



Each Home Counts Implementation Plan – Standards

Last Updated: 12 February 2018

1. Purpose and Objectives

Set out what the workstream is intended to deliver in terms of new outputs, products, or services. Include which of the Review's recommendations are being addressed where relevant.

The work stream is developing PAS 2035 a new specification for the end to end delivery of retrofit for EEM (Recommendation 8). It is also revising PAS 2030 Installation of EEM. Both documents are scheduled to be published in September 2018. The research project (Recommendation 10) was carried out in 2017 and identified a further four Standards that are needed in this area covering

- Assessment of dwellings for retrofit
- Thermal comfort and indoor air quality
- Air-tightness and ventilation for domestic retrofit; and
- Domestic energy advice for householders.

A further standard need has been identified by the Monitoring, Measurement, Validation work stream.

The Retrofit Standards Task Group that was set up (Recommendation 9) to oversee the workstream activities has set up four sub-groups to scope out the proposed Standards above.

2. Workstream Lead

The work stream is being led by Clare Price for BSI and Peter Rickaby consultant, who chairs the Task Group.

3. Members of the Workstream

Retrofit Standards Task Group Members
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Dr Peter Rickaby (Independent) Chair	Nigel Banks [or Luke Gallagher] Keepmoat
Clare Price BSI	Brian Berry FMB
Rosie Harper BSI	Barry Mortimer AECB / Passive House Trust
Peter Caplehorn CPA	Chris Herring Innovate UK
Raj Vagdia (cc Howard Porter) BEAMA	Colin King BRE
Rob Warren Saint-Gobain / BSI CB/30	Neil May / Nigel Griffiths STBA / UCL
Alex Baines Encraft	Kerry Mashford NEF
Chris Newman Parity Projects	Ray Ferris Trustmark
Robert Prewett Prewett Bizley / Retrofit Academy	Barry Turner LABC
Lynne Sullivan RIBA / Green Construction Board	Catrin Maby
Alan Cochrane Retrofit Design Services Ltd / EHC whole house implementation lead	Ian Drummond DCLG / competent persons schemes
	Richard Bayliss CITB
	Jon Denyer / Claire Curtis Thomas BBA

Others interested	
Jenny Saunders National Energy Action (NEA)	Sarah Kostense-Winterton MIMA
Mike Giles Electrical Contractors Association (ECA)	Cecilie Ingversen Energy UK
Alan Wells Certsure LLP	John Sinfield Knauf Insulation
Simon Morgan Wemico	Akta Raja Enhabit Ltd
Karl Haughton BEIS – ECO policy	Micheal Wilson DCLG
Nick Ralph Rockwool	Alan Siggins Airflow/BEAMA
Janicke Aitken Structherm	Nikki Fitzgerald Welsh Government
Malcolm Hynd/Janet Gascoigne UKAS	Kevin Taylor NFRC
Andrew Tebb Polypearl Ltd	Katie Nurcombe INCA
Simon Markall Which?	Barry Turner LABC
Nigel Griffiths Sustainable Traditional	Gideon Richards Cwp-ltd
Neil Schofield Worcester Bosch	Jon Bootland Passivhaus Trust
Lesley Rudd SEA	Russell Building Alliance
Stewart Clements HHIC	Neill Ryan VRM Tech
Richard Bayliss CITB	Tony Allen HEIS
Russell Day GGF	Sandra Walmsley MCS Charitable Foundation
Russell Beattie FETA	Keiyh Horgan Ofgem e-serve
	Lesley Rudd Sustainable Energy Association
	Neil Marshall NIA
	Jaqueline Crawford CORGI fenestration

5. Connection with other workstreams

Significant connections with the QM work stream as CoP and Code of Conduct/Customer charter documents will provide the basis of a QM scheme.

A key link has been identified with the Monitoring, Measurement and Validation work stream which is working towards establishing a standardised process in support of continuous improvement in this area.

We are also working with the Advice work stream on the delivery of a Standards portal via the proposed Information Hub.

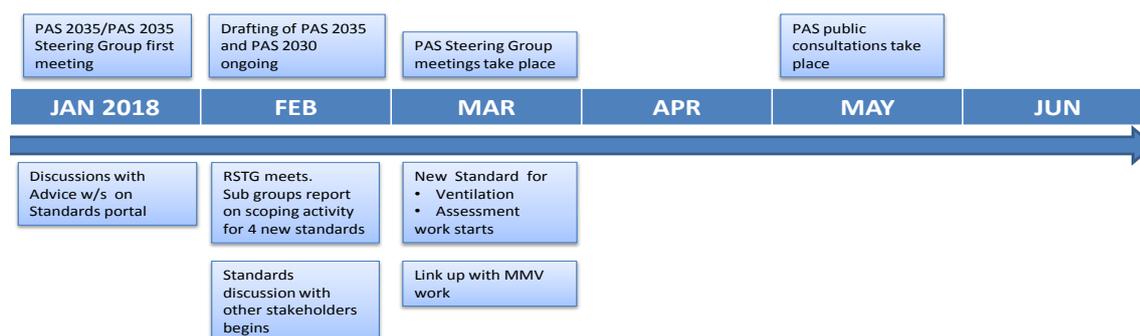
Also working with the Insulation & Fabric, HET, Design and installation work streams.

We have also had successful meetings with the compliance and enforcement leads, and the social housing group where connections have also been identified.

6. Key Activities (with timings and outputs)

Identify milestones for key activities or outputs – including intermediate milestones leading to outputs. i.e. milestone template and compatibility register: (right click - presentation object - open)

Each Home Counts Implementation Milestones – Quality and Standards Work stream



7. Resourcing

Outline how will activities be resourced?

New standards identified are expected to be developed as follows:

- Air-tightness and ventilation for domestic retrofit – PRIORITY - PAS/Sponsorship required
- Assessment of dwellings for retrofit – PAS/sponsorship required
- Thermal comfort and indoor air quality – with standing BSI Technical Committee
- Domestic energy advice for householders – PAS/sponsorship required (with the Advice workstream)
- MMV process – PAS/sponsorship required (to be developed as part of a research and pilot study project with MMV Work stream)

Resource contribution so far:

Many contributions to this effort have been voluntary and run as part of the BSI National Standards Body function.

BSI contributions include:

- staff participation in the EHC Implementation Board and final report
- hosting and running two workshops to scope out recommendations
- setting up and running a new retrofit Standards task group including 6 meetings to date
- securing and managing BSI/BEIS funded research activity
- development of roadmap and dissemination

Non BSI contribution:

- voluntary participation in the Retrofit Standards Task Group should be acknowledged including attending meetings and contributing online
- 4 sub-groups led by RSTG members developing scope of work required for new Standards
- BEIS/ECO sponsorship for PAS 2035 development and PAS 2030 revision

Future resourcing needs expected to include

- Sponsorship/funding for 2-3 new Standard PAS deliverables expected in 2018
- BSI Technical Committee activity for 2 new British Standards including BSI ongoing support (NSB function)
- Development of a Standards portal (BSI and partners) – ie an online tool for the retrofit delivery industry (SMEs) to include PAS 2035 content and all other content required by users (including formal/non-formal standards content)
- License fee and management of access to portal for EHC/QM registered companies required (Q4 2018 onwards).

8. Risk Management

Set out the top 3 risks/issues to delivering the work stream and outline how these will be mitigated. Identify any key dependencies.

Risks or issues	Impact	Risk/issue level L, M, H	Mitigation / Actions
Agreement and co-ordination across the work streams: particularly with the Quality mark and Enforcement work streams. We need to work closely to ensure agreement on technical requirements for a smooth roll out.	EHC QM is not taken up by industry due to PAS 2035 being seen as too onerous (or PAS 2035 fails to deliver a higher standard of requirements)	H	Consultation between QM and Standards work stream needed
Issue around the replacement of MTCs with qualifications based requirements in PAS 2030 is complex and an interim solution may be needed	Confusion in the market place or lack of buy in to QM	H	Support from BEIS to take a staged approach and potentially manage expectations with the ECO team or request a transition period
Key issue around implementation has been raised by industry between old PAS 2030 certification and new PAS 2035 requirement. A transition period has been requested	Implementation of new requirements is not done in a timely manner.	H	BEIS/ECO/Ofgem and CBs consult to find a reasonable solution

Key dependencies

Important that the Quality Mark and Standards work stream agree the way forward.

Also essential that the training and skills work stream has the ability to provide the required input to PAS 2030.

9. Activities in the last month

List high level activities completed in last month

- PAS 2035 and PAS 2030 standards development in progress
- Ongoing discussions regarding the Standards portal
- RSTG sub groups developing scopes of further 4 Standards

10. Activities in the next three months

List high level activities aiming to complete in next month

- PAS 2035/2030 development including public consultation
- Resolve the issues around skills content in PAS 2030
- Discussions with QM work stream to agree the way forward
- Work to start on new Standards