



ISO/TC 197
Hydrogen technologies

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ISOTC158 Liaison with TC197

Document type: Other meeting document

Date of document: 2014-12-10

Expected action: INFO

Background: Here is the presentation that was used for agenda item 11.1 at the ISO/TC 197 Plenary Meeting of 2014.

Committee URL: <http://isotc.iso.org/livelink/livelink/open/tc197>

Presentation of TC 158 (1)



- The scope of ISO/TC 158 is adjusted to the needs of the sector and is defined as standardization in the field of gas analysis, including:
 - Terminology
 - Preparation of calibration gas mixtures;
 - Sampling and transfer lines;
 - Analytical methods including evaluation of characteristics of analyzers.

- Excluded are the subjects falling within the scope of any other ISO Technical Committee (e.g. ISO/TC 28, ISO/TC 146 and ISO/TC 193) unless specifically requested.

- The work is pointed towards
 - the use and fabric of calibration gases for a better comparison of different measurements.
 - proper determination of uncertainty to avoid the risks of producing data that are not harmonized worldwide, and ascertain a smooth and reliable worldwide transaction of gases.





■ Structure of the technical committee (chaired by Netherlands):

- WG 1: Terminology (chair: Germany ;secret.:NEN)
- WG 2: Quality assurance of gas analysis (chair Netherlands; secr. NEN)
- WG 3: Gravimetric methods (chair: Netherlands ; secretary:NEN)
- WG 4: Comparison methods and certificates (chair: Germany ;secret.:NEN)
- WG 5: Static and dynamic volumetric methods (chair: UK ; secret.:NEN)

■ Liaisons with others:

- ISO TC 22: Vehicules
- ISO TC 28: Static measurement of petroleum
- ISO TC 146: Air Quality
- ISO TC 193: Natural gas
- **ISO TC 197: H2 for fuel cell applications (NEW)**
- EIGA: European Industrial Gases Association





- **Resolutions of the 20th meeting of ISO/TC 158 ‘Analysis of gases’, – BSI, London, 28 November 2014: Resolution 2014/13 – Analytical methods for impurity analysis of hydrogen**
- ISO/TC 158,
 - noting the liaison report about ISO/TC 197 and the ideas to develop a standard on analytical methods for impurity analysis of hydrogen,
 - noting the interest expressed by its members in this work and the relevance of this work to ISO/TC 158,
 - suggests establishing a joint working group with ISO/TC 197 under leadership of ISO/TC 197 to develop the standard on analytical methods for impurity analysis of hydrogen,
 - suggests ISO/TC 197 establishing a liaison to ISO/TC 158,
 - asks its liaison officer Ms Martine Carré to present these suggestions at the upcoming ISO/TC 197 plenary meeting.

