**SAPIF 06 March 2019 meeting**

**BEIS – Katy Read** slides 4 to 8

* Overview, background etc provided, particularly making connections with ‘The Buildings Mission’.
* SAP 10.2 would be for adoption, sometime in 2020s
* SMETERS project aims to deliver ability to measure the actual thermal performance of the building.

**Working Groups – general:** slides 9 to 11

* Reiterated the 3 main objectives and referenced the 5 generic outputs.

**WG #1 Domestic Hot Water (DHW)** slides 12 to 19

* WG decided to expand their scope to include heating.
* Scope boundary is one-day of hot water storage. There afterwards, see WG #3 Home Energy Storage.
* Their next meeting is 10 April.
* **ACTION: All** provide feedback to [isaac@eua.org.uk](mailto:isaac@eua.org.uk) (refer the last slide (19 of 76)
* Overlaps: #2 Smart controls; #3 Home Energy Storage and #5 Vent & IAQ.

**WG #2 Smart controls, technologies and tariffs** slides 20 to 31

* Had difficulty in defining “Smart Control” – the reason being that everyone disagreed.
* BRE noted that a functional definition would be needed so that the mechanism for reducing energy use is clear.
* **ACTION: WG#2** needs to collaborate with other WGs to identify overlaps and decide where these will be covered to minimise duplication.
* **ACTION: WG#2** to ensure the scope of technologies covered is feasible and is prioritised appropriately to explore within the timelines.
* **ACTION: All WGs** to engage with Smart Controls WG.
* Smart Controls span both the asset and the occupants (operation).
* Overlaps. #1 DHW; #3 Home Energy Storage; #4 Overheating; and #5 Vent & IAQ.

**WG #3 Home Energy Storage (heat & electricity)** slides 32 to 47

* SAP 10 does not currently recognise home storage beyond batteries.
* There is a need to remove the barriers to enable developers to utilise home energy storage.
* ‘Active buildings’ the prize.
* Carbon and pricing factors are key influencers.
* Noted that the choice of metrics is important, and all groups encouraged to consider performance of the technologies they are exploring against different metrics.
* **ACTION: WG #3** to meet with BRE to understand current state of play re storage in SAP
* Need to describe what the storage unit does, rather than explain the modelling aspect.
* **ACTION: WG #3** contact De Montford University as they have extensive experience of in-the-ground-storage. (source: Rob Pannell)
* Overlaps: #1 DHW; #2 Smart Controls; #4 Overheating; and #5 Vent & IAQ.

**WG #4 Overheating including prevention & cooling** slides 48 to 57

* Need to accommodate Dynamic Modelling aspects (rather than Static Modelling aspects).
* Would like WG #5 Ventilation + IAQ to have input on the work, possibly as a representative.
* **ACTION: WG #4** to include passive Cooling.

**WG #5 Ventilation and Indoor Air Quality (IAQ)** slides 58 to 71

* Next meeting is early April.
* Need to consider noise as a factor influencing ventilation e.g. ability to open windows.
* Notes there is a conflict with energy reduction, as need energy for operation of fans.
* **ACTION: All WGs** to forward details of any one they consider could assist WG #5.
* Overlaps: #4 Overheating.

**WGs’ central data store** slides 73 & 74

* Purpose is for everyone to share / access / view material.
* WG internal documents best managed within each WG’s own document repository.

**Future meetings: slide 75**

* RDL suggested four:
* June / July Leaders / CoLeaders only “Are we all OK?”
* October Open to all “How are we doing?”
* January 2020 Open to all “Last chance before handover”
* March 2020 Leaders / CoLeaders only Presentation of findings

**General**

* WG are very happy to accept offers of membership / contributions.
* Unclear how to handle new products / systems that are clearly commercially sensitive. JohnTe suggested a way to overcome this: SAPIF is not interested in how a product / system works per se, but more what its performance and criteria needed to model its performance.
* Smart Grid will be a significant factor.
* **ACTION: BRE** to advise on outputs needed from each Working Group from the viewpoint of SAP11 developers within next 2-3 weeks.
* Members / contributors do need to be engaged.
* SAP11 needs to be a model of reality that is suitable for all Devolved Administrations.
* Outputs for each WG need to address the following, as these feed into the specification for the construction of SAP 11:
* How does it work?
* What are the ways in which it is used?
* What sort of performance?
* Unintended consequences (e.g. noise, security etc)?
* Quality of the installation (workmanship) that has a significant effect?
* Appendix Q / PCDB needs to far more easily accommodate new technologies and systems.
* If any WG has concerns – seek guidance from BEIS (Katy Read).
* If BEIS has relevant information – this will be shared with the relevant WGs.
* Suggested a SAPIF calendar would be useful for the coordination of meetings etc. This will be hosted on the central data store.
* BRE suggested that electric car charging was out of scope. However Vehicle to Grid charging could be viewed as just another battery that just happened to be on wheels; however, as the home owner will take the car with them, it should not form any part of an asset rating.

- End -