

Applied Energy – Fact Sheet

PROPOSED CHANGES TO PART L and F 2010

Key Information for Building Owners and Operators

What is Part L and Part F?

The Government is using Part L to bring about the efficient use of energy within new and existing buildings and is split into 4 sections L1(A/B), L2(A/B). Section L1 covers new and existing **dwelling**s and L2 is applicable to all new and existing **non-domestic buildings**, such as offices, hotels and warehouses. Part L aims to limit the maximum energy usage from M+E plant and strives for better quality of construction to reduce building air leakage.

Part F is the ventilation equivalent to Part L which specifies the required energy efficiency of air handling plant, supply and extract ventilation in both local and centralised systems.

Why are the regulations being changed?

The Government set out in its 'Building a Greener Future' Policy Statement (July 2007), that new homes will be net zero carbon by 2016. To achieve this target, energy efficiency standards for new homes are to be improved by 25% in 2010 and 44% in 2013 relative to current 2006 standards. Likewise the government plan is for non-dwellings to be net zero carbon by 2019.

With the Government aiming for all new non-domestic buildings in the UK to be zero carbon by 2019, they intend to consult with industry on how this will be achieved. It is likely that following a 25% step change in 2010 similar changes will follow in 2013 and 2016, in line with the domestic scheme changes.

What are the key changes in 2010?

New Buildings

- Either a **flat** or **aggregated** 25% improvement is to be implemented although the details are still under discussion, it means that the Government is attempting to reduce the inequalities in the current calculation methods.
- Compliance to Part L must be shown by an approved National Calculation Method (NCM)
- Shell Builds will require full part L Building Emission Rate (BER) and Target Emission Rate (TER) calculations based on proposed 1st use/occupier of the building.
- Design stage submission of Part L calculation required at planning stage.
- Calculated U values may increase by up to 50% if a non 'approved construction' is used.
- Commissioning plans required at planning approval stage to Building Control.
- EPC recommendations reports will have to be submitted to the building occupier.

Existing Buildings

- Consequential improvements will be required if the habitable/conditioned area increases.
- Specific fan powers are 'improved' requiring lower velocities and requiring bigger fans and ducts.

Part F

- All ventilation systems are to be commissioned including intermittent extract fans and cooker hoods.
- Noise impact assessments will be required for all continuously running ventilation.

Calculation Methodology

- The NCM will change according to the new 2010 approved documents and is scheduled for release April 2010



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Building Services Consultancy

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