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EU Directive – Energy Performance of Buildings

- **Transposed 4 January 2006**
- **Derogation 4 January 2009**



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EU Directive – Energy Performance of Buildings

3-phase implementation:

1. Articles 3-6
2. Article 8
3. Articles 7, 9 and 10



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EU Directive – Energy Performance of Buildings

Articles 3-6

- Set energy performance requirements for new and refurbished buildings
- On refurbishment, upgrade the energy performance of a building with a useful floor area over 1000m²
- for new buildings with a useful floor area over 1000m², consider alternative energy systems
- Set a calculation methodology to measure the energy performance of a building.

2006 amendment to Part F of the Building Regulations.



EU Directive – Energy Performance of Buildings

Article 8

Option (a)

- Regular inspection of boilers >20kW
- Where over 15 years old, inspect boiler and heating system for efficiency
- Provide advice on replacement or modification

Option (b)

- Provide advice to boiler owners
- CT, EST & gas and oil fired boiler industries

UK opted for option (b)



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EU Directive - Energy Performance of Buildings

Article 7 – Energy Performance Certificate

- Required when a building is constructed, sold or rented out
- To be made available to the owner or to the prospective tenant or buyer
- Lifespan not greater than 10 years
- To be accompanied by recommendations for cost-effective improvements



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EU Directive - Energy Performance of Buildings

Article 7 – Energy Performance Certificate

In buildings over 1000m² where public services are provided to a large number of persons:

- The certificate will be prominently displayed
- Life span will be annual

Energy performance will be assessed

- New buildings – Article 3 methodologies
- Existing buildings – simplified methodologies



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EU Directive - Energy Performance of Buildings

Article 9 – Inspection of air-conditioning systems

- Regular inspection of systems >12kW
- Provision of advice on improvement or replacement of systems or alternatives



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EU Directive - Energy Performance of Buildings

Article 10 – Independent experts.

- Certification of buildings and accompanying recommendations
- Inspection of boilers
- Inspection of air-conditioning systems

Carried out in an independent manner by qualified and/or accredited experts