahead Demand Data

#### 4.8.2.1 Header Record

Field	Type	Format	Comments
Record Type	string		Fixed String "HDR"
File Type	string		Fixed string "FORECAST DAY AND DAY AHEAD DEMAND DATA"



# Service Status

## ELEXON BSC Central Systems Service Status

Last Update: 05 August 2020 10:00 (GMT)

Current Status: Issues on SAA and BMRS Systems operating as expected,

Future Dates: Planned Infrastructure Maintenance

Current Status		Future Dates
BSC Central systems	Service Status	Comments
BMRS		National Grid not sending BSAD Data - system prices impacted
ECVAA		
SAA		Delay in sending SAA Control reports - see circular EL
ECVAA		
CDCA		
CRA		
<b>Websites</b>		
ELEXON Portal		
BMRS Website		
ELEXON Website		
ELEXON Kinnect		
<b>Communications &amp; Data Interface</b>		
ELEXON Portal		
TIBCO Service		
Data Push Service		
BMRS APIs		
ECVAA Reports		
National Grid ESO		





