vA Consult

TC371 & TC228 (on EPBD)

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TC 371 & TC 228

- Working on CEN Mandate 480 (EPBD recast)
  - Comprehensive set of coherent standards to determine the energy efficiency of a building
    - With a time step of 1 month and 1 hour
  - TC 371 => standard with overarching requirements
  - TC 228 => building installations standards
    - Solar thermal is included (CEN-EN15316-4-3)
  - Very fast development: March 2014 for enquiry
    - All standards, including solar thermal
- We have 'influence' in place:
  - liaison officer and a task leader for solar (me)

TC 371 & TC 228

- We do not have a 'hourly method' that meets the requirements
  - Excel type application
- First proposal 'stand alone executable' not accepted
  - That would give a precedent and they do not want that
- Remaining options:
  - No hourly solar method in the revised set of EPBD standards
  - Adopt a new hourly method
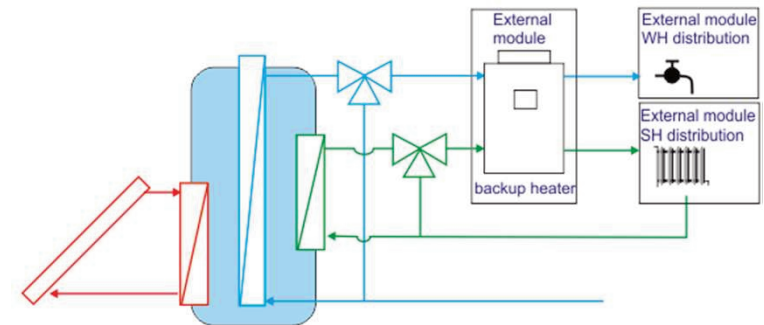   - First proposal is like:

TC 371 & TC 228

- Two simplified layouts, covering all
- Link collector loop to existing storage model (prEN)
  - To be developed
- All other operational parameters are covered by other standards

Opinions?

Solar system type: **SOL_SYS_SER**	SOL_USE_W: skip green part
Solar thermal module	SOL_USE_S: skip blue part

External module
External module WH distribution
External module SH distribution
backup heater

Solar system type: **SOL_SYS_PAR**	SOL_USE_W: skip green part
Solar thermal module	SOL_USE_S: skip blue part

External module backup heater
External module WH distribution
External module SH distribution