Perspectives for effective compliance checks

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Enforcement and effective compliance framework make the difference
Effective compliance framework

Compliance check - choose the right moment

Easy access to reliable input data

Quality of the works

Innovation
Monitor the compliance rate

2014: Only 52% (23 MS) has a view on compliance rates

To know the effect measuring is needed
Efficiency of a heat exchanger
Airtightness of a building
Possibility to have efficient maintenance

Procedures to obtain and prove compliant data
Procedures to obtain and prove quality of the works

There are clear procedures what should be done

Handling of non-compliance in practice

There is an effective control and sanctions if non-compliance

Proposal of a model of effective compliance framework

Residential ventilation performances: What is the situation in your country?

1. No attention in governmental frameworks (EPBD, legislation, etc.)
   - Sweden: 11.1%
   - France: 42.9%
   - Belgium: 42.9%
   - Other country: 0.0%

2. Included in procedures, no framework allowing control
   - Sweden: 11.1%
   - France: 42.9%
   - Belgium: 42.9%
   - Other country: 0.0%

3. Included in procedures, framework allowing control but not done
   - Sweden: 11.1%
   - France: 42.9%
   - Belgium: 42.9%
   - Other country: 0.0%

4. Included in procedures, effective control framework
   - Sweden: 11.1%
   - France: 42.9%
   - Belgium: 42.9%
   - Other country: 0.0%

5. No clear idea
   - Sweden: 11.1%
   - France: 11.1%
   - Belgium: 0.0%
   - Other country: 11.1%
Building airtightness:
What is the situation in your country?

1. No attention in governmental frameworks (EPBD, legislation, …) (20%)
2. Included in procedures, no framework allowing control (7%)
3. Included in procedures, framework allowing control but almost not done (27%)
4. Included in procedures, effective control framework (43%)
5. No clear idea (3%)
It needs courage and money!

Barriers to implement an effective compliance framework 2012

- Lack of political support: 9
- Enforcement/penalty system in regulation is not complete, as some infringements have no sanction: 9
- Lack of resources to implement the system: 8
- Lack of resources to make the existing system work: 8
- Cultural issues and tradition of building regulation: 5

Effective compliance framework

- Compliance check - choose the right moment
- Easy access to reliable input data
- Quality of the works
- Innovation
Checking the compliance at the as-build phase

Compliance check
Choose the right moment!

Standard practice
1. Check of compliance at building permit or before works start

A second check is necessary!
2. In as-build phase → evolution in MS

Before 2010 (24 MS)

2014 (23 MS)

When is compliance with the requirements new buildings checked?

- Some period after the first use of the building (check of the real consumption)
- A permit based on the as-build situation is required to use the building
- When the construction is finalised (situation as-built)

2014 (23 MS)

91%
Random controls are necessary/mandatory

Most countries realize targeted control

Controls based on a random selection are necessary too
→ To know the compliance rate

Effective compliance framework

Compliance check - choose the right moment

Easy access to reliable input data

Quality of the works

Innovation
Building characteristics

Products
- Insulation material
- Construction products
- Solar protection devices

Building related performance

French voluntary scheme for homogeneous announcement of ventilation product performance
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INPUT DATA

Set of EPB standards: unambiguous but flexible

- Each EPB standard contains:
  - Annex A (normative): template for choices and input data
  - Annex B (informative): informative default choices and input data

Specific input data are often necessary in the EP national regulation.

Towards integrated European database?

Reliable input data

Building related performance - certification of actors
Certification of actors
Certification of person vs certification of company

Should one oblige that residential ventilation systems have to be installed by certified installers, e.g. imposed by insurance companies, government, ...?

1. This is surely the way to go 24%
2. This would be a very good development 55%
3. No strong opinion 9%
4. I am not so in favour 12%
5. I am against 0%

Societal support
Cost aspects
Effective compliance framework

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Approaches to improve compliance and accessibility of energy performance certificate input data

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Thank you

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