



ISO/TC 197  
Hydrogen technologies

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**Liaison Report to TC197 from ISO TC 45.SC1 2019-R1**

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Background: Please find attached the liaison report made by TC 45 SC 1 to TC 197.

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

# Liaison Report to ISO/TC 197 from ISO/TC 45/SC 1

## 1. Background

**Committee:** ISO/TC45/SC1 - Rubber and plastics hoses and hose assemblies

**Scope:** Standardisation of rubber and plastic hoses and hose assemblies associated with industrial, chemical, automotive and hydraulic applications including hose test methods.

**Chairman:** Mr Axel Tammen, Germany

**Committee manager:** Mr Felix Johannes Seidel, Germany (New from this year)

### **Structure:**

- WG 1 Industrial, chemical and oil hoses  
Convener: Mr. Richard Batzer, USA
- WG 2 Automotive hoses  
Convener: Mr. Melvyn Vance, UK
- WG 3 Hydraulic hoses**  
**Convener: Mr. Hiroshi Tanimura, Japan**
- WG 4 Hose test methods  
Convener: Mr. David Warhurst, UK

**Published ISO standards:81, ISO Standards under development:15,  
Participating members: 22, Observing members: 15**

## 2. Information

The 67<sup>th</sup> ISO/TC 45 meeting was held at the DIN offices in Berlin during the week of 28<sup>th</sup> October. ISO/TC45/SC1 was involved in this meeting and it was its 41<sup>st</sup>. The next meeting of ISO/TC45/SC1 meeting will be held in Bangkok (Thailand) in the week of Oct. 26, 2020.

### Items of interest to TC197

- (1) Liaison report of TC197 was given at SC1 Plenary meeting on 10/31. It was the first time TC197 Liaison report was given.
- (2) Hydrogen dispenser hoses and hose assemblies are basically involved in SC1/WG3 which deals with hydraulic hoses and hose assemblies with extremely high pressure. Test procedures in Hydrogen dispenser hoses and hose assemblies are dealt with SC1/WG4 Hose test methods.
- (3) Unfortunately, in WG3 meeting the expert of high-pressure plastic hose could not able to attend. We discussed after the meeting and he told he would like to involve in the project for the next revision of ISO 19880-5.
- (4) The detailed discussion would be made in the next meeting bringing the result of WG22 meeting this year.

## **Proposal from TC45/SC1 to TC197**

When developing ISO 19880-5 (Hydrogen dispenser hose), we have had a lot of input and consultation from TC45/SC1 which is a Sub Committee dealing with Hose and there are many hose experts there.

The companies the experts come from are and in the future will be manufacturers or testing labs of Hydrogen dispenser hose,

Therefore, regarding Hydrogen dispenser hose standard, especially its hose test standards, we are considering TC45/SC1 to take care of developing and making maintenance of test standards.

In TC45/SC1 has a long history of dealing with hose product standards and test standards.

Our idea is that TC197/WG22 takes care of hose product standard such as ISO 19880-5 or future ones and TC45/SC1 takes care of test standards currently described in the product standard.

TC45/SC1/WG4 has started revising hose permeation test and developing Gas Leakage test which are also included in the requirements of Hydrogen dispenser hose.

Susumu Hatanaka  
Liaison Officer  
13 December 2019.