

Authors : L. Mouradian, A. Guedel

Working Document

Limit of scope for UVU between R1253 and R327

1. Purpose of the contribution :

To clarify whether UVU has to comply with R327 or with R1253.

The systematic approach of first and second layer has to take into account the exception of fans without housing.

Contribution based on slides presented at 1st Stakeholder meeting (15th june), 2- UVU

This contribution is made by CETIAT experts on both fans and ventilation units, members of ISO TC117, CEN TC156/WG17, CEN TC156/WG2, CEN TC156/WG5, who have merge their knowledge...

2. Proposal for new definition of Systematic approach for ventilation products (slide8)

--> to be modified in order to be consistent with the draft of the harmonized standard for R327/2011 (TC156/WG17): in some cases, fans do not have a housing layer and are directly integrated in an outer casing.

1st paragraph --> 4th indent : add at the end "except for fans without housing (see example 3)"

2nd paragraph --> to be modified or deleted, because it is not consistent with works of experts on R327/2011. Ventilation units do not have always housing + casing.

3. Discussion on slide 14 (plug fans) and slide 15 (roof fans)

3.1.Example of Plug fan

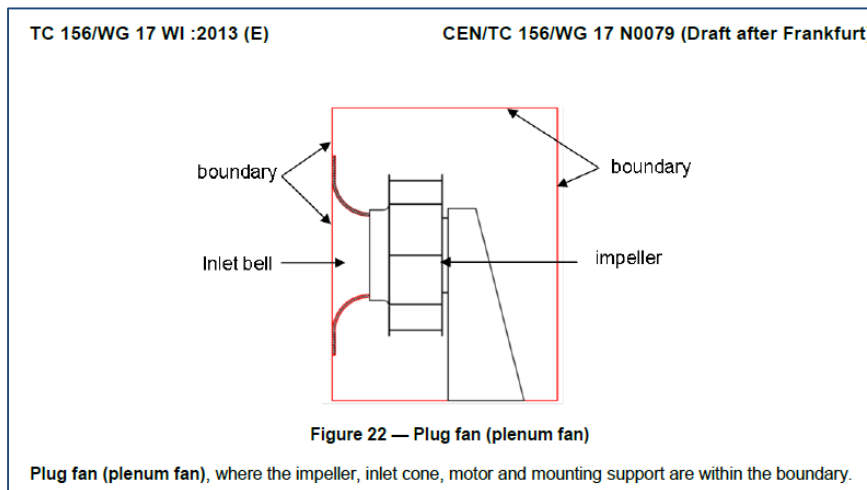
Slide n°14, example 4, presents a plug fan inside a box.

This plug fan is the same as the one shown in example 3: fan without housing, which shall comply with R327.

Therefore if we had a physical layer out of this "fan without housing", (becoming example 4), this is then a "fan without housing, with a casing" and shall comply with R1253.

See below our proposal.

In the draft of the harmonized standard for R327, "**N0079_Draft after Frankfurt**", experts of CEN T156/WG 17 have worked on the boundaries of the fan configurations for the tests. Note that in this document the red lines are "Virtual" lines which do not always correspond to a physical layer. In this document Figure 22 (see below) presents the same configuration as in examples 3 and 4 of DTI presentation (2-UVU), i.e, a plug fan. The red line of the boundary in Figure 22 does not lay on a casing. This clearly shows that example 3 is under R327 and example 4 is not under R327.

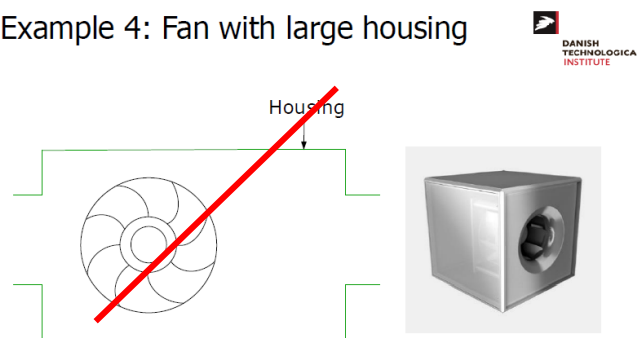
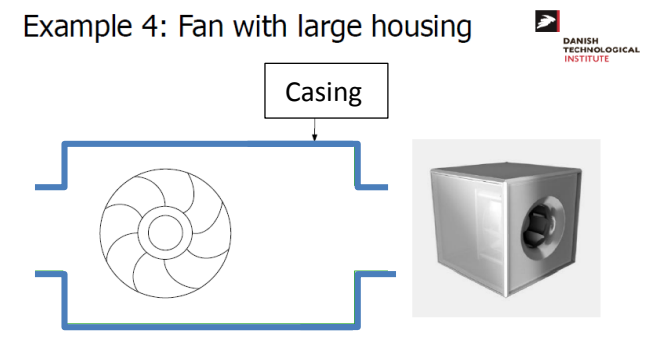
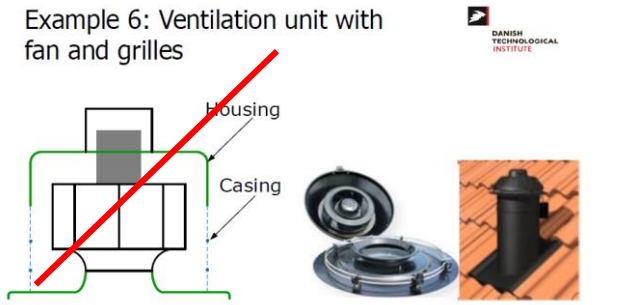
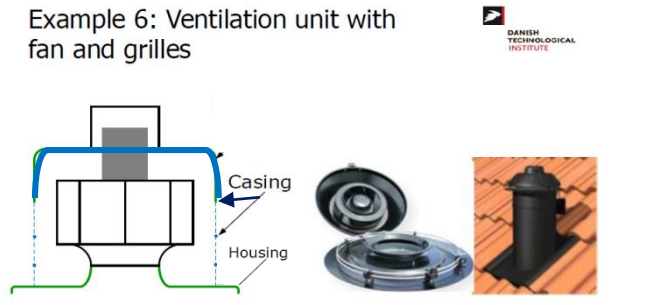
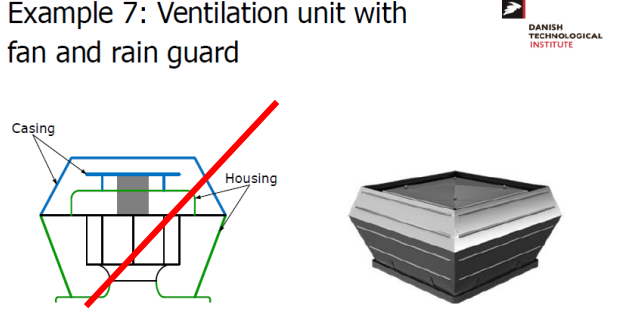
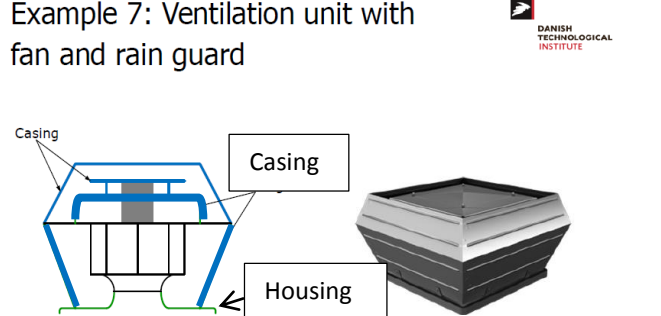


3.2. Example of roof fans

Examples 6 and 7 are under R1253 but the drawing should be in accordance with slide n°10, which is not the case: the cover is not a housing, it is a casing.

See below our proposals

3.3. Proposals

<i>Original</i>	<i>To be replaced by</i>
<p>Example 4: Fan with large housing</p>  <p>DANISH TECHNOLOGICAL INSTITUTE</p>	<p>Example 4: Fan with large housing</p>  <p>DANISH TECHNOLOGICAL INSTITUTE</p>
<p>Example 6: Ventilation unit with fan and grilles</p>  <p>DANISH TECHNOLOGICAL INSTITUTE</p>	<p>Example 6: Ventilation unit with fan and grilles</p>  <p>DANISH TECHNOLOGICAL INSTITUTE</p>
<p>Example 7: Ventilation unit with fan and rain guard</p>  <p>DANISH TECHNOLOGICAL INSTITUTE</p>	<p>Example 7: Ventilation unit with fan and rain guard</p>  <p>DANISH TECHNOLOGICAL INSTITUTE</p>