



ISO/TC 197
Hydrogen technologies

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ISO TC 58 SC 2 Liaison report

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Background: Please find attached the liaison report for ISO TC 58 SC 2 to be presented at the plenary meeting in Grenoble.

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



« Hydrogen technologies »

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Report on activities of ISO/TC 58/SC 2 “Cylinder fittings”

COMMENTARIES

To be considered during the next meeting of ISO/TC 197

1 Scope, Chairmanship, Meetings

Scope of ISO/TC 58/SC 2 “Cylinder fittings”

Developing International Standards on design and testing of cylinder valves and fittings. These standards specify the threads, the outlet connections and the valve guards and caps. The concerned valves are for industrial and medical gas cylinders, microelectronic applications, LPG gas cylinders.

Developing International Standards for test methods for toxicity, tissue corrosiveness, fire potential and oxidizing ability gases.

Chairman and Secretary

Chairman: Olivier Beuneken (Air Liquide) since 2018-01-01

Secretary: Laurie Jardel (AFNOR)

Last & next meetings

The last plenary meeting of ISO/TC 58/SC 2 took place in Toronto (Canada) on October 3rd, 2019.

The next plenary meeting of ISO/TC 58/SC 2 will take place in Munich (Germany) the week of on October 5th, 2020.

2 Structure

Working Groups

- WG 4 “Valve stem and cylinder neck threads”
- WG 6 “Gas cylinder valves – Specifications and testing”
- WG 7 “Determination of properties of gases and gas mixtures”
- WG 11 “Allocation of valve outlets”
- WG 12 “Specification and test for LPG cylinder valves”
- WG 13 “Flexible hoses”
- WG 14 “Revision of ISO 22434”

Internal liaisons

- ISO/TC 21/SC 8 “Gaseous media and firefighting systems using gas”
- ISO/TC 22/SC 44 “Road vehicles – Specific aspects for gaseous fuels”
- ISO/TC 44/SC 8 “Equipment for gas welding, cutting and allied processes”
- ISO/TC 94/SC 15 “Respiratory protective devices”
- ISO/TC 121/SC 6 “Medical gas systems”
- ISO/TC 197 “Hydrogen technologies”

External liaisons

- European LPG Association (AEGPL)
- European Industrial Gases Association (EIGA)
- European Cylinders Makers Association (ECMA)
- International Labour Organization (ILO)

3 Work programme

Items under enquiry:

- Revision of ISO 407 “Small medical gas cylinders – Pin-index yoke-type valve connections” with proposal to start at DIS stage.

Preliminary work items:

- ISO/PWI 10297 “Gas cylinders – Cylinder valves – Specification and type testing”
- ISO/PWI 15245-1:2001 “Gas cylinders – Parallel threads for connection of valves to gas cylinders – Part 1: Specification”



-ISO/PWI 22435 “Gas cylinders – Cylinder valves with integrated pressure regulators – Specification and type testing”

Items under study:

-ISO/WD 22434 “Transportable gas cylinders – Inspection and maintenance of cylinder valves”

-ISO/TR 7470 “Gas cylinders – Cylinder valve outlets – List of provisions which are either standardized or in use”

-ISO/WD 23286 “Gas cylinders – Ball valves – Specification and type testing”

-ISO/DIS 17871 “Gas cylinders -- Quick-release cylinder valves -- Specification and type testing”

Standards published since last year

-ISO 17871:2015/Amd1:2018 “Gas cylinders – Quick-release cylinder valves – Specification and type testing – Amendment 1”

-ISO 11117:2019 “Gas cylinders – Valve protection caps, guards and shrouds – Design, construction and tests”

-ISO 14245:2019 “Gas cylinders – Specifications and testing of LPG cylinder valves”

-ISO 15995:2019 “Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated”

-ISO 16964:2019 “Gas cylinders – Flexible hoses assemblies – Specification and testing”

-ISO 14456:2015/Amd1:2019 “Gas cylinders -- Gas properties and associated classification (FTSC) codes - Amendment 1”

4 Items of interest for ISO/TC 197

-ISO 16964:2019 “Gas cylinders – Flexible hoses assemblies – Specification and testing” (revision of ISO 16964:2015) was published.