

ISO/TC 197 Hydrogen technologies

Secretariat : BNQ/SCC
 Secretary : Ms. Sylvie Gingras
 Chairman: Dr. Tapan Bose

Participating countries : 17
 Observer countries : 13

Working groups:

WG 1: *Liquid hydrogen — Land vehicle fuel tanks*
 WG 2: *Tank containers for multimodal transportation of liquid hydrogen*
 WG 4: *Airport hydrogen fuelling facility*
 WG 5: *Gaseous hydrogen — Land vehicle filling connectors*
 WG 6: *Gaseous hydrogen and hydrogen blends — Land Vehicle fuel tanks*
 WG 7: *Basic considerations for the safety of hydrogen systems*
 WG 8: *Hydrogen generators using water electrolysis process*

Published standards	
ISO 13984:1999	<i>Liquid hydrogen — Land vehicle fuelling system interface</i>
ISO 14687:1999/Cor 1:2001	<i>Hydrogen fuel — Product specification</i>

Standards under development			
Stage	ISO number	Title	WG
Preparatory stage (20)	ISO/WD 13986¹	<i>Tank containers for multimodal transportation of liquid hydrogen</i>	WG 2
	ISO/WD 17268	<i>Gaseous hydrogen — Land vehicle filling connectors</i>	WG 5
	ISO/WD 22734	<i>Hydrogen generators using water electrolysis process</i>	WG 8
Committee stage (30)	ISO/DPAS 15594	<i>Airport hydrogen fuelling facility</i>	WG 4
	ISO/CD 15869-1	<i>Gaseous hydrogen and hydrogen blends — Land vehicle fuel tanks — Part 1: General requirements</i>	WG 6
	ISO/CD 15869-2	<i>Gaseous hydrogen and hydrogen blends — Land Vehicle fuel tanks — Part 2: Particular requirements for metal tanks</i>	
	ISO/CD 15869-3	<i>Gaseous hydrogen and hydrogen blends — Land Vehicle fuel tanks — Part 3: Particular requirements for hoop wrapped composite tanks with a metal liner</i>	
	ISO/CD 15869-4	<i>Gaseous hydrogen and hydrogen blends — Land Vehicle fuel tanks — Part 4: Particular requirements for fully wrapped composite tanks with a metal liner</i>	
	ISO/CD 15869-5	<i>Gaseous hydrogen and hydrogen blends — Land Vehicle fuel tanks — Part 5 : Particular requirements for fully wrapped composite tanks with a non-metallic liner</i>	
	ISO/DTR 15916	<i>Basic considerations for the safety of hydrogen systems</i>	WG 7
Enquiry stage (40)	ISO/DIS 13985-1	<i>Liquid hydrogen — Land vehicle fuel tanks — Part 1: Design, fabrication, inspection and testing</i>	WG 1
	ISO/DIS 13985-2	<i>Liquid hydrogen — Land vehicle fuel tanks — Part 2: Installation and maintenance</i>	

¹ This work item was officially cancelled by the ISO Central Secretariat. However, work is still going on in collaboration with ISO/TC 220 Cryogenic vessels WG 1. The work item is the following: ISO/WD 20421-1: *Cryogenic vessels — Large transportable vacuum insulated vessels — Part 1: Design, fabrication, inspection and tests.*