



## Event support proposal

### Proposal Outline

#### Event Workshop Title

Are you prepared for October 2015? - Scotland Section 6 Low energy building standards

#### Lead Facilitation Organisation

Zero Carbon Hub

#### Event Partners

Construction Scotland Industry Leadership Group (CSILG), Building Standards Division (BSD), Construction Innovation Scotland Centre (CSIC), Homes for Scotland (HFS) and Scottish Property Federation (SPF)

#### Project Manager

Ross Holleron

#### Project Length

July - Sept 2015 (inc pre-event preparations and feedback report)

#### Proposed Start/End Date

July 2015 – September 2016

#### Audience

All sized House Builders  
Building Contractors  
Product / system manufacturers  
Building Control Officers  
Building Professionals  
Architects  
Engineers  
Scottish Government Departments  
Clients



## **Proposal Outline**

### **Background**

The Scottish Government has made it clear, via their revisions to Section 6 - Energy Standards, that improving energy and carbon performance from new buildings will play an important role in their future climate change mitigation and adaptation strategies. However, following the reconvened Sullivan Recommendations, the introduction of these new standards has been delayed until October 2015. There are two primary reasons for this revised timescale:-

- A need for the construction industry to adapt and recover from the economic crisis
- Concerns that the wider supply chain is unprepared for the technical challenges these new higher performance standards will instigate

Following discussions with Building Standards Division (BSD), Construction Innovation Scotland Centre (CSIC), Homes for Scotland (HFS) and Scottish Property Federation (SPF), the Construction Scotland Industry Leadership Group (CSILG) have secured 'in principle' support for a series of joint awareness raising and industry feedback workshops.

In addition a selection of energy modelling software providers (SAP and SBEM) have expressed an interest in providing software and expert operators to help with assessments and demonstrations. A number of product manufacturers are also being approached by CSILG with a view to part sponsorship of the events.

### **Objectives/Purpose**

The two day workshop event has three primary aims to achieve:-

1. Raise awareness of the impending tougher Section 6 - Energy Standards, for domestic and non-domestic sectors, across the construction industry
2. Gather feedback on the critical areas where industry considers there to be risks and opportunities
3. Provide the Building Standards Division concise feedback indicating where government and industry can collaborate to deliver more robust solutions for the 2015 standards and beyond

### **Workshop Organisation/Structure**

Discussions with the CSILG (Stewart Dalgarno) have resulted in the proposal for two (1 day) events in order to ensure a successful outcome for both the attendees (in terms of knowledge transfer) and the organisers (Feedback and prioritised 'Government & Industry Actions' short list). To be held on consecutive days at the Lighthouse in Glasgow on the 17th and 18th August 2015. The first will target the domestic new build sector, the second the non-domestic new build sector.

In order to maximise the range of people attending a half day workshop will be repeated twice on each of the days. Provisional agendas have been developed for each day as described on the following pages.



## Day 1 17<sup>th</sup> August – Domestic Buildings - In association with Homes for Scotland

- Part 1 – 9:30 – 10:30 - Introduction and context
  - Welcome, Introductions & Purpose of Day - CSILG
  - Facilitation – Zero Carbon Hub
  - Domestic Regulation Changes Overview – BSD
  - SAP Changes - BRE Scotland
  - 15 Minute Break
- Part 2 – Workshop Session 1– 10:45 – 11:00
  - Summary of potential solutions based on four common house types
    - Terraced / Semi-detached / Detached with integral garage / Detached separate garage
    -

By working in conjunction with CSILG and HFS, a range of pre-calculated solutions will be presented to provide the attendees with an appreciation of the new performance requirements. In addition the following wall chart will be pre-printed in large format and co-branded with supporting partner logos etc.

	Current spec	Notional spec	Fabric first	Heat Pump	Solartechs
Mid - terrace	U-values Vent Services TER/DER ❌				U-values Vent Services TER/DER 😊
Semi-detached					
Detached (int garage)	<div>Range of options shown</div>				
Detached (no garage)					



- Part 3 – Workshop Session 2– 11:00 - 12:15
  - Split into two groups and asked to discuss the following questions
    - Across the supply chain; planning, design, manufacture, construction
  - What are the concerns / comments, risks and opportunities these alternative strategies create?
  - What could the Minister do over the next 6 - 18 months to help industry successfully deliver this new generation of homes?
- Part 4 – Summary & Close– 12:15-12:45
  - Groups asked to feedback their thoughts to the wider group
  - Next steps

The Hub Facilitator will help capture the attendee feedback using the following wall chart. This session will help the attendees identify major risks / opportunities industry perceives in the short term, and prioritise their ideas for collaboration between government and industry.

	Planning	Design	Manufacture	Construction	Occupation / Maintenance
Concerns	<i>Ideas</i>				
Risks					
Opportunities					
Gov Actions				<i>Ideas</i>	
Industry Actions				<i>Collaborations?</i>	

The afternoon session will then repeat this process starting at 13:30

- Part 1 – Introduction and context - 13:30 – 14:30
- Part 2 – Workshop Session 1– 14:45 – 15:00
- Part 3 – Workshop Session 2– 15:00 - 16:15
- Part 4 – Summary & Close– 16:15-16:45

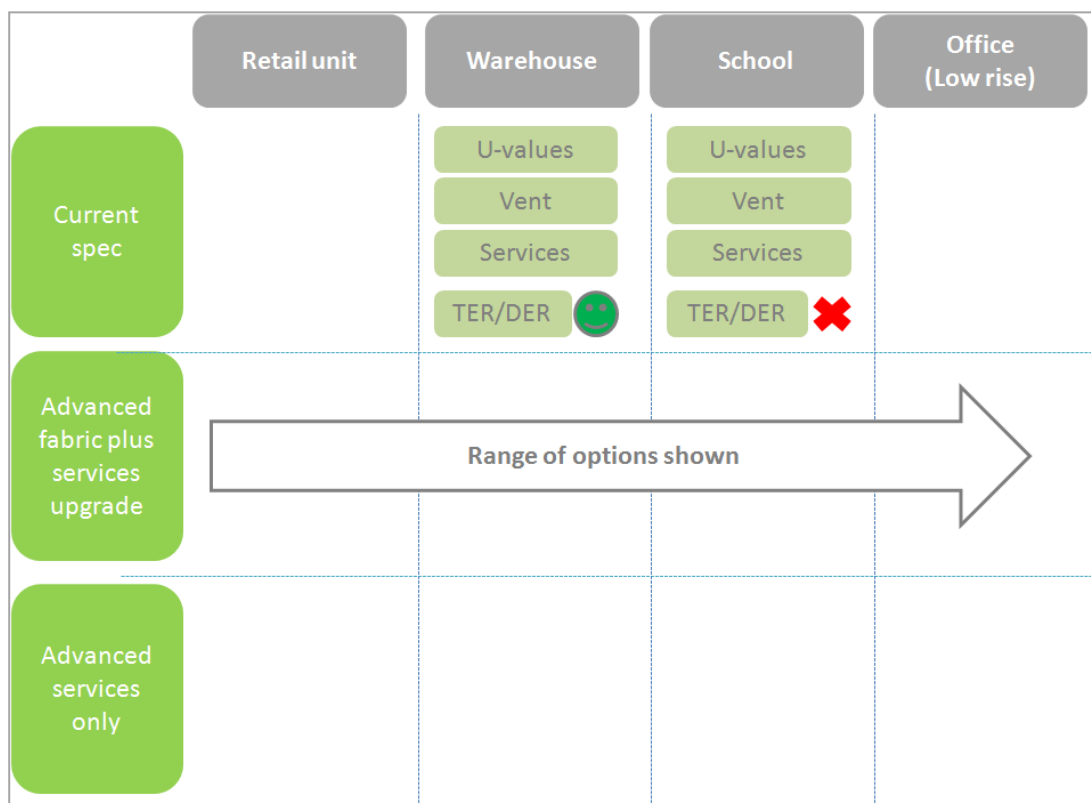


## Day 2 18<sup>th</sup> August – Non Domestic Buildings – In association with Scottish Property Federation

A similar basic structure will be used for this session with a repeat taking place during the afternoon.

- Part 1 – 9:30 – 10:30 - Introduction and context
  - Welcome, Introductions & Purpose of Day - CSILG
  - Facilitation – Zero Carbon Hub
  - Non-domestic Regulation Changes Overview – BSD
  - SBEM Changes - BRE Scotland
  - 15 Minute Break
- Part 2 – Workshop Session 1– 10:45 – 11:00
  - Summary of potential solutions based on four common property types
    - Exact to be agreed with the SFP
    - Examples include; Retail unit, Warehouse, School, Low rise office?
- Part 3 – Workshop Session 2– 11:00 - 12:15
  - Split into two groups and asked to discuss the following questions
    - Across the supply chain; planning, design, manufacture, construction
  - What are the concerns / comments, risks and opportunities these alternative strategies create?
  - What could the Minister do over the next 6 - 18 months to help industry successfully deliver this new generation of homes?
- Part 4 – Summary & Close– 12:15-12:45
  - Groups asked to feedback their thoughts to the wider group
  - Next steps

Due to the greater variety of possible building types the exact selection will be defined with the SPF. It is likely that presenting a wider range building types(e.g. 4) with a limited number of solution options (e.g. 2) will stimulate more considered feedback from the delegates. An example wall chart is presented below.





## **Deliverables**

- Design and facilitation of two day workshops in Glasgow
- Introductions to SAP software providers known to the ZCH (e.g. Elmhurst / NES)
- Organisation of pre-calculated SAP/SBEM assessments for use on the day
- Concise photographic report summarising the workshop findings and proposed short list of 'Government & Industry Actions'(A4 PDF format - circa 10 pages)

It is understood that this report will be reviewed and a finalised version prepared by the CSILG team for presentation to the Building Standards Division. This will also be disseminated to industry via the CS website.

## **Project Timings**

An outline plan is provided below for discussion with the CSILG outline plan is:

<b>Activity</b>	<b>Date (w/c)</b>
Kick-Off Meeting - planning with CSILG & software providers	29 June 2015
Finalised workshop structure agreed(Dom & Non-dom)	13 July 2015
Workshop templates / slides circulated for review	10 August 2015
Workshop facilitation	17/18 August 2015
Summary report issued	7 September 2015