

REPORT

Date: Rotterdam 12 September 2013
Contact: Gerard van Amerongen
Distribution: TC 312, SCF
Subject:
First draft proposal for a workplan related to the CEN mandates 480 (EPBD) and 495 (Ecodesign)

Introduction

The CEN Mandates 480 (EPBD) and 495 (Ecodesign) imply revisions to the solar thermal standards. This involves all workgroups of TC 312 and a workgroup of TC 228.

The time schedule for finalizing this work is very short (Ecodesign) to extremely short (EPBD).

For mandate 480 the TC 228 WG4 has already organized the work for many of their standards. The additional work from mandate 495 can easily be fitted in.

TC 312 needs to start to organize the work now on short notice. The actual work should be done by the workgroups and be coordinated by the TC312 secretariat.

In preparation of these tasks, the following workplan has been drafted. This preparational work has become possible through financial support of the Solar Certification Fund (=SCF). However, the follow up of the work should be arranged in the usual way for standardization work.

For informational purposes the workplan also describes the work for TC 228.

Responsible: TC 312 Workgroup 1

Author: G. van Amerongen

Aimed at standard: CEN-EN 12975-2

Date / version: 12/9/2013, V1.0

Work to be carried out in the framework of CEN mandate 495 according to the draft Annex B [9] and [10]. The timeframe for finalizing the work is very short (less than 20 months).

Doc. Ref.:	Action:	Remarks:
[9], [10]	Comply to all relevant aspects. This means at least:	
[8] 4.7 (a)	Verify if the standard is in conformity	If not, negotiate with the commission how to handle the issue
[9], [10]	Verification procedures for market surveillance procedures:	Handle all items
	– Ensure point A	This is the foundation of the standards and should be oke as it is.
[1], annex VIII [2], annex IX	– Provide point B: Check for all relevant measurements	If not, negotiate with the commission how to handle the issue
	– Verify point C: Check and add if needed	
	– Handle point D	Not clear what do to with this
[9], [10], template	Add the format for the test report	
[6], 4.7 (a)	Harmonize the relevant parts of the standard according to annex ZA	Format available [11]

Responsible: TC 312 Workgroup 2

Author: G. van Amerongen

Aimed at standard: CEN-EN 12976-2

Date / version: 12/9/2013, V1.0

Work to be carried out in the framework of CEN mandate 495 according to the draft Annex B [9] and [10]. The timeframe for finalizing the work is very short (less than 20 months).

Doc. Ref.:	Action:	Remarks:
[9], [10]	Comply to all relevant aspects. This means at least:	
[6], 4.7 (c)	Discuss with commission representative to exchange the reference to ISO 9459 by EN 12976.	! ISSUE !: ESTIF has commented on this, but up to now without reaction [7] and [8]
[8] 4.7 (c)	Verify if the standard is in conformity	If not, negotiate with the commission how to handle the issue
[2], annex I (28) [2], annex VII, table 3	Add to the DST method the reference conditions for the annual output for the Ecodesign 'climates' and 'heat demands' (load profiles).	
[7] and [8]	Add a paragraph to the standard that correctly handles solar hot water systems with an electrical integrated heater. This addition should formalize the proposal of ESTIF in [8].	! ISSUE !: Currently not correct in regulation. ESTIF proposed revision of transitional document to solve the issue. No reaction up to now.
[6], 4.9	Verify if the current method to determine the parasitic electricity consumption is in accordance	If not, discuss with commission to adopt this method.
[9], [10]	Verification procedures for market surveillance procedures:	Handle all items
	– Ensure point A	This is the foundation of the standards and should be oke as it is.
[1], annex VIII [2], annex IX	– Provide point B: Check for all relevant measurements	If not, negotiate with the commission how to handle the issue
	– Verify point C: Check and add if needed	
	– Handle point D	Not clear what do to with this
[9], [10], template	Add the format for the test report	
[6], 4.7 (c)	Harmonize the relevant parts of the standard according to annex ZA	Format available [11]

Responsible: TC 312 Workgroup 3

Author: G. van Amerongen

Aimed at standard: CEN-EN 12977-3

Date / version: 12/9/2013, V1.0

Work to be carried out in the framework of CEN mandate 495 according to the draft Annex B [9] and [10]. The timeframe for finalizing the work is very short (less than 20 months).

Doc. Ref.:	Action:	Remarks:
[9], [10]	Comply to all relevant aspects. This means at least:	
[8], 4.8	Verify if the standard is in conformity	If not we have to negotiate with the commission how to handle this.
[9], [10]	Verification procedures for market surveillance procedures:	Handle all items
	– Ensure point A	This is the foundation of the standards and should be oke as it is.
[1], annex VIII [2], annex IX	– Provide point B: Check for all relevant measurements	If not, negotiate with the commission how to handle the issue
	– Verify point C: Check and add if needed	
	– Handle point D	Not clear what do to with this
[9], [10], template	Add the format for the test report	
[6], 4.8	Harmonize the relevant parts of the standard according to annex ZA	Format available [11]

Responsible: TC 312 Workgroup 3

Author: G. van Amerongen

Aimed at standard: CEN-EN 12977-4

Date / version: 12/9/2013, V1.0

Work to be carried out in the framework of CEN mandate 495 according to the draft Annex B [9] and [10]. The timeframe for finalizing the work is very short (less than 20 months).

This standard is currently not referenced in [8] and [10]. However, it should be referenced for complex storage tanks.

Action:

- Discuss with the commissions representative how to add this reference.
- The same actions are required as for CEN-EN 12977-3

Responsible: TC 312 Workgroup 4

Author: G. van Amerongen

Aimed at standard: EN 15316-4-3

Date / version: 12/9/2013, V1.0

In framework of the CEN mandate 480 (EPBD) the need may arise to develop simplified models for solar thermal applications for buildings based on component test results.

Further information will follow from the progress in the TC 228 WG2.

Responsible: TC 228 Workgroup 4

Author: G. van Amerongen

Aimed at standard: CEN-EN 15316-4-3

Date / version: 12/9/2013, V1.0

Work to be carried out in the framework of CEN mandate 495 according to the draft Annex B [9] and [10]. The timeframe for finalizing the work is very short (less than 20 months).

Doc. Ref.:	Action:	Remarks:
[9], [10]	Comply to all relevant aspects. This means at least:	
[8], 4.7 (a) [15]	Revise method B of the standard. This involves revisions for the formulas and addition of preset values for Ecodesign and energy labelling.	! ISSUE !: The current formula for the buffer heat losses in [8] have been revised in the framework of a SCF project. This formula should be adopted.
[8], 4.9	Revise 6.3.4.	
[7] and [8]	Add a paragraph to the standard that correctly handles solar hot water systems with an electrical integrated heater. This addition should formalize the proposal of ESTIF in [8].	! ISSUE !: Currently not correct in regulation. ESTIF proposed revision of transitional document to solve the issue. No reaction up to now.
[9], [10]	Verification procedures for market surveillance procedures:	Handle all items
	– Ensure point A	This is the foundation of the standards and should be oke as it is.
[1], annex VIII [2], annex IX	– Provide point B: Check for all relevant measurements	No actions needed. The method only describes calculations with measured values from other standards.
	– Verify point C: Check and add if needed	
	– Handle point D	Not clear what do to with this
[9], [10], template	Add the format for the test report	
[6], 4.7 (b)	Harmonize the relevant parts of the standard according to annex ZA	Format available [11]

Work to be carried out in the framework of CEN mandate 480. The timeframe for finalizing the work is very short (less than 7 months).

The work should be done according to [12], [13] and [14].

Doc. Ref.:	Action:	Remarks:
[12], [13], [14]	All parts needs to be revised.	
[15]	Method B (monthly) should be revised	[15] gives proposals for revision in the framework of Ecodesign.
	Produce Excel sheet of the monthly methods	
	Add to the standard a part describing an hourly method.	
	Produce a Excel sheet of the hourly method	

References:

- [1] CDR 811/_2013 Energy label SH_Combi.pdf
Commission delegated regulation (eu) no 811/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device
- [2] CDR 812_2013 Energy label WH_HWST.pdf
Commission delegated regulation (eu) no 812/2013 of 18 February 2013, supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of water heaters, hot water storage tanks and packages of water heater and solar device
- [3] CDR 813_2013 Ecodesign SH_Combi.pdf
Commission regulation (eu) no 813/2013 of 2 August 2013 implementing Directive 009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for space heaters and combination heaters
- [4] CDR 814_2013 Ecodesign WH_HWST.pdf
Commission regulation (eu) no 814/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for water heaters and hot water storage tanks
- [5] Transitional SH_Combi Draft0213.pdf
Communication from the commission on testing and calculations for space heaters and combi heaters.
- [6] Transitional WH_HWST Draft0213.pdf
Communication from the commission on testing and calculations for water heaters and hot water storage tanks.
- [7] ESTIF Comments 5_6_2012.pdf
Comments on workingdocuments dated Feb 2012 from ESTIF to the commission.
- [8] Transitional WH_HWST ESTIF revision Aug 2012.pdf
Communication from the commission on testing and calculations for water heaters and hot water storage tanks, revised by ESTIF.
- [9] Annex B CEN Mandate 495 SH_Combi.pdf
Draft, technical update (annex b of m/495) details of request to cen, cenelec and etsi for standardisation in the field of space heaters, combination heaters and related products (ener lot 1)
- [10] Annex B CEN Mandate 495 WH_HWST.pdf
draft, technical update (annex b of m/495) details of request to cen, cenelec and etsi for standardisation in the field of water heaters, hot water storage tanks and related products (ener lot 2).
- [11] Annex ZA template.doc
Template to illustrate how parts of a standard can be harmonized.
- [12] CEN-TC371-WG1_N0187_CEN_TC_371_document_N268_-_Basic_Princip.pdf
CEN/TC 371 document N268 - Basic Principles for the set of EPB-standards
- [13] CEN-TC371-WG1_N0188_CEN_TC_371_document_N269_-_Detailed_Tech.pdf
CEN/TC 371 document N269 - Detailed Technical Rules for the set of EPB-standards

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- [14] CEN-TC371-WG1_N0189_CEN_TC_371_document_N270_-_Module_M1-x_.pdf
*CEN/TC 371 document N270 - Module M1-x - Accompanying Technical Report on draft
Overarching standard EPBD (prEN 15603)*
- [15] Report EPBD-12 V12 (1e rev GvA).pdf
- REPORT -Proposals for revision of EN 15316-4-3 version 2007, 22/8/2013