



International

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Gaseous hydrogen — Land vehicle fuel containers

Hydrogène gazeux — Réservoirs de carburant pour véhicules terrestres

ISO 19881

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This document was prepared by Technical Committee TC 197, *Hydrogen technologies*.

This second edition cancels and replaces the first edition (ISO 19881:2018), which has been technically revised.

The main changes are as follows:

- harmonization with UN GTR 13 Phase 2 with focused modifications to the fire test;
- fire test pre-test conditions included as Annex material.

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The purpose of this document is to promote the implementation of hydrogen powered land vehicles through the creation of performance-based testing requirements for compressed hydrogen fuel containers. The successful commercialization of hydrogen land vehicle technologies requires standards pertaining to fuelling stations, vehicle fuel system components and the global homologation of standards requirements for technologies with the same end use. This will allow manufacturers to achieve economies of scale in production through the ability to manufacture one product for global use.

This document is based on the CSA Standard ANSI/HGV 2-2014 and UN GTR No. 13.