



DANISH
TECHNOLOGICAL
INSTITUTE



Upgrade to EN 16510

Danish Technological Institute offers a structured process for upgrading to the new EN 16510 standard.

A structured process for upgrading to the new EN 16510 standard

Danish Technological Institute offers a structured process for upgrading existing EN 13240/EN 13229 test reports to the new EN 16510 standard.

Deadline for upgrading is 25th September 2027

With this structured process, we enable manufacturers to transition efficiently to the new requirements and thereby obtain an EN16510 Assessment of Performance (AoP) report for smooth sales in Europe and in the UK after deadline.

How the EN 16510 conversion process works

Danish Technological Institute assesses each appliance on a case-by-case basis. Existing test results may be used if they are valid, complete and relevant for the appliance being upgraded.

The process normally follows these steps

When a Historical Data Review (HDR) has been issued and approved by KIWA, these steps follows:

1. Data preparation

The data is collected, homogenised, and assessed. The data is then prepared for the Data Validation Report (DVR) stage.

2. Data validation by Danish Technological Institute

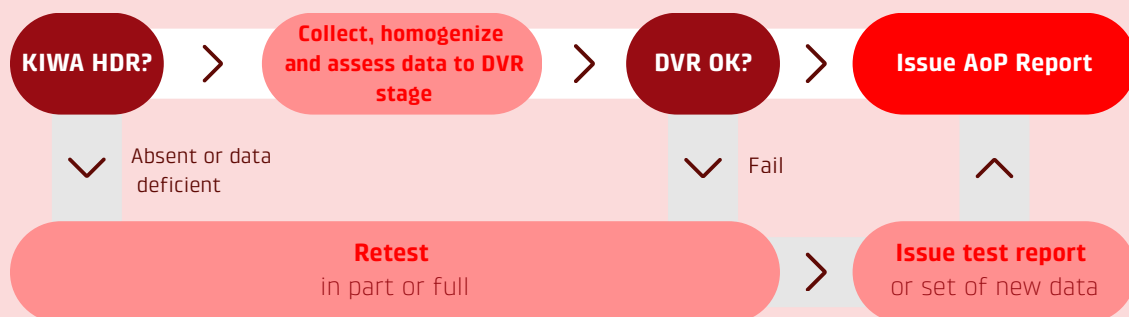
We review the historical test data to confirm whether it can be used for the purposes of EN 16510. This includes checking appliance conformity, emissions, efficiency, heat output, safety test conditions, and fuel load data. An overview is compiled in the DVR.

3. Decision on use of historical data

If the data is sufficient and the appliance has not been significantly modified, we can proceed using the existing assessment data. If essential information is missing, or if the data does not meet the requirements, retesting may be required. This is stated in the DVR conclusion.

4. Issuing of EN 16510 AoP report

Once the data has been validated, we prepare the EN 16510 Assessment of Performance (AoP) report, including relevant annexes and updated performance information.



If the KIWA HDR is unavailable, incomplete, or not approved:

Where the KIWA HDR documentation is missing, incomplete, or the data is insufficient, retesting is initiated. Retesting may be carried out in part or in full and may result in a new test report or a new set of data, which can be used to support the final AoP report.

When booking an upgrade to EN16510 standard

Danish Technological Institute offers a structured process for upgrading existing EN 13240/EN 13229 test reports to the new EN 16510 standard.

Information needed from the manufacturer

To start the process, Danish Technological Institute (DTI) requires the following:

Model Conformity Declaration

Template is provided. Requirement covers:

- The manufacturer must confirm that the appliance submitted for EN 16510 upgrade is technically and combustion-wise identical to the originally tested appliance.

Stove Feature List

Template is provided covering information required, such as:

- Stove model name
- Maximum mechanical load¹⁾
- Use with open doors and on shared flue²⁾
- Sustainability declarations, EPD or ESI
- Room-sealed properties³⁾
- Other relevant appliance characteristics (multi fueled, catalyst, boiler, manual combustion controls, ACC, and ducted combustion air supply)

Existing EN 13240/EN 13229 test report

Including all applicable additional reports, such as safety test, etc..

Technical documentation

- Construction drawings
- Description of variants, if more than one model is included



1) Mechanical load

EN 16510 adds mechanical load-bearing capacity as a new essential characteristic. For free-standing stoves, manufacturers must declare the maximum load from a top-mounted steel chimney. Loads up to 20 kg require no evidence; 20.1–120 kg require proof that the load-bearing structure is at least 3 mm mild steel or cast iron; loads above 120 kg must be documented by testing. For sheet steel stoves, DTI needs drawings or a BOM showing material thickness, while cast iron stoves require no thickness evidence.

2) Shared flue

If a stove is used with a shared flue, its door must be self-closing or have an opening of less than 0.05 m².

3) Room-sealed properties

Classification of appliance types by room-sealing, air supply, leakage declaration, door closure and tightness. Types B, BE and BF have limited requirements, while CA, CM and CC are room-sealed and must meet stricter leakage and door-closing requirements.

The Wood Stove Team

The Assessment of Performance (AoP) Team

In this AoP process you are about to be a part of, you will meet Jes, Helena, and Bodil. We share the workload between us and guide our customers smoothly through the process. The last couple of years we have issued more than 200 AoP reports, and together, we have more than 25 years of experience with solid-fuel stoves, pellet stoves, and inset appliances. We are always ready to answer any questions, should any arise along the way. Just reach out to either of us by phone or email.



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The Retesting team

Should your appliance need a full or partial retest, you will likely meet René, Andreas, and Torben. With more than 40 years of combined experience in testing solid fuel appliances, we have countless successful type tests under our belt and are here to help you.



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Danish Technological Institute

Danish Technological Institute (DTI) is a leading independent, non-profit Research and Technology Organization that bridges the gap between research and market-ready solutions.

Backed by 1,100 specialists across five divisions, Danish Technological Institute helps enterprises accelerate sustainable transitions and decrease commercial risks. As one of Europe's leading testing laboratories for biomass heating appliances (Notified Body #1235), our team below helps manufacturers secure global market access. We conduct comprehensive type-testing on wood stoves, pellet stoves, and inset appliances to ensure compliance with EN16510 series and safety regulations, DEFRA Clean Air Act, US EPA R&D tests, Flamme Verte and Blue Angel approved laboratory. Learn more at www.dti.dk.

Newsletters

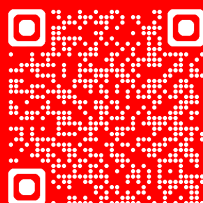
Wood stoves



Biomass boilers



Visit us



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