ELEXON

Headline report

Meeting name	**Architecture Working Group – MHHS SCR**	Purpose of paper	**Information**
Meeting number	**15**	Classification	**Public**
Date and time	**23 March 2021**	Venue	**By webinar**

1. Introduction

1.1 Elexon opened the fifteenth AWG meeting.

2. Updates from other work-streams

CCDG

2.1 Elexon provided an update from the CCDG. In their last meeting, the group had discussed the outstanding topics arising from the consultation. Regarding the appointments process, Elexon had suggested a potential compromise of allowing the D0155 to continue bilaterally alongside the new process. The CCDG agreed not to make this change for now and to revisit it after the AWG's consultation.

2.2 Work on the transitional arrangements for each market segment are ongoing, and a plan is being drafted for the red-lining of code documents.

Significant Code Review

2.3 Ofgem updated the group on the implementation Consultation, which has now closed. They are continuing to prepare their Full Business Case and final decision, which should be published in Spring. Separately, Ofgem have been meeting with Elexon and DCC/SEC to discuss their changes. The current view is that these changes would have their own SEC Modification, with their own costing process, outside of the changes directed through the CCDG, with the Modification raised after the publication of the Final Business Case.

3. Consultation Questions

3.1 The AWG technical lead presented the draft consultation questions and invited comments from the group, noting that changes could be proposed outside of the meeting:

- Have we captured all of the requirements?
- Have we picked the right data integration/architecture style?
- Do you agree that we need a new data integration style?
- If so, is an Event Driven Architecture the best way to do this?
- Any other comments?

3.2 One group member suggested including a question on whether the proposed business process maps had correctly captured the service design.

4. Next phase product description

4.1 The Ofgem technical lead presented the product description for the next phase of work, the Architecture Design Working Group (ADWG). The product is based on the assumption that the AWG reference architecture is accepted, and focusses on two areas:

- What do we need to do to get the data integration platform in place?
- What do we need to do to get people to be able to integrate with it?

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4.2 Ofgem covered the document, explaining the scope, key principles, implementation approach, product composition, then covered the different artefacts in the product description and who would be responsible for their development.

4.3 Ofgem noted that their decision to proceed with the AWG's recommendation wouldn't be final, and that there would be a further checkpoint after this. The first stage, were the scope of the Data Integration Platform is created and initial process drawn up is expected to take 4-5 months; approximately July-November.

4.4 Elexon noted that the first objective of the new work would be to reach a point where parties have sufficient information to carry out an indicative costing, before another decision checkpoint. It was suggested that it would be helpful to separate out the phases of work in the product description, including indicative timescales.

4.5 The group discussed the artefacts in the product description. It was noted that the list was put together to start work on a plan for their development, which would be developed alongside the CCDG and a Project Manager.

4.6 There was a further suggestion that distinguishing between the conceptual/logical architecture and the physical building blocks would help focus the deliverables of the ADWG.

5. Recommendation

5.1 The group discussed the AWG's recommendation, specifically around the scope of the Event Driven Architecture (EDA), and the continuing role of the Data Transfer Network (DTN). Points included:

- There is popularity amongst the suppliers at the CCDG around using an adapted form of the D205 flow, which would require continued use of the DTN.
- The EDA is a modern solution that can cope with the large volumes of data, this works because of the different messaging style: with a DTN you're sending a message to someone, with an EDA you're stating that something has happened and the broker notifies those that are interested.
- There was a concern around the cost to industry of all parties moving to new processing; with a group member suggesting minimal change would be safest.
- There was a concern that if consumption data was moved to the EDA, but not registration data, the event broker would still need to access the registration data, leading to an additional cost.
- A number of group members took the view that this would be a good opportunity to futureproof the system, despite the additional cost. It was suggested that the recommendation paper should detail the future benefits of the EDA.
- One group member suggested that it would be important to correctly frame the recommendation, noting that there would be room for change in the next phase of the work.
- The group discussed the possibility of using existing infrastructure designed for the central switching service, noting that this is a commercial consideration and would likely come up during the process of deciding who will build and operate the new system.

6. AOB and Close

6.1 The next meeting was moved to **Wednesday 21st April**.