

REHVA Office, 40 rue Washington, 1050 Brussels - Belgium www.rehva.eu - info@rehva.eu - Tel: +32-2-5141171
Editorial board: Jorma Railio, Ioan Silviu Dobosi, Frank Hovorka, Roberto Leucci,
Lars Nielsen, Olli Seppänen, Alex Vanden Borre

MoU signed with CCHVAC

On Friday October 28th 2011, in Brussels a Memorandum of Understanding was signed by the Federation of European Heating, Ventilation and Air-conditioning Associations (REHVA) and China Committee of Heating, Ventilation and Air-conditioning (CCHVAC). The purpose of this Memorandum of Understanding (MoU) is to strengthen the relationship between REHVA and CCHVAC and to promote substantial and tangible actions to increase the co-operation between the two associations. CCHVAC is a Chinese organization with approximately 30,000 members dedicated to advancing heating, ventilation, air conditioning and refrigeration to serve humanity and to promote a sustainable technology in China.



Left REHVA President Prof Michael Schmidt
Right CCHVAC Chairman Prof Xu Wei

REHVA Technical Seminar on Buildings Related EU regulations

REHVA Seminar was held at “The Hotel” in Brussels, Belgium on the 27th October 2011. The presentations are now downloadable on our [website](#). A few of the presentations are referred to in the following summaries of EU-regulations news.

REHVA European HVAC Journal

The *January issue* of the REHVA Journal (1/2012) will focus on A/C systems and EU regulations for HVAC products - Advertisements were due by 15 December. The editor of this issue is Prof Olli Seppänen - oseppanen@rehva.eu.

The *February issue* of the REHVA Journal (2/2012) will focus on Energy efficient HVAC Equipment and EU regulations - Articles are due by 16 January. The guest editor of this issue is Mr Jorma Railio - jorma.railio@gmail.com.

The *April issue* of the REHVA Journal (3/2012) will focus on Effect of EPBD on HVAC systems and buildings - Articles are due by 20 February. The guest editor of this issue is Mr Eduardo Maldonado - ed.maldonado@netcabo.pt

EU-regulations

see also the [EU regulations section](#) of the REHVA website

EPBD - Energy performance of buildings directive: Cost-optimal framework methodology was introduced in an earlier issue of the Bulletin. **Michaela Holl** explained the background and essential issues in her second presentation of REHVA Seminar.

INSIDE THIS ISSUE

- 1 MoU signed with CCHVAC
- 2 REHVA Technical Seminar on Building Related EU regulations
- 3 REHVA European HVAC Journal
- 4 EU-regulations
- 5 HVAC terminology
- 6 European Standardization
- 7 EU projects and REHVA participation
- 8 Upcoming events

The purpose is to establish the cost optimal benchmark for every Member State (MS), through calculation and using this to assess the current requirements of that MS. Purpose is not to compare across Member States. Furthermore, the framework is to be used by MS authorities, not the market.

So, the Commission will only give a common framework, determining starting year, cost categories, calculation period, need for sensitivity analysis for energy prices and discount rate, term "reference building", and sets rules for selecting measures/packages. The rest is up to MS's to determine, e.g. primary energy factors, estimated economic lifecycle, cost input data, discount rate, establish reference buildings etc. More about the issue on the ["EPBD" page](#) (subtitle "cost efficiency" at the bottom)

The final REHVA proposal for the definition of "Nearly zero energy building" can now be downloaded from the ["EPBD" page](#)

Ecodesign

[Lot 6](#) Air conditioning and ventilation systems - the second stakeholder meeting was held on 30 September 2011. All documents for the meeting are available on Lot 6 website. At the REHVA Seminar, the statuses of both parts were presented, "Ventilation" by René Kemna and "Air-conditioning" by Philippe Rivière. The "Ventilation" part of the study is now concentrating on air handling units (AHU's). The presentations gave some clarification to the questions about the borderlines between different "lots". The main function of any product is in the focus, e.g. ventilation is the AHU's main function. This means for example that the pressure drop of the heat exchangers of an AHU are dealt with in Lot 6, but the generation of heating/cooling energy for the heating/cooling coil is dealt with elsewhere - heating in [Lot 21](#) Central heating products.

Ecodesign Regulation for water pumps approaching final approval

The Regulatory Committee for Ecodesign-Directive held their meeting on 16th December 2011, and gave a positive statement on the proposal for Ecodesign regulation on water pumps, for pumping clean water. The regulation is still subject to final checking by the European Parliament and the European Council. If they approve the proposal, then the Commission can publish the Regulation.

The minimum requirements will enter into force in two stages. From 1.1.2013, the water pumps shall have a minimum efficiency index (MEI) of $\geq 0,10$ when measured according to Annex III of the Regulation. From 1.1.2015 (6 months later than originally proposed) on, more stringent requirements, $MEI \geq 0,40$, will apply. At the Regulatory Committee, no technical changes were made on the Commission's proposal.

Energy Efficiency Directive (EED)

On the 22 of June, the EU commission published the document [energy efficiency and repealing Directives 2004/8/EC and 2006/32/EC](#). The Commission's latest estimations, which take into account the national energy efficiency targets for 2020 that Member States have set in the context of the Europe 2020 strategy, suggest that the EU will achieve only half of the 20 % target in 2020.

At the REHVA seminar, Michaela Holl's first presentation dealt also with the EED.

Discussions at the seminar, and numerous commentaries on European level and in individual Member States, have indicate two main requirements of concern which also were taken up in the presentation:

Public sector to lead by example so that annual renovation works cover at least 3% of total floor area of their buildings.

Consumers: individual metering for better energy management; this requirement would also include metering of heating energy of each apartment in residential buildings.

After public review in summer 2011, the European Parliament has discussed about a number of amendments to the proposed text. Stakeholders, like REHVA, have had an opportunity to give comments on the proposed amendments.

Ecolabel

Labelling of products and buildings - The second stakeholder workshop for office buildings was held on 30 November 2011 - and for Hydronic Central Heating Generators on 29 November 2011. The next events in these issues will concentrate on Green Public Procurement (GPP) criteria - for Hydronic Central Heating Generators on 17 January 2012 and for office buildings on 18 January 2012 in Brussels.

The purpose of the meetings is the presentation of the intermediate project results for the product group selected, including product group definition, economic and market analysis, user behaviour analysis and environmental impact assessment. Consequently, a draft proposal for GPP criteria for Office Buildings and associated technical report will be presented, and the proposed criteria will be discussed and further developed with the stakeholders.

Concerning office buildings, the proposed ecolabel criteria (these and many other project documents can be downloaded from the website of the study) concerning both indoor environment and energy have raised a number of comments among stakeholders, indicating at least a need of more holistic approach for indoor environment including performance criteria for ventilation.

HVAC Terminology

This new section has been launched on the REHVA website. The definitions formulated are terms and abbreviations commonly used in REHVA publications. The current version of terminology contains about 500 terms and their definitions.

We invite you to submit your suggestions for missing terms and improved definitions to Andrei Litiu: al@rehva.eu . REHVA Website link: <http://www.rehva.eu/en/hvac-terminology>

European Standardization

At the REHVA seminar, **Jaap Hogeling** gave an update on the Status of EU Mandate M480 for CEN to develop the second generation CEN-EPBD standards supporting the implementation of the EPBD Recast. It has taken nearly a year to prepare the extensive work to revise the existing 42 European Standards from 2007-2008 since the draft Mandate was issued. The main thoughts on the revision work have not much changed, so the articles published in REHVA Journal 1/2011 are still valid in their contents. The Mandate was finally accepted by CEN Technical Board (CEN/BT) in April 2011, and finally the Grant Agreement between the Commission and CEN was finally signed in late November 2011 - and the Phase 1 of the revision work has started in December 2011.

REHVA's application for liaison status to CEN/TC 195 on Air filtration was approved at the committee meeting. Publishing of the revised EN 779 is still subject to approval of the resolution drawn by the CEN/BT at the end of November at, in order to proceed with the publication of EN 779. Voting by correspondence on the resolution will close in January 2012, so in a positive case the document will be finally published as EN 779:2012. In addition, the resolution asks CEN/TC 195 to initiate an immediate review of EN 779 in order to consider the comments from the UNI appeal.

EU projects and REHVA participation

The final presentation of the REHVA Seminar in October was given by **Alex Vanden Borre**. REHVA is currently involved in five European projects, offering technical expertise to contribute to the projects and promoting the projects and disseminating information through REHVA network. More about EU funded projects related to energy and IAQ regulations in buildings on:

<http://www.rehva.eu/en/regulations-related-projects>, and in the most recent [REHVA Newsletter](#)

Upcoming events

Next REHVA Annual Conference and Meeting, 17-20 April 2012, Timisoara, Romania



The conference will focus on HVAC Technology in Energy retrofitting.

More info at www.rehva.eu or www.rehva-am2012.ro

ASHRAE 2012 Winter Conference, 21-25 January 2012, Chicago, Illinois, USA
You are invited to REHVA Reception, 23 January 2012, 18.00 - 19.30 at the conference hotel Palmer House Hilton

Interclima +elec, 7-10 February 2012, Paris - Porte de Versailles, France
www.interclimaelec.com



ACREX 2012, 23-25 February 2012, Bangalore, India
www.acrex.org.in



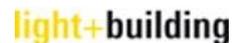
For sponsoring contact:
cd@rehva.eu

NORDBYGG 2012, 20-23 March 2012, Stockholm, Sweden
 Visit www.nordbygg.se

MCE - Mostra Convegno Expocomfort , 27 - 30 March 2012, Fiera Milano, Italy
REHVA and AICARR seminar: HVAC in Zero Energy Buildings, Congress centre Stella Polare, Milan, 28 March 2012, 14.00 - 17.00
www.mceexpocomfort.it



Light and Building, 15-20 April 2012, Frankfurt, Germany
 Please visit www.light-building.messefrankfurt.com
You are invited to the REHVA seminar, 16 April, 11.00 - 13.00





Contact
 REHVA Office
 40 rue Washington
 1050 Brussels, Belgium
www.rehva.eu
info@rehva.eu
 Tel: +32-2-5141171

