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

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Status of compliance and quality on the ground

Easy access to **compliant** EPC input data

Towards better **quality** of the works

Towards better **compliance** and effective penalties

**Solutions**

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**Context**

- EPBD requires that Member States establish:
  - a certification of the energy performance of buildings, with an Energy Performance Certificate (EPC)
  - an independent control system for the EPCs (verification of a significant sample of all the EPCs issued, including **check of the input data** and of results stated)
**EPC input data**

- May describe:
  - Building: location, climate, surfaces, construction products and their implementation, building envelope airtightness,…
  - Systems: ventilation, heating, cooling, domestic hot water production, lighting…

- Essential that EPC input data are:
  - COMPLIANT
  - EASILY ACCESSIBLE

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**Compliant EPC input data**

In the context of QUALICheck:

A quantity used as an input data for:
- the calculation or the assessment of the energy performance of a building and/or
- the declaration of its energy performance in the Energy Performance Certificate (EPC) is compliant if this data has been established in line with the procedures in force in the context of the applicable legislation.
Evidence of compliance

The evidence that the EPC input data has been obtained according to the procedures may rely on:
• control by an independent third-party (for e.g. certification);
• declaration by the manufacturer;
• proven competence of the expert who is assessing the data;
• ...

Easily accessible EPC input data

In the context of QUALICHeCK:

A quantity used as an input data for:
• the calculation or the assessment of the energy performance of a building and/or
• the declaration of its energy performance in the Energy Performance Certificate (EPC)
is easily accessible if it is able to be found, seen and used by taking reasonable time, effort or money.
Some interesting approaches

Product characteristics databases

• Belgium, France, United Kingdom
• *easy access* to EPC input data (public website)
• data are *compliant* with an evidence of their compliance:
  – data controlled by a third-party (Belgium, France),
  – or the manufacturer must provide the data with validated evidence of the product performance (UK)

Some interesting approaches

Product characteristics databases

• Belgium: [www.epbd.be](http://www.epbd.be)
  – Ventilation, thermal insulation, sunscreens
  – Managed by BBRI

• UK: [www.ncm-pcdb.org.uk/sap/](http://www.ncm-pcdb.org.uk/sap/)
  – Ventilation, heating, waste water heat recovery
  – Managed by BRE

• France: [www.rt2012-chauffage.com](http://www.rt2012-chauffage.com)
  – Heating
  – Managed by ATITA/UNICLIMA
Some interesting approaches

Qualification of building airtightness testers

- Czech Republic, Denmark, France, Germany, Ireland, Sweden, the United Kingdom
- ensures compliant data, with evidence of compliance,
- schemes set minimum knowledge and know-how of testers + pre-requisites on the tools used
- voluntary, initiated by national associations of testers, ministries and/or certification bodies

Number of qualified testers in 6 countries, January 2014 (the Swedish scheme started in 2014)
Some interesting approaches

Homogeneous announcement of ventilation product performance

- France
- voluntary rules for publishing characteristics
- makes easier access to the data
- will be presented tomorrow in another session

To know more...

- Several presentations in this Workshop
- QUALICHeCK report:
  “How to get compliant and accessible data for the energy rating calculation of a building”

- 8 examples of existing approaches ensuring that data used for the energy rating calculation of a building are compliant (with an evidence for it) and/or easily accessible
- available at http://qualicheck-platform.eu
THANK YOU