

IEA EBC Annex 78

Test method for measuring perceived indoor air quality for use in testing the performance of gas phase air cleaning products



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- **Indoor air — 16000**
**Part 44: Test method for measuring
perceived indoor air quality for use in
testing the performance of gas phase
air cleaners**
(DIS voting stage)

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ISO/TC 146/SC 6 Indoor Air

Scope of ISO/TC 146/SC 6

- Standardization of any matters within the scope of ISO/TC 146 dealing with **indoor air**
- Gases, particles, odours, micro-organisms, and emissions from building products and furnishings
- **Definition of the indoor environment:**
Dwellings, having living rooms, bedrooms, DIY rooms, recreation rooms and cellars, kitchens and bathrooms;
workrooms or work places in buildings which are not subject to health and safety inspections in regard to air pollutants (for example offices, sales premises);
public buildings (for example hospitals, schools, kindergardens, sports halls, libraries, restaurants and bars, theatres, cinemas and other function rooms);
cabins of vehicles

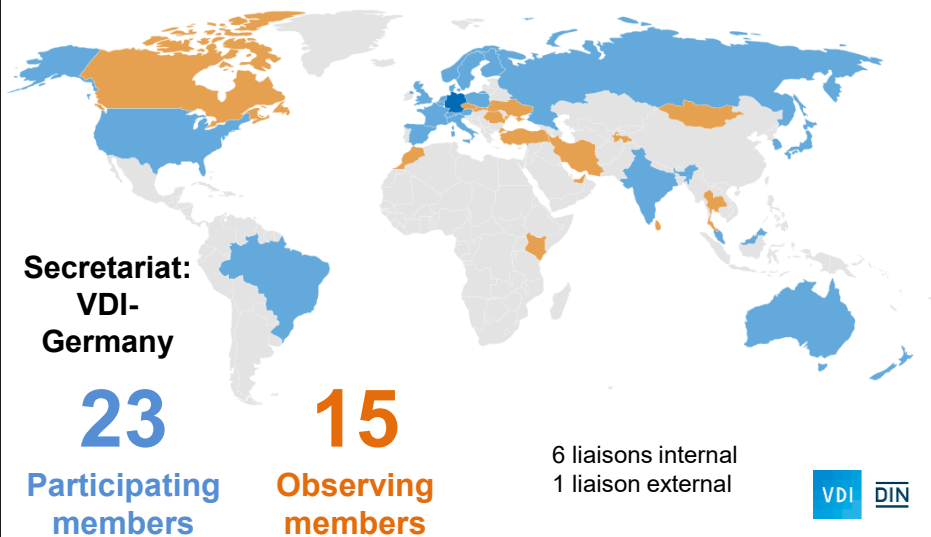


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ISO/ TC 146/SC 6 – Member Countries



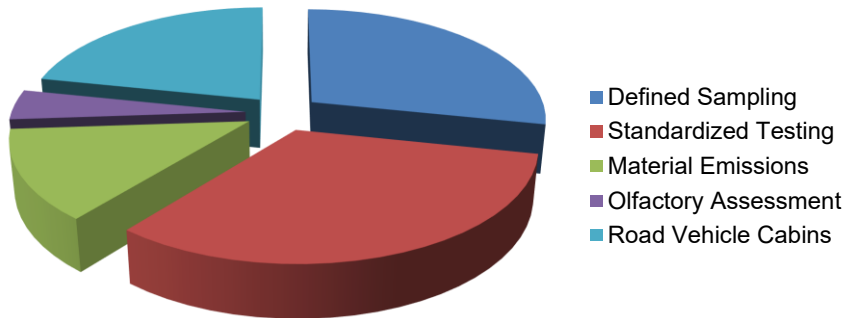
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ISO Standards on Indoor Air Quality

Total Number: **53** (**50** published)



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New Liaison



✓ Resolution 509 (2021)

ISO/TC 146/SC 6 decides to start a liaison with **IEC/TC 59 JWG 17** dealing with household and similar air treatment electrical appliances.

IEC: International Electrotechnical Commission

IEC/TC 59 JWG17: Household and similar air treatment electrical appliances (ISO TC142)

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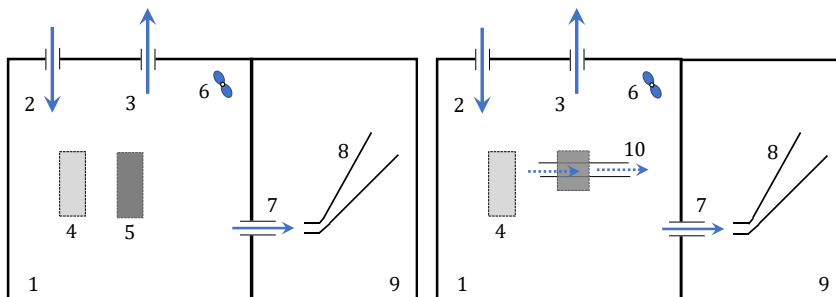
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Scope (Draft)

- ✓ This part of ISO 16000 specifies a general laboratory test method for **measuring perceived air quality** that is applied for assessing the performance of air cleaners for gas-phase pollutants.
- ✓ Perceived air quality is evaluated by human subjects (panels). **This method applies to gas phase air cleaners**, and can be performed in laboratories. Only gas-phase pollutants that can be sensed by human subjects are considered.
- ✓ This document is based on sensory test specified in **ISO 16000 28 (building products)** and **ISO 16000 30 (indoor air)**, and is harmonized with the standard for testing gas phase air cleaners that will be standardized by **ISO/TC 142 (Cleaning equipment for air and other gases)**.

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Test Chamber Method



1. Test chamber/room
2. Clean and temperature/humidity conditioned air supply
3. Exhaust outlet
4. Odour emission source(s)
5. Air cleaner(s)
6. Mixing fan
7. Tube or duct
8. Sniffing device, complying with relevant specifications and requirements of ISO 16000-28.
9. Front/anterior space in which human panel enter
10. In duct air cleaner(s)

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Acceptable scale

Perceived odour intensity with category scale

