
Report

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Contact: Gerard van Amerongen
Distribution: TC 312 & CEN
Subject:
Reports of Liaison officer for TC 164, 228, 371

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Report

Technical committee: **CEN/TC 228 & TC 371 & TC 312**

Subject: Mandates 480 & 495

Author: Gerard van Amerongen

Date: January 2013

Introduction

Current two CEN mandates relate to the work of TC312. A *mandate* is an explicit instruction from the EC to CEN to perform certain tasks related to the CEN standards.

- **EU Mandate (M480)** to CEN, CENELEC and ETSI for the elaboration and adoption of standards for a methodology calculating the integrated energy performance of buildings and promoting the energy efficiency of buildings, in accordance with the terms set in the recast of the directive on the energy performance of buildings (2010/31/eu).
“The second generation CEN-EPBD standards to support the implementation of the EPBD Recast”, according to TC 371

- **EU Mandate (M495)** standardisation mandate to CEN, CENELEC and ETSI under Directive 2009/125/EC relating to harmonised standards in the field of Ecodesign.
In contrast to M480 this mandate explicitly requires harmonization. *Harmonization* means that the standard is announced at national level and every conflicting national standard is withdrawn.

Both mandates also relate to the standards of TC 312 and the EN 15316-4-3 of TC 228, while TC 371 has been given the task to coordinate things for M480.

Activities in 2012

Two workshops on the subject have been attended by your liaison officer in which the procedures have been introduced by CEN. Information will be given by our CEN technical officer during the TC 312 meeting 22/1/2013, Brussels.

Expected impact for TC 312:

Both mandates will impose actions for TC 312 at short notice.

- **M480 (EPBD)**
Mainly alignment with the requirements for product standards formulated by TC 371 (12975, 12976 and 12977). The implications will be known in more detail at the beginning of 2013 when TC 371 finishes the work on phase 1.

- **M495 (Ecodesign)**
Alignment with the requirements from the Eco design and energy labelling regulations and harmonization of (parts of) the standards (12975, 12976 and 12977). The work needs to be finished within 18 months after the adoption of the regulation (including the

checks by EC and the formal ratification). The adoption is expected in the coming months.

Input have been given to CEN on the standards involved in both mandates.

Further work for the Liaison:

The activities for the mandates will be shifted to the involved TC's.

Your liaison officer has extensive knowledge on Eco design and energy labelling and can supply content for the M495 to the TC 312.

Discussion item for TC 312

Prepare for the work awaiting.

Liaison report

Technical committee: **CEN/TC 371**

Title: Energy performance of building project group

Author: Gerard van Amerongen

Date: January 2013

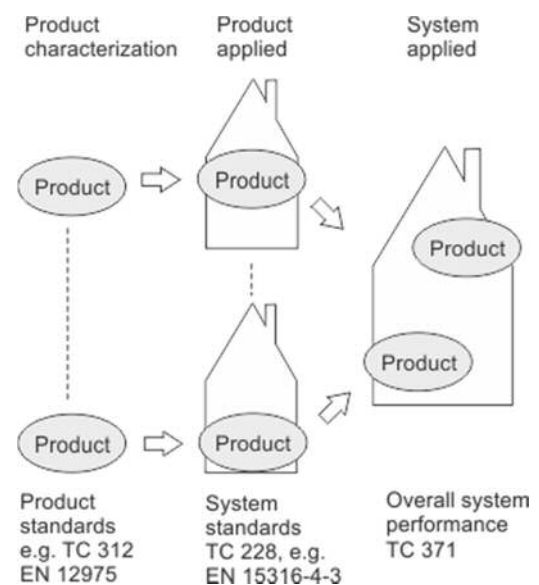
Current main issues:

Horizontal coordination of CEN EPBD activities in the framework of the Mandate 480 (EPBD recast).

The TC 371 is mainly active for the horizontal coordination of the activities in the framework of the CEN-mandate 480, related to the (recast) EPBD.

The coordination involves the tuning of *system standards* and *product standards* in order to come to an overarching standard to determine the building energy performance.

- *Product standards*, define the product characteristics to specify its performance. The EN 12975, 12976 and 12977 (TC 312) are examples.
- *System standards*, define the performance of a product in an application. The EN 15316-4-3 (TC 228) is an example.



Work program:

The current work program consists of two phases:

– Phase 1: ending at the end of 2012

Principles & rules, modularly structured standard, technical rules for standards.

Deliverables:

- Overview of standards to be updated under the EPBD M480
- Database of EPBD standards and related standards and guidelines. (Amongst which: 12975, 12976 and 12977)
- Draft CEN EPBD overarching standard (modular structured)
Released 21/12/2012: "N260 EPBD Overarching standard for dispatch of ENQ draft to CMC".
(Comprehensive document. Solar thermal is included)
- CEN EPBD TS (technical specification) on basic principles
Under development 4/8/2012: "N253 draft CEN TS BP Basic principles to the set of EPBD standards"
- CEN EPBD TS on detailed technical rules including templates.
Under development 24/8/2012: "N252 draft CEN-TS-DTR Detailed Technical Rules"
- Software tool to accommodate the overarching standard
No document.

Deliverables will be available by now.

- **Phase 2: 2013 & 2014**
 - Revisions (if needed) of existing standards.

Expected impact for TC 312:

- No major revisions of our standards seemare expected. Our standards in broad outline meet the requirements for the mandate 480 and the working out by TC 371. That is, the result can be used to make 'dynamic' and applied calculations.
- Possibly some editorial revisions are needed for conformity reasons.

Further work for the Liaison:

Study the deliverables of TC 371, report back in more detail to TC312 and comment on the drafts.

Liaison report

Technical committee: **CEN/TC 228**
Title: Heating systems in buildings
Author: Gerard van Amerongen
Date: January 2013

Current main issues:

The work for TC 228 is awaiting the results of TC 371 phase 1, in order to follow the instructions on revisions of their standards in the framework of the (recast) EPBD. This work will start in 2013 and will take ~2 years.

Expected impact for TC 312:

WG 1 “General performance requirements of heating systems and sub-systems in buildings”

The standards of this work group do not contain any solar thermal issues, but it does for heat pumps.

WG 4 “Calculation methods and system performance and evaluation”

The solar thermal standard in this workgroup is EN 15316-4-3. The standard is up for revision. Your Liaison has offered to contribute to this revision (budget from SCF) and it is subsequently noted for revision.

The CEN mandate 495 (Ecodesign & energy labelling), currently opportune, also includes a task for harmonization (the mandate 480 does not!). We could consider for the EN 15316-4-3 to apply for harmonization (parts are used in Lot 2 Ecodesign energy labelling). This would mean that this standard becomes mandatory for all CEN countries. Such a decision will be made primarily by the TC 228 and needs to be confirmed by the EC.

Further actions will follow at the beginning of 2013 when TC 371 reports on actions to be undertaken.

Further work for the Liaison:

- Participation in WG 4 aimed at the revision of EN 15316-4-3.
- Evaluate the omission of a solar thermal in the standards of workgroup 1

Discussion item for TC 312

Apply for harmonization of EN 15316-4-3?

Liaison report

Technical committee: **CEN/TC 164**
 Title: Water supply
 Author: Gerard van Amerongen
 Date: January 2013

Expected impact for TC312

The main issue in the relation between TC 312 and TC 164 is the quality of the potable water in a solar hot water system and specifically the issue of Legionella hazard. The workgroup 2 "Internal systems and components" is the most relevant workgroup with TC 164.

Activities

Last WG 2 meeting April 2012, Zurich.

- FprCEN/TR 16355 "*Recommendations for prevention of legionella growth in installations inside buildings conveying water for human consumption*"
 The TR has been approved after a formal vote (8x pro, 6x against, 4x abstained). This was seen as a very disappointing result. The manner TC 312 secretariat intervened in the voting process was not appreciated.
 The TC164/WG4 has been notified by your liaison of the big disappointed in the receptivity for the TC 312 arguments and comments on the TR.
 It was decided that the TC312 Code of Practice (draft) will be send to the TC164/WG4 after the TC312 has discussed the report.
- Revision of CEN EN 806-1 and 806-2
 The workgroup is preparing for a revision of two standards:
 - EN 806-1 Specifications for installations inside buildings conveying water for human consumption - Part 1: General
 This is not very relevant for TC312.
 - EN 806-2 Specifications for installations inside buildings conveying water for human consumption - Part 2: Design
 This is relevant for TC312. Amongst other things this standard describes the minimum hot water temperature and could well include a new item: Legionella prevention.

A task force is preparing a proposal for this revision (the TC312 liaison was not allowed to join). Reporting in next meeting.
 The revision will be concluded within 5 years.

Next meeting: March 2013.

Further work for the Liaison:

- Present the Code of Practice (Legionella & solar thermal)
- Follow the work on the revision of 806-1/2

Discussion item for TC 312

Issue of Legionella and TC 164 and the Code of Practice.
