

# ISO TC 197 Standards

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U.S. TAG ISO TC 197

# International Hydrogen Standards

## ISO TC 197 “Hydrogen Technologies“

WG	Topic
1	Liquid hydrogen — Land vehicle fuel tanks
2	<i>Tank containers for multimodal transportation of liquid hydrogen</i>
3	<i>Hydrogen fuel — Product specification</i>
4	<i>Airport hydrogen fuelling facility</i>
5	Gaseous hydrogen blends and hydrogen fuels — Service stations and filling connectors
6	Gaseous hydrogen and hydrogen blends — Land vehicle fuel tanks
7	<i>Basic considerations for the safety of hydrogen systems</i>
8	Hydrogen generators using water electrolysis process
9	Hydrogen generators using fuel processing technologies
10	Transportable gas storage devices — Hydrogen absorbed in reversible metal hydrides

# Recently Approved Work Items

- Japanese Amendment to the Hydrogen Fuel Standard
- Canadian Technical Report on Refueling Stations
  - Item has been approved as a refueling station Technical Report
  - Canada wants to change the TR to TS and follow it up with Standard

# Proposed Interface Issue Policy

- Put the proposed work item in the committee with the greatest technical expertise
- Put the proposed work item in the committee that is responsible for the use or output from the product/system that the standard is written about
- If the use is unique to a product put the item in the committee responsible for that product. If not put it into the committee with generic responsibility for items of that type.
- If it is a device requirement with unique properties (PDR for hydrogen), set requirements and ask committee responsible for PDRs to develop or amend a generic standard in a timely fashion that takes those unique properties into account

# Interface or Unaddressed Issues

- Hydrogen refueling stations
- Hydrogen specifications
- Component specs for hydrogen use
- Reversible fuel cells
- Safety systems
- Sensors
- Interface issues
  - Portable device storage & fuel cell
  - Vehicle emissions (hydrogen) in confined spaces

# Open Vote

- Electrolyzer standard CD vote by 11/20
- Participants for
  - Refueling station
  - Hydrogen fuel spec amendment
  - Follow IEC TC 105 activities on micro-fuel cells