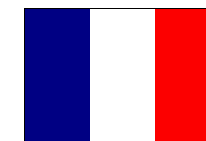


ASIEPI

WP6: Assessment of innovative systems in France

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The system, technology and building concept who provide a better performance is considered as an innovative system.

If the system is taken into account in the French regulation, **Avis Technique Procedure** can be used : ventilation systems, materials,...

Else, **Titre V** procedure must be used.

Procedure

- A technical report must be written following a directive document and sent to CSTB. It is evaluated by a group of experts (GS).
- The study must include a description of the product and test results to prove the characteristics.
- A second experimental and numerical evaluation is done by CSTB.
- Once, the avis technique is accepted, It is published including the inputs needed to perform a regulation calculation.



Procedure

- A technical study must be sent to the Ministry for Ecology Sustainable Development and Spatial Planning who selects experts to participate to the evaluation.
- The study must be written following the annex V (Arrêté du 24-05-2006) and accompanied by an illustration.
- The study must proof the respect of requirements.

Possibilities

- A study for one project (not published in Ministry web site)
- All buildings (published in Ministry web site www.rt-batiment.fr) (one published about ventilation system)



Theoretical example of Titre V : Stove for low energy buildings

- ❖ Technical study for All buildings
- ❖ Describe why it is not possible to apply the usual method
- ❖ Describe a system
- ❖ Describe a method with input data: applying the same calculation as a wood boiler of class 2
- ❖ Provide default values for emission
- ❖ Conditions to apply this equivalence study :
 - o Surface < 110 m²
 - o $U_{bat} \leq U_{batbase} - 25\%$ (= effinergie ~ low energy)



Advantages and disadvantages

- **All innovative systems have a possibility to be taken into account**
 - **Open procedure and simple to do**
 - **Updating of the regulation**
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- **Time to evaluate each study**
 - **No template or example is provided**

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