

Section 6: Energy (Non-domestic) Training

2010 Building Standards – update

In October 2010 Standards for the Energy and Carbon performance of buildings change in line with the recommendations in the Sullivan Report. All non-domestic buildings will be required to have a reduction in carbon emissions of 30% in comparison with 2007 standards. This change in the Building Standards presents technical challenges to designers, developers and local authority verifiers, where not only higher levels of insulation but also the use of renewables energy devices will become common place.

As a result of the changes BRE has developed specific training to address the requirements of the new regulations, explain changes from the 2007 standards and look at design solutions to meet the new requirements.

This training is intended for:

- Existing members of BRE's Approved Certifier of Design Section 6 Scheme for Non-domestic Energy and is a mandatory training requirement for their continuing scheme membership.
- Designers, engineers, builders and technicians who are involved in building warrant applications in Scotland.
- Local authority verifiers in Scotland.

The training aims to raise awareness of the new energy standards in Scotland, which are as demanding as any in Europe. It will direct those involved in design and building warrant applications to sources of information and good practice.

The programme will cover for each standard:

- 2010 Revisions
- Implications of the revisions
- Example of impact on house design, good practice solutions.

Whilst the training focuses on energy issues it will also address the updates to Sections 1 to 5 of the Building Standards (Structure, Fire, Environment, Safety and Noise).

Programme

Introduction

Section 6: Energy (Non-domestic)

6.1: Carbon dioxide emissions

6.2 Building insulation envelope

6.3 Heating system

6.4 Insulation of pipes, ducts and vessels

6.5 Artificial and display lighting

6.6 Mechanical ventilation and air conditioning

6.7 Commissioning building services

6.8 Written information

6.9 Energy performance certificates

6.10 Metering

6.A Compensating U-values for windows, doors and rooflights

6.B Compensatory approach - heat loss example

Sections 1 to 5

A review of the changes to Sections 1 to 5

Implications of the changes for Energy Performance