Overview of international protocols for the inspection of ventilation systems

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INSPECTION OF VENTILATION SYSTEMS IN NEW REGULATIONS IN EUROPEAN COUNTRIES

Number of protocols per country

Data
- **EPBD study** (Art. 19a) gathering and detailing 20 protocols from 9 countries

European project (2018 – 2019): feasibility study to identify the need, possibilities and timeline for a possible introduction of inspection of stand-alone ventilation systems in buildings
- Review of existing regulations, guidelines and standards
- How to build an inspection scheme?
- What could be other measures than inspection?
- Impact analysis on 6 policy options
Number of protocols per country

Data
- **EPBD study** (Art. 19a) gathering and detailing *20 protocols* from *9 countries*
- Additional reference: New guide to comply with Irish regulation (Part F)

Types of buildings controlled

1. 29% of protocols are mandatory, this line corresponds therefore to « 100% of mandatory protocols »
Who is allowed to perform the inspection?

Types of control
Technical Questions – survey on 5 protocols

Who is in general doing the measurement?

- Installer
- Independent inspector
- Other

: Independent inspector is also very common.
: No clear tendency (for the Effinergie Label: it has to be an independent inspector)

How are non-conformities handled?

- Every non-conformity corrected
- Other

: Table of non-conformities with sanction is available. Some should be corrected, some not.
: All of the non-conformities should be mentioned
: The protocol does not cover the consequences of not meeting target flows.

What if an air inlet is missing?

- Dwelling/local not conform
- Other

:
Technical Questions – survey on 5 protocols

For a **dwelling** to be conform:

- Every ATD shall be conform
- The total flowrate shall be conform

For a **non-residential** building to be conform:

- Every room shall be conform
- Not applicable

Are there measuring tolerances?

- Yes
- No
- Not applicable

: ± 10%
: 15% for the flowrate, 10% or 5 Pa for the pressure.
: Measuring accuracy according to SS-EN 16211

Thank you

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