

Headline report

Meeting name	Architecture Working Group – MHHS SCR	Purpose of paper	Information
Meeting number	14	Classification	Public
Date and time	23 February 2021	Venue	By webinar

1. Introduction

- 1.1 Elxon opened the fourteenth AWG meeting.

2. Updates from other work-streams

CCDG

- 2.1 Elxon provided an update from the CCDG. In their last meeting, the group had discussed the consultation responses on the detailed design areas. They noted some disquiet amongst larger suppliers about the changing appointments process, and that distribution businesses were keen to maintain Meter Technical Details.
- 2.2 It was suggested that the consultation responses might have an impact on the AWG's work in the event that the appointments process is revised. There could also be changes to the data involved in Meter Technical Details.

SEC Discussions

- 2.3 Ofgem noted that they had been working with Elxon, SECAS and the DCC to discuss their MHHS solution. They are discussing a number of key decisions:
- Should there be a maximum requirement on register reads to save capacity on the DCC network?
 - Should the response time of the MDR user on the DCC system be longer than the current 30s?
 - Should this response time apply to only the MDR user role, or should suppliers acting as MDR have the same?

Significant Code Review

- 2.4 Ofgem updated the group on the [Consultation](#) they have published, explaining their minded-to decision to place responsibility for implementing MHHS with industry, with Elxon as Senior Responsible Owner. Ofgem would still have oversight, but Elxon would do the Project Management, System Integration and Assurance. The Consultation is open until 5 March.
- 2.5 Ofgem are still working towards the full Business Case and their final decision, which will be published in Spring. In addition, they are still developing the transition plan timetable with key stakeholders.

3. EDA Reference Model Recap

- 3.1 The group discussed the Event Store described in the EDA Reference Model, noting the key features of the short-term data stream, applications, and long term store. In the model, users would subscribe and receive authorisation to access both data stream events and filtered outputs.
- 3.2 The group discussed the data store, noting that this would be part of the service, and owned by the event broker. This party has not been confirmed yet.
- 3.3 One group member suggested that this method would lead to duplication of data between the Meter Data Service (MDS) and the long-term store. It was noted that there may be some benefit to duplication, as parties

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could use the long-term store for data recovery. In addition, the store would contain more data than is required purely for settlement. Another group member noted the importance of GDPR when dealing with consumption data.

- 3.4 The group moved onto the next steps following the confirmation of the reference architecture. Ofgem informed the group that following the AWG's work would be a more detailed industry design phase for the 8-9 months following the AWG's recommendation. Ofgem are currently working on a product description for this piece of work, which they intend to submit for industry consultation.

4. Draft Recommendation Paper

- 4.1 The AWG technical lead presented a number of points for consideration on the AWG's draft recommendation paper, which had been circulated to the group.

Introduction and Background

- 4.2 The group made a number of points on the Introduction and Background section, notably:
- It is important to strike a balance between detail and accessibility, noting that the paper would form the basis of a consultation read by non-architects.
 - It would be useful to include information on where the AWG recommendation fits into the overall plan for the MHHS Significant Code Review. It was noted that Ofgem could provide this context in a foreword for the consultation.
 - There should be a description of exactly what a reference architecture is; noting that it is not a implementation guide and that it leaves technology choices open.

Business Context

- 4.3 The key comments on the business context were:
- It would helpful to use a diagram to highlight how much of the remaining systems and processes are not being amended.
 - Similarly, it would be helpful to use existing volumetric data to compare with the new data volumes.
 - It was suggested that the document could be initially shared with the CCDG members to get their views, highlighting specific questions or sections.

Recommended Architecture

- 4.4 The group suggested that the Event Driven Architecture wasn't being described well enough in the draft document, and that the interfaces and component model could be explained better. This would help highlight the advantages of the EDA, including handling the large increase in consumption data.
- 4.5 It was noted that Ofgem's Design Advisory Board would be a good barometer for the appropriate level of detail to include on the architecture.
- 4.6 It was suggested that it should be clarified that this architecture is only for the new systems and processes, and would exist alongside the DTN. It would then be important to explain why the group are recommending keeping both systems.

Alternatives

- 4.7 A group member suggested there would likely be questions around why 'no change' is not an option. The group proposed a number of reasons, including end-to-end encryption, and other advantages of more modern architectures such as changeability and futureproofing.

Consultation

- 4.8 There was no time to cover the consultation prep in the session, however, Ofgem and Elexon agreed to prepare some guidance on what the consultation seeks to achieve.

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5. AOB and Close

- 5.1 One group member suggested that they were expecting pushback on the cost to industry participants. Ofgem noted that the business case includes a cost-benefit analysis, and that it would be helpful to include more on the ways the AWG's recommended architecture minimises costs.
- 5.2 AWG15 will take place on Tuesday 23rd March 2021.