



Experience on the Danish new ventilation regulation and standard

21. September 2022

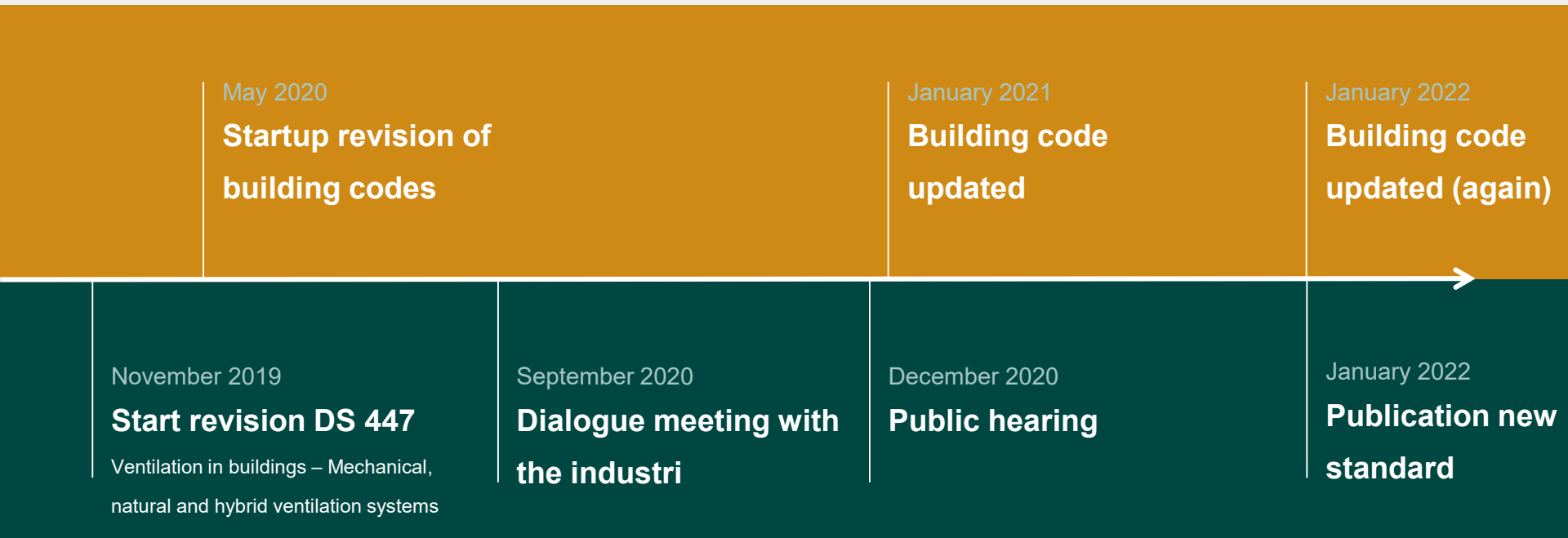
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Why change anything?

- A building code in changing times
- How we use our houses are changing
- An evolving market

Timeline



Major changes

1 January 2021

With regards to schools and homes

- Previously required a mechanical AHU
- Now also natural and hybrid ventilation is allowed
- BUT: the system must be equivalent in terms of control, IEQ and primary energy consumption

Major changes

1 January 2022

- Humidification
- Reduced airflow when homes are not in use, and more ventilation is not necessary

Why DS447?

- *Central system standard for ensuring quality of ventilationssystems in Denmark
- * Key to understanding european system, IEQ and product standards
- * Amongst other things DS 447 has been revised in accordance with legislation and standards including new experiences and technological development.



<https://www.ds.dk/da/nyhedsarkiv/2022/1/vid-eo-temamoede-om-ny-udgave-af-ds-447>

What happened to DS447?

Examples

Structure

Updated to match european standards

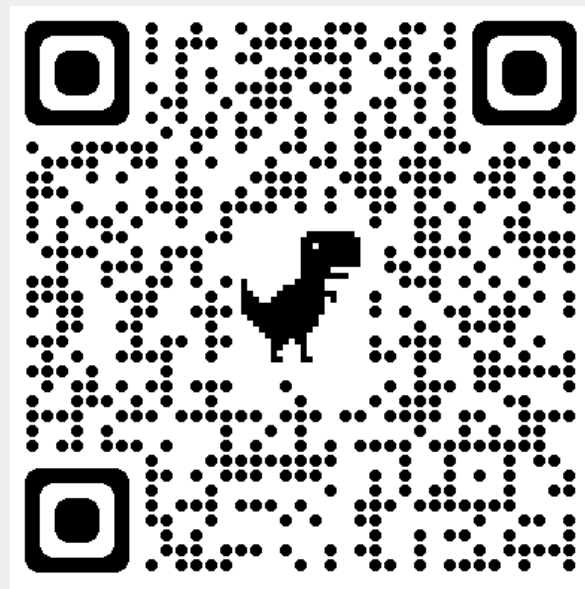
Tolerances

Measurement uncertainties

Filters

New chapter covering testing, maintenance and operation etc.

Informative annexes



<https://www.ds.dk/da/nyhedsarkiv/2022/1/vid-eo-temamoede-om-ny-udgave-af-ds-447>

What didn't make it in to the regulations?

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What will come?

The plan is to let the ventilation regulation work for a while.

However, in the acoustic section there is currently a debate on allowable noise levels in homes.



Tak for ordet