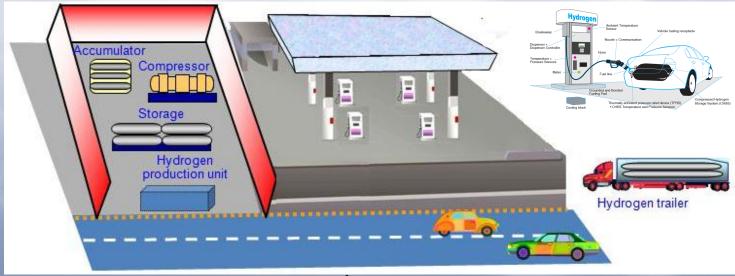
GTR-13 Phase 2 on H&FCEV IWG 5th Meeting

Powertech Labs, Vancouver, Canada *March 5-7, 2019*

ISO/TC 197 Hydrogen Technologies
Update

Andrei V. Tchouvelev, Chair



ISO/TC 197 Plenary Week Vancouver, Canada December 3-7, 2018



Program:

- √ Working group meetings
- √ Strategic planning meeting
- ✓ Plenary meeting





ISO-IPHE RCSS Strategic Planning Meeting: H2@Market: FCEV - H2 Station Interface: Interoperability, Regulations, Certification

Vancouver, December 5, 2018

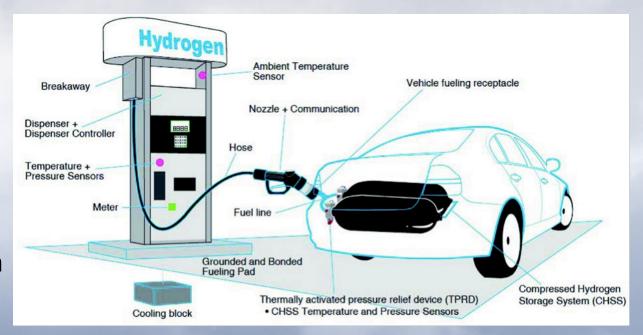


Interoperability:

- ✓ Technical Aspects& Economics
- √ Hazards & Risk
- ✓ Fueling Protocol Regulations:
- √ GTR13
- √ National

Certification:

- ✓ Dispenser Validation
- ✓ Fuel Quality & Control
- ✓ Metrology



PHE

RCSS Working Group

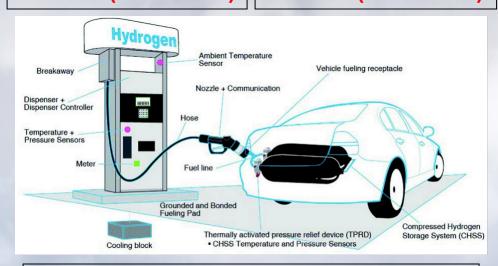
FCEV safety depends on dispenser operation and station controls!

ISO/TC 197 Work Program Update



Fuel Quality ISO 14687 Rev → FDIS (Pub. 2019)

Electrolysers ISO 22734 Rev → FDIS (Pub. 2019)



Storage Technologies

GH₂ Ground Storage ISO 19884 → FDIS (Pub. 2019)
Me-Hy Portable Storage
ISO 16111 Rev → Published in 2018

Vehicle Components

Fueling Connectors
ISO 17268 Rev → FDIS (Pub.
2019), cont. work on H70HF (HD)
On-board Storage
ISO 19881 → Published in 2018,
cont. to align with GTR13 Ph2
TPRD ISO 19882 → Pub. in 2018,
cont. to align with GTR13 Ph2

Fueling Family ISO 19880

- -1: HFS Gen'l Req'ts → FDIS (Pub. 2019)
- -2: Dispensers → DIS Restart
- -3: Valves → Published in 2018
- -4: Compressors → CD
- -5: Hoses → FDIS (Pub. 2019)
- -6: Fittings → CD
- -7: Fueling Protocols → NWIP?
- -8: Fuel QC → FDIS (Pub. 2019)