

ELIXON

BCB Meeting 5

13 August 2021

Agenda

No.	Agenda item	Time	Lead
1	Introductions	10:00	Reza
2	Project Updates 1.Mods/CPs 2.Insights Solution	10:05	Zaahir
3	Insights New API Demo	10:30	Alex
4	Validation of API Design Decisions	10:50	Zaahir / Assad
5	Insights User Interface Design	11:10	Raam
6	Open Data Request	11:30	Angus
7	AOB	11:55	All

Project Updates

Mods/CPs

P399 'BSAD Identity Visibility' change has been completed. NGESO's system were not ready to send flows during testing cycles. A further testing cycle will take place between 17 Aug - 18 Sep.

114-D Removing CSV Downloads from NETA ISS – currently for impact assessment and will be presented to ISG in September

Issue 95 (TIBCO) - Elexon recruiting additional members – planned for September

On the horizon

Dynamic Parameters - The issue will be raised by Energy UK, following Ofgem's 'Open letter on dynamic parameters and other information submitted by generators in the Balancing Mechanism'[\[1\]](#). There concern around the distinction between technical and economic dispatch of parameters and what this could mean in practice. Further discussion with National Grid; scoping Issue Group is taking place between Elexon and Energy UK.

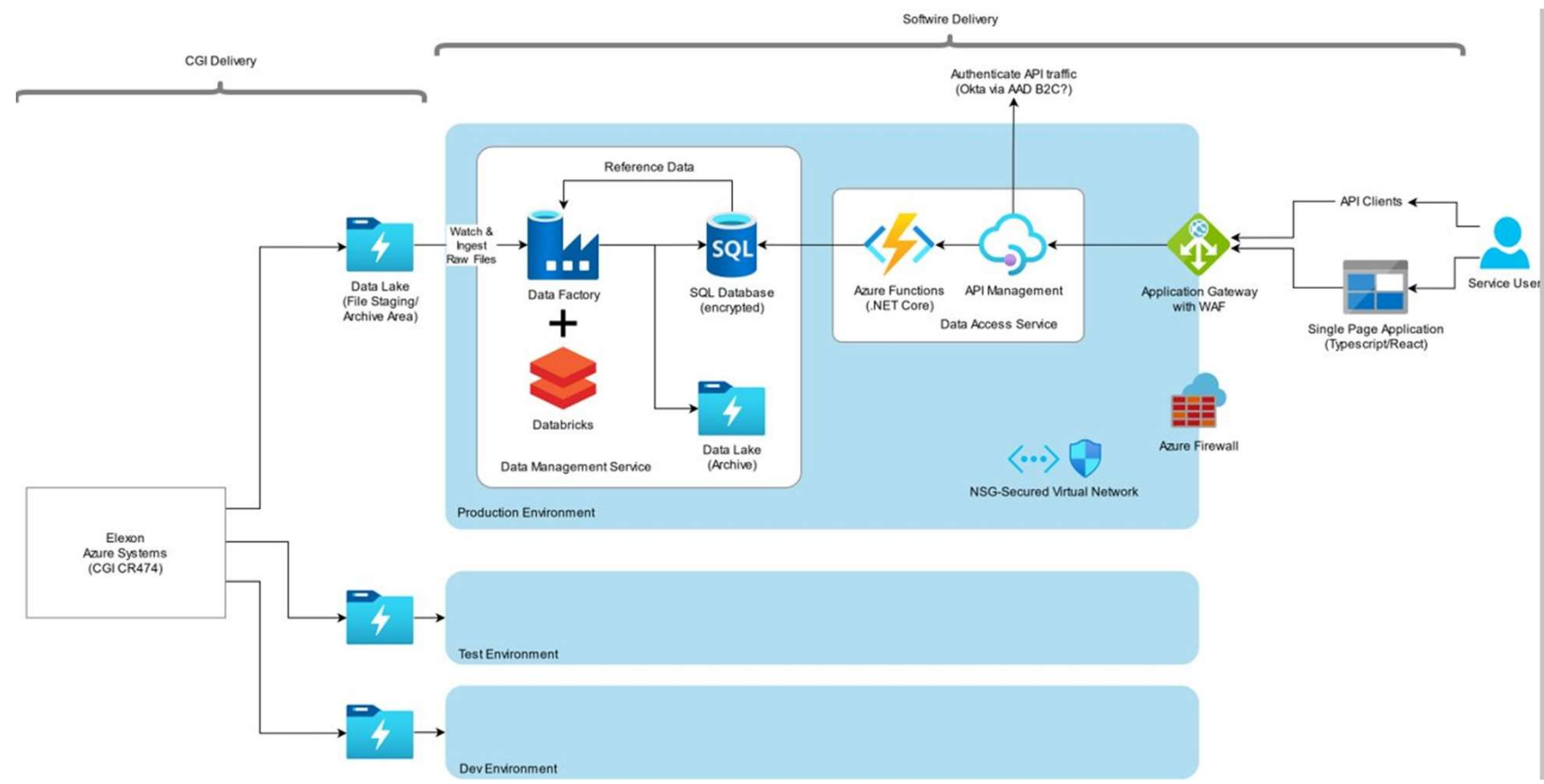
Insights Solution

Project currently underway with new Development Partner (Sprint 4). Building set up infrastructure for data ingestion within Azure Data Lake and database engine for reporting. Two API have been developed and will be demo'ed

10 User interviews completed

Web UI & API Dev Portal development in progress

Insights Solution Architecture



New API Demo

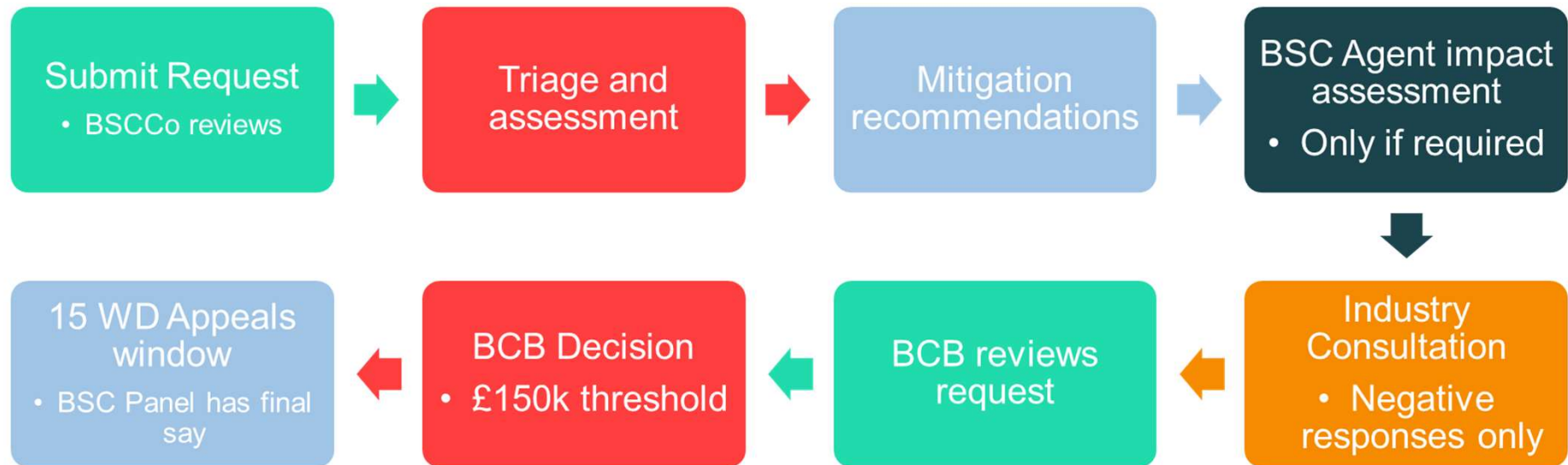
API Design Decisions / Updates

1. We are aiming to expose fuel type and interconnector data and we are looking to expose the Insights Solution API data in two ways;
 - 'Raw' - publish data as received from source
 - 'Augmented' - Parameterised data sets i.e. data provided with settlement periods, bidding zones etc
2. We have combined instantaneous and Half Hourly data sets (FUELINST and FUELHH) into a single endpoint rather than two separate endpoints. Users will be able to filter the specific datatype within the request from that single endpoint
3. Removed 'bidding zone totals' as an output response from API's (FUELINST, FUELHH, FOU and UOU datasets).
4. Data from all endpoints will be available in JSON, XML and CSV format. CSVs will have appropriate column headers and CSV will be used where it make sense to display data in CSV (e.g. hierarchical).
5. Historical Output useable data can be requested by the APIs – Hierarchically grouped by Published dates or Forecast date (CSV may not be available)

Current Process Overview

On 24 June customers were able to submit data requests through the Elexon Website. This allows customers to submit their request and initial information to the Analysis and Insight Team for processing.

[Open Data Requests Webpage](#)



Requests Received

We have had an assortment of requests testing all areas of the request process.

BSC Data Requests:

- D0018 (P30 Data License)
- P0276 and P0277 (P315 Data License)
- SAA-I014 (subflow 2), CDCA-I029, CDCA-I030 and CDCA-I042 (P114 Data License)

Third Party Data Requests:

- Zonal Transmission Loss calculation inputs
- D0030 and D0081
- Embedded Generation Data by MPAN by HH per day for HH Export MPANs
- D0036 or D0275
- List of manufacturers and models of Automatic Meter Reading (AMR) meters have been installed in the UK
- Reduce time for publishing the DERSYSDATA

Data Requests involving the P30, P114 and P315 Data Licenses

Through the Data Licenses, we have a route for customers to access the data. This data is charged for and covered by Licenses outside P398's new Data Licenses – Open; Public; Shared; Closed.

The current restrictions on sharing data provided through Data Licenses (P114, P30 and P315) are due to charging for the data rather than known sensitivity.

Our Triaging of the data highlighted that these datasets could be classified as Open. However, a blocker to classifying these as open is the current licences and charges they are provided under. Panel approval is required to change the data licence and charge.

Our recommended approach for the four Data Requests referring to data currently under the P30, P114 and P315 Data Licenses:

1. Notify Panel that data requests have been received and that an open classification is only possible if they approve that
 - License costs be changed to £0
 - and all data associated with the Data Licenses is licenced under Elexon's Open Data License.
2. Consult industry on our recommendation to classify the data as open
3. Return to BCB with consultation responses
4. If no objections we will formally request Panel agreement to the data licence and cost change

The requests will then be moved to 'Triaged' stage and will continue work to make data accessible and available via API and scriptable. However, until a technical solution is put in place the data will only be available through existing methods.

Through this approach, companies will not have to submit company details for the license, simply request access to the data through the BSC Service Desk for data supplied through the Elexon Portal.

Finance have suspended billing for the data licences until a classification is agreed.

Moving Forward

Eight out of ten Data Requests are now under assessment. This involves looking into the contents of the data flows and identifying any data items that may prevent the data being 'Open'

As we carry out this step, we will build a base of classified data allowing future requests to be assessed more swiftly

As we process the initial wave of requests, we are streamlining and establishing the process. The time from request to publication will decrease.

The importance of APIs and SFTP's (Machine-Machine interfaces) for published data has been made clear by requesters. We are looking into how we can facilitate this until the Insights Platform is capable.

Action Updates

BSC Changes

- Action: To include TIBCO Relay on the issue form
- Raise the BSC Issue
- Raise the CP on IDD

Interconnector Lessons Learnt

- Elexon to review how the GC/DC rules for interconnectors to prevent PNs rejections
- Set up an Elexon/NGESO working group to report decisions and outcomes to BCB

Open Data

- Action: Elexon to put together the prioritisation principles for data requests

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THANK YOU
