



ISO/TC 197
ISO/TC 197 - Hydrogen technologies
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Secretariat: SCC

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Resolutions (E)

taken during the 18th plenary meeting of ISO/TC 197 on 14 October 2009 in Seoul, Republic of Korea

Resolution 325

ISO/TC 197 agrees that a drafting committee for this 18th plenary meeting be established as follows:

- Karen Hall (ANSI and BSI);
- Sylvie Gingras (Secretary of ISO/TC 197).

The resolutions will be drafted in English and translated in French by the Secretariat thereafter.

Resolution 326

ISO/TC 197 approves the Report of the 17th plenary meeting of ISO/TC 197 (doc. N 428) as drafted.

Resolution 327

ISO/TC 197 approves the change in title and scope of **ISO 17268**.

The new title is to read:

Gaseous hydrogen land vehicle refuelling connection devices

The new scope is to read:

This International Standard defines the design, safety and operation characteristics of gaseous hydrogen land vehicle (GHLV) refuelling connectors. GHLV refuelling connectors consist of the following components, as applicable.

- Receptacle and protective cap (mounted on vehicle);
- Nozzle.

This International Standard applies to refuelling connectors which have working pressures of 11MPa, 25 MPa and 35 MPa and 70 MPa, hereinafter referred to in this International Standard as the following:

- H11 – 11 MPa at 15 °C
- H25 – 25 MPa at 15 °C
- H35 – 35 MPa at 15 °C
- H35HF – 35MPa at 15 °C (high flow for commercial vehicle applications)
- H70 – 70 MPa at 15 °C

Nozzles and receptacles that meet the requirements of this International Standard will allow GHLVs to be fuelled by dispenser stations with nominal working pressures equal to or lower than the vehicle fuel system working pressure.

This International Standard is intended to be used for certification purposes.

Resolution 328

ISO/TC 197 approves the change in scope of **ISO 20100**. The new scope is to read:

This international standard specifies the design, operation and maintenance characteristics of standalone outdoor public and non-public, and indoor warehouse fuelling stations that dispense gaseous hydrogen used as fuel onboard land vehicles of all types.

Residential and home applications to fuel land vehicles are excluded from this international standard.

The fuelling station may comprise, as applicable, the following as shown in Figure 1:

- Delivery of hydrogen by pipeline, trucked in gaseous and/or liquid hydrogen;
- On-site hydrogen generators using water electrolysis process or hydrogen generators using fuel processing technologies;

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- Liquid hydrogen storage, pumps and vaporizer;
- Gaseous hydrogen compression and purification systems;

NOTE When the fuelling station comprises an on-site hydrogen generator, a compressor/purifier system is commonly integrated into it.

- Gaseous hydrogen buffer storage;
- Pre-cooling device;
- Gaseous hydrogen dispensers.

Resolution 329

ISO/TC 197 approves the title and scope change of **ISO 26142**.

The new title is to read: Hydrogen detection apparatus — Stationary applications.

The new scope is to read:

This international standard defines the performance requirements and test methods of hydrogen detection apparatus that is designed to measure and monitor hydrogen concentrations in stationary applications. The provisions in this standard cover the hydrogen detection apparatus used to achieve the single and/or multilevel safety operations such as nitrogen purging or ventilation and/or system shut-off corresponding to the hydrogen concentration. The requirements applicable to the overall safety system as well as the installation requirements of such apparatus are excluded. This standard sets out only the requirements applicable to a product standard for hydrogen detection apparatus, such as precision, response time, stability, measuring range, selectivity, and poisoning.

This standard is intended to be used for certification purposes.

Resolution 330

ISO/TC 197 confirms the need for all the work items currently registered in its programme of work and, considering the report of the working group conveners, agrees with the following target dates:

WG	Work item	Title	Target dates
5	17268	Gaseous hydrogen land vehicle refuelling connection devices	DIS: 2009-10 FDIS: 2010-10 IS: 2011-04
8	22734-2	Hydrogen generators using water electrolysis process — Part 2: Residential applications	DIS: 2009-11 FDIS: 2010-11 IS: 2011-05
9	16110-2	Hydrogen generators using fuel processing technologies — Part 2: Test methods for performance	FDIS: 2009-10 IS: 2010-04
11	20100	Gaseous hydrogen — Fuelling stations	DIS: 2010-11 FDIS: 2011-11 IS: 2012-05
12	14687-2	Hydrogen Fuel — Product Specification — Part 2: PEM fuel cell applications for road vehicles	DIS: 2010-10 FDIS: 2011-10 IS: 2012-04
13	26142	Hydrogen detection apparatus — Stationary applications	FDIS: 2009-11 IS: 2010-05

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Resolution 331

ISO/TC 197 confirms the composition of its permanent editing committee. The members are comprised of:

- Karen Hall (ANSI and BSI);
- Sylvie Gingras (Secretary of ISO/TC 197).

This permanent editing committee is responsible for:

- updating and editing enquiry drafts (DIS) and Final Draft International Standards (FDIS) considered at meetings or circulated between meetings;
- ensuring their conformity with Part 2 of the ISO/IEC Directives;
- ensuring the equivalence of the texts in the official languages.

Resolution 332

ISO/TC 197 thanks our hosts, the Korean Agency for Technology and Standards, for generously providing meeting space for the ISO/TC 197 plenary and working group meetings and for their excellent hospitality.

Resolution 333

ISO/TC 197 approves all the resolutions taken during this 18th plenary meeting (nos. 325 to 332).