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MEETING NAME Architecture Working Group

Meeting number 01

Date of meeting 05 December 2019

1. Introduction

- 1.1 ELEXON introduced the Design Working Group's (DWG's) Target Operating Model (TOM) for Market-Wide Half-Hourly Settlement (MHHS).
- 1.2 Ofgem introduced the Significant Code Review (SCR).
- 1.3 Introductions from members of both groups. All AWG members attended.

2. AWG Terms of reference

- 2.1 ELEXON presented the agenda for the AWG's workgroup sessions, and the members introduced themselves with respect to their architecture background, and their ambitions for the group.
- 2.2 The group discussed the Terms of Reference:
 - Ofgem confirmed that although they are still technically in a draft form because they have not been published, they do not expect any further changes.
 - They also noted that the group should work on the assumption that Ofgem's preferred TOM would be the final TOM.
 - The group wanted clarity around ELEXON's ToR diagram, where the 'data store' in Ofgem's ToR had become BSC Central Systems. **ACTION** ELEXON will clarify the terminology with Ofgem.

3. Ways of Working

- 3.1 The group discussed the ways of working:
 - ELEXON introduced the deliverables, including the detailed work plan to be approved by Ofgem by the end of January.
 - The group agreed that the next meeting would be held at ELEXON's offices on 21st January 2020. The group noted that teleconference might be appropriate for select future meetings.
 - It was agreed that most of the group's work would happen between meetings, and suggested that the group utilise an online collaboration tool. **ACTION** on ELEXON to look into collaboration tools.
 - **ACTION** on ELEXON to draft architecture principles and forward work plan, then circulate to group for review, for confirmation at the meeting in January.
 - The group agreed that they should be able to call meetings outside of the monthly timetable. This will allow any difficulties that arise to be dealt with as they happen.

4. Forward Work Plan

- 4.1 The group raised the importance of avoiding duplication of data, and that this was a principle that needs to be considered throughout the process.
- 4.2 Registration data:
 - The group noted that it was important to work out the scope of registration data feeds, and how registration data is passed between services, including the interfaces that will exist.

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- They confirmed that the 7 registration data flows identified were all in scope. They noted that using the same colour-coding as in the TOM diagram would be useful in the registration data diagrams.
- The group discussed the use of terminology in the registration flow diagrams. Firstly, that some of the parties weren't necessarily suppliers, as they are services that can be contracted out. They recommended the use of 'Balancing Responsible Party' instead, as this is the term used in the TOM, and where the obligation lies, even if the process is contracted elsewhere.
- The group suggested that not all registration data comes from the LDSO, as indicated in the diagram. Some data will come from the CRA; they questioned whether this was for the AWG's consideration. **ACTION** on ELEXON to confirm with the CCDG as to whether registration data in the CRA is included in the TOM.
- The group suggested that registration data flows are not unidirectional. **ACTION** on the AWG to discuss with the CCDG whether this needs to be considered.

4.3 The group discussed the eight flows of meter data included in the TOM and decided that they are all in the scope of the AWG's work.

4.4 The group discussed the proposed forward work plan:

- There was a view that the work plan needs to be more detailed around deliverables, including product descriptions and responsible owners.
- ELEXON explained that some of the timings in the work plan are based on the relevant CCDG deliverables, and broadly explained what these deliverables were.
- The group questioned how the AWG would contribute to the transitional arrangements for MHHS; and whether they need to consider how new systems will interact with legacy systems. For example, do the AWG need to consider interactions between a NHHDA and the SDS? **ACTION** on ELEXON to discuss this with the CCDG.
- The group questioned whether there would be any prototyping or load testing of the solution. ELEXON confirmed that the group would be setting architecture requirements and not low-level design.

5. Architecture Principles

5.1 The group discussed using the TOGAF ADM principles as a basis; only selecting those that are relevant to the AWG's work.

5.2 On data architecture:

- Ofgem noted that we could expect the Energy Data Taskforce (EDTF) findings at some point in the process. They suggested that the AWG review the EDTF principles once they are published.
- The group noted the importance of data report-ability, and visibility of exception handling. They noted that these might fall under the resilience and recoverability architecture principles.

5.3 Information security:

- ELEXON noted that they are considering the National Cyber Security Centre (NCSC) and Cyber Assessment Framework (CAF) principles.
- Ofgem raised the importance of assessing the impacts of potential security breaches. Information security guidelines should be appropriate for the size of the potential impact.

6. A.O.B.

6.1 **ACTION** – Ofgem to compare AWG's principles with Ofgem's development principles.

7. Next Meeting

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7.1 The next meeting will be held on the 21st January 2020.

AWG Actions Log			
Ref	Action	Owner	Last updated
01/01	ELEXON to clarify the nature of the 'data store' in the Ofgem documentation.	Mark De Souza-Wilson	05/12/19
01/02	ELEXON to look into tools so that group members can make iterative document updates.	Andy Roberts	05/12/19
01/03	ELEXON to draft architecture principles and forward work plan and circulate to the group for confirmation at the January meeting.	Andy Roberts	05/12/19
01/04	ELEXON to confirm whether registration data from the CRA should be considered within scope of the TOM.	Mark De Souza-Wilson	05/12/19
01/05	ELEXON to discuss with the CCDG whether registration data flows have to be considered in both directions.	Andy Roberts	05/12/19
01/06	ELEXON to clarify the AWG's role in the transitional arrangements, for example whether they need to design for interactions between new and legacy roles.	Mark De Souza-Wilson	05/12/19
01/07	Ofgem to compare the AWG's draft principles with Ofgem's TOM development principles.	Jasmine Killen	05/12/19