REHVA Federation of European Heating, Ventilation and Air Conditioning Associations

CLIMA 2019
Built environment facing climate change
REHVA 13th HVAC World Congress
26 - 29 May, Bucharest, Romania

Workshops at CLIMA 2019

Workshop n. 11

BACS supported performance, technical monitoring and certified commissioning of HVAC systems

Tuesday, 28 May, 10:30 - 12:00

Meeting Room TBC

Workshop organizer(s)

REHVA - Federation of European Heating, Ventilation and Air Conditioning Associations	REHVA Federation of European Heating, Ventilation and Air Conditioning Associations
eu.bac - European Building Automation and Controls Association	eu.bac european building automation controls association

Presenters

Chair(s)	
Atze BOERSTRA	REHVA Vice-President
Peter HUG	eu.bac Managing Director

Speakers	
Pau GARCIA AUDI	European Commission, DG ENER
Bonnie BROOK	eu.bac
Stefan PLESSER	Synavision
Cormac RYAN	COPILOT

Scope

This joint workshop organised by REHVA and the European Building Automation and Controls Association will present the wide spectrum of tools and technologies supported by BACS to improve and optimize HVAC systems' performance and make it transparent to Building Owners/Operators.

The first presentation will introduce the EU policy framework. Mr. Pau Garcia Audi will give an overview of the current EU policies with focus on the main new elements regarding BACS in the revised EPBD. Mr. Garcia Audi will also explain how certain BACS, if able to deliver certain

functionalities, will become mandatory in large non-residential buildings to preplace physical inspections.

In the second presentation, Ms. Bonnie Brook will give more information to the participants about these "EPBD compliant" functionalities: how to distinguish the BACS that can deliver them from the ones that cannot, the importance of them, how they can ensure ongoing commissioning and why they are an essential precondition for the buildings of the present and of the future.

Dr. Stefan Plesser will explain how technical monitoring as the key service for quality management for quality management can be applied in buildings. He will describe the principle roles and responsibilities, technical requirements regarding BACS and the individual steps from the early design stage via construction and commissioning until regular operation.

The last presentation by Mr. Cormac Ryan will focus on Certified Commissioning, introducing the COPILOT scheme showing how HVAC and BMS can be certified with details on the quality of design, installation and operation quality.

The presentations will be followed by an interactive Q&A session, moderated by Mr. Hug.

Audience

Building owners, facility managers, designers, policymakers, architects, system integrators, installers, building commissioners, industry, energy inspectors, energy auditors, students.

Expected results

With this event the organizers seek to inform the audience about the latest policy developments in the revised EPBD concerning technical building systems, with a focus on the key role of BACS functionalities. Further, essential tools to optimize the performance of the systems, such as technical monitoring and commissioning certification scheme, will be introduced, in order for participants to understand how to successfully apply them.

Programme

5 min	**Introduction** Atze Boerstra, REHVA Vice-President
15 min	**BACS in revised EPBD and current results from the implementation of regular HVAC inspections from the former EPBD in Member States** Pau Garcia Audi, DG ENER
15 min	**BACS option: relevant functionalities, ongoing commissioning, future outlook** Bonnie Brook, eu.bac
15 min	**Technical Monitoring option** Stefan Plesser, synavision
15 min	**Certified Commissioning option** Cormac Ryan, COPILOT
20 min	**Q&A session** (moderated by) Peter Hug, eu.bac
5 min	**Conclusion** Peter Hug, eu.bac