SAPIF first meeting 27 June 2018 Meeting

Attendees:

BEIS	Katy Read
MHCLG	Victoria Tink
BRE	John Henderson, Jose Ortiz and Paul Davidson
RDL	John Tebbit (Chair) and Nick Booth
Members:	Adrian Regueira-Lopez, Bean Beanland, Gemma Stanley, Ian Abley, Jeff House, Jonathan Ducker, Matthew Hurd, Martin Fulwell, Nick Howlett, Sam Crichton, Steven Sutton, Silvio Junges, Stuart Fairlie

Apologies:

Members:	Graham Hazell, James Russill and Lily Frencham

Acronyms:

The following are those that may not be known to readers when published in BRE's website.

BEIS	Department for Business, Energy and Industrial Strategy
EPCs	Energy Performance Certificates
MHCLG	Ministry of Housing, Communities and Local Government
RDL	Robust Details Limited
RdSAP	Reduced Standard Assessment Procedure
SAP	Standard Assessment Procedure
SAPIF	SAP Industry Forum
SAPSIG	SAP Scientific Integrity Group

1   Introduction

1.1   Agreed 'full' minutes would not be taken and circulated.

1.2   Meeting minutes would be placed in the public domain.

1.3   SAPIF is not a policy-making group, this being Government's role.

1.4   Explained the interrelationships between BEIS, BRE, SAPSIG, SAPIF and RDL.

1.5   SAPIF members were reminded that as their membership was on behalf or an organisation(s) / association(s), this implied consulting with that organisation(s) / association(s).

1.6   Conflict of Interests: clearly most have, as per their declared representations; but anything 'generally unknown' should be declared.

1.7   SAPIF Terms of Reference (version "for first meeting") were agreed; noting that "SAP" in the 2nd section also referred to RdSAP.

1.8   SAPIF Member Acceptance Form: noted that the section "Directorships" also included partners, executive directors etc.

1.9   **ACTION: RDL** to issue SAPIF member acceptance form plus attachments to SAPIF members for completion.

2   BEIS – 'The Building Mission'

2.1   Katy Read gave an overview, followed by feedback from members.

2.2   Suggested that 'healthy' should be added to the 1st bullet point.

2.3   Suggested there was a need to define 'clean heating', clean cooling etc.

2.4   Suggested that data for EPCs should: (1) not overwrite earlier data, (2) be able to capture changes.

2.5   The general thinking was that cooling might, in the future, be significant in some parts of the country, in terms of energy use.

2.6   **ACTION: SAPIF members** to forward comments / observations relating to 'The Building Mission' to BEIS (Katy Read) by end July 2018.

The Buildings Mission –
At least halve the energy use of new buildings by 2030

On 21st May, the Prime Minister announced this ambitious mission as part of our 'Clean Growth Grand Challenge'. This will be achieved by:

- making sure every new building in Britain is safe, high quality, much more efficient and uses **clean heating**

- innovating to make low energy, low carbon buildings cheaper to build

- driving lower carbon, lower cost and higher quality construction through innovative techniques

- giving consumers more control over how they use energy through smart technologies

- halving the cost of renovating existing buildings to a similar standard as new buildings, while increasing quality and safety

Department for Business, Energy & Industrial Strategy

3   Priorities to consider for SAP 11

3.1   Each SAPIF member was asked in turn to advise their priorities.

Repeated asks

- The main area of feedback was on smart techs and variations thereof:
  - Recognition of smart controls
  - Integration of technologies such as heating with ventilation; automated window opening
  - Occupancy detection, and behaviour learning algorithms
  - Interaction between solar PV and smarter controls/tariffs
  - Recognising benefits of helping to balance the grid
- Many mentioned the treatment of batteries and fuel cells needing to improve as they will become more widespread.
- Many mentioned it needs to more accurately reflect overheating / cooling.
- Several mentioned more accurate treatment of hybrids / secondary heating.
- Recognition of gas heat pumps as these are expected to become more widespread (in 7-8 year's time).

One or two requests

- More product types should be able to be listed in the database, with the right evidence to back it up, but without setting the barrier too high that prevents innovation.
- Mixed views on how regularly carbon factors and fuel prices should be updated, but all agreed that currently it is much too long. Potentially more like every 1-2 years.

- Address how thermal mass is treated in SAP and unintended consequences for overheating.
- Recognise benefits of measures which improve indoor air quality.
- Treatment of hot water needs to be more accurate.

Other points:
- Need to consider outputs to the consumer – if only one or two pieces of information on the EPC are unrealistic, it makes them question the whole document and lose confidence/trust.
- Industry should be able to feed into the approval of SAP conventions.
- We should reassess what is considered under regulated energy to make sure it's still appropriate.

3.2 Jose Ortiz (BRE) articulated BRE's desire for industry's help with introducing new technologies and methodologies to ensure SAP can model reality as accurately as possible.

3.3 Noted there were numerous technologies currently available that were not recognised and hence achieving benefits in SAP; understanding the need for evidence and data; and taking their impact on the building as a whole rather than just as a product

3.4 Suggested SAP needs to be updated more frequently in terms of: (1) fuel costs and (2) new technologies.

3.5 Suggested that manufacturers need to engage early with BRE, in their development programmes.

3.6 **ACTION: SAPIF members to consider, for SAP 11 how it can fully recognise and represent new technologies including smart technologies. Initial thoughts would be useful if they could be sent to the Secretariat by end of September 2018 so they can be incorporated in papers for next meeting.**

Meeting minutes to be accompanied by the presentational slides.

Next meeting to be convened for autumn. Details to be issued accordingly.

- End –