

Report on the results of the enquiry of the set of 15 CEN EPBD standards prepared by CEN TC 228

– Heating systems and water based cooling systems in buildings



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For all prEN's the enquiry finished according the overall planning of CENTC 228 before the end of March. There was a huge interest on the standards, most of countries had positive comments. The majority of countries would accept all the drafts as EN standards, only for two of them more fundamental improvements are needed. These are the drafts on Emission efficiency (prEN 15316-2) and Heat Pump Generation efficiency (prEN 15216-4-2).

The time schedule and the procedure for answering the comments and revising the standards is the following:

The draft standards are expected to be ready for FV and the connected draft TR's for TCA by September 2015. The different task leaders are already planning task group meetings to discuss and resolve all comments before the CENTC 228 WG4 meeting June 2015.

The list of TC 228 standards on heating systems and water based cooling systems in buildings:

- prEN 12831-1: 2014 – Method for calculation of the design heat load - Part 1: Space heating load.
- prEN 12831-3:2014 – Method for calculation of the design heat load - Part 3: Domestic hot water systems heat load and characterisation of needs.
- prEN 15316-1:2014 – Method for calculation of system energy requirements and system efficiencies - Part 1: General and Energy performance expression.
- prEN 15316-2:2014 – Method for calculation of system energy requirements and system efficiencies - Part 2: Space emission systems (heating and cooling).
- prEN 15316-3:2014 – Method for calculation of

- system energy requirements and system efficiencies - Part 3: Space distribution systems (DHW, heating and cooling).
- prEN 15316-4-1:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-1: Space heating and DHW generation systems, combustion systems (boilers, biomass).
- prEN 15316-4-2:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-2: Space heating generation systems, heat pump systems.
- prEN 15316-4-3:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-3: Heat generation systems, thermal solar and photovoltaic systems.
- prEN 15316-4-4:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-4: Heat generation systems, building-integrated cogeneration systems.
- prEN 15316-4-5:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-5: District heating and cooling.
- prEN 15316-4-8:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-8: Space heating generation systems, air heating and overhead radiant heating systems, including stoves (local).
- prEN 15316-4-10:2014 – Method for calculation of system energy requirements and system efficiencies - Part 4-10: Wind power generation systems.
- prEN 15316-5:2014 – Method for calculation of system energy requirements and system efficiencies - Part 5: Space heating and DHW storage systems (not cooling).
- prEN 15459-1:2014 – Energy performance of buildings - Part 1: Economic evaluation procedure for energy systems in buildings.
- prEN 15378-1:2014 – Heating systems and DHW in buildings - Part 1: Inspection of boilers, heating systems and DHW.
- prEN 15378-3:2014 – Heating systems and DHW in buildings - Part 3: Measured energy performance. ■

