

International Workshop on Ventilation and Airtightness in Buildings

Voluntary and Regulatory Frameworks to Improve Quality and Compliance

PROGRAMME

Day 1 – Monday 16 March 2015

09:00-10:30 Introduction

1. Welcome on behalf of QUALICheck - Objectives of this workshop - QUALICheck's approach to quality and compliance. *Peter Wouters, BBRI, Belgium*
2. Welcome on behalf of Boverket. *Anders Sjelvgren and Wanda Rydholm, Boverket, Sweden*
3. BUILD UP Skills: European collaboration on improving the competence of the building workforce - Ventilation and airtightness aspects. *Horia Petran, URBAN-INCERC, Romania*
4. Addressing compliance and quality in CEN and ISO standards, Jaap Hogeling, Chair of CEN TC 371, ISSO, Netherlands
5. Interaction with the audience

10:30-11:00 Coffee break

11:00-11:30 Outcomes of QUALICheck

1. **Approaches to improve compliance and accessibility of energy performance certificate input data.** *François Durier, CETIAT, France*
2. Overview of selected approaches to improve the quality of the works. *Heike Erhorn-Kluttig, IBP Fraunhofer, Germany*

11:30-12:45 Building ventilation: industry initiatives - opportunities and challenges for manufacturers

1. The role certification can play to improve the reliability of input data. Eurovent certification example. *Sylvain Courtey, Eurovent Certita Certification, France*
2. Opportunities and challenges for natural ventilation systems and ventilative cooling solutions in compliance frameworks. *Karsten Duer, Velux, Denmark*
3. Assessment of demand-controlled ventilation in various countries and compliance frameworks: practical experience and difficulties encountered by a manufacturer. *Yves Lambert, Renson, Belgium*
4. Market drivers for the ventilation industry in Sweden: the role of AMA and OVK procedures, standardization, and certification. *Lars-Åke Mattsson, Lindab, Sweden*

12:45-13:45 Lunch break

13:45-15:15 Selected approaches addressing quality and compliance in various countries – Concerns for innovation

1. Quality and compliance on building ventilation and airtightness in the Dutch context. *Wouter Borsboom, TNO, The Netherlands*
2. Air-Permeability Testing of New Dwellings & Buildings in the UK: Challenges to Maintaining Standards. *Barry Cope, ATTMA, UK*
3. Overview of competent tester schemes for building airtightness testers. *François Rémi Carrié, INIVE, Belgium*
4. BUILD UP Skills Sweden: Quality assurance of the works and training activities. *Per-Johan Wik, Lund University, Sweden*

15:15-15:45 Coffee break

15:45-17:15 Swedish approach to quality and compliance

1. Background on Swedish regulation BBR - Ventilation and airtightness, *Wanda Rydholm, Boverket, Sweden*
2. OVK Compliance (regulatory) and energy efficiency measures, as well as guidance to municipal supervisors on the Board's Web (Boverkets), OVK experience and supervision. *Wanda Rydholm, Boverket, Sweden*
3. The Swedish National energy declaration record, *Anders Sjelvgren, Boverket, Sweden*
4. Certification of persons issuing OVK and energy performance certificates. *Magnus Jerlmark, Kiwa, Sweden*
5. Qualification of airtightness testers. *Paula Wahlgren, Chalmers, Sweden* and *Magnus Hansén, SP, Sweden*.
6. The AMA framework: ductwork according, practical implementation and presentation of digital training for ventilation installers. *Johnny Andersson, Ramboll, Sweden*
7. Discussion

17:15-18:15 Step-by-step demonstration of the inspection of ventilation systems (OVK procedure) supported by video

Wanda Rydholm, Boverket, Sweden and *Olle Nevenius, FunkiS, Sweden*

Day 2 – Tuesday 17 March 2015

09:00-10:30 *Steps to improve the reliability of EPC input data and quality of the works in the Belgian context*

1. Energy Performance of buildings regulations in Belgium - The key puzzle pieces for an effective regulation. *Xavier Loncour, BBRI, Belgium*
2. Building airtightness: Towards improved and reliable declared performances. *Clarisse Mees, BBRI, Belgium*
3. Ventilation: steps towards framework for reliable EPC input data and improved quality/compliance. *Samuel Caillou, BBRI, Belgium*

10:30-11:00 *Coffee break*

11:00-12:30 *Status on the ground and industry-driven initiatives in the French regulatory context*

1. Lessons learnt from regulatory compliance checks on ventilation and airtightness: regulatory context, control procedures, results. *Sandrine Charrier and Adeline Bailly, CEREMA, France.*
2. Building regulations can foster quality management : the French example on building airtightness. *Sandrine Charrier, CEREMA, France*
3. French voluntary scheme for homogeneous announcement of ventilation product performance. *François Durier, CETIAT, France*

12:30-13:30 *Lunch break*

13:30-15:00 *Interactive session – Developing effective compliance frameworks*

The objective of this session is to identify key questions to address to develop an effective compliance framework. It starts with an introductory presentation regarding legal issues when developing compliance frameworks.

1. Legal issues when developing compliance frameworks. *Eric Winnepeninckx, UBAtc, Belgium*
2. Structured discussion on sources of problems regarding input data, quality of the works, and innovation.

15:00-15:15 *Coffee break*

15:15-16:00 *Conclusions and Perspectives*

1. Summary of country presentations. *Arnold Janssens, University of Ghent, Belgium*
2. Perspectives for effective compliance checks, including feedback from interactive sessions. *Xavier Loncour, BBRI, Belgium*
3. Future steps for QUALICHeCK. *Peter Wouters, BBRI, Belgium*

