

Vehicles - System Design/Testing

Japanese Government Regulations Hydrogen Fuel Cell Vehicles (Japan)

GB/T 23645-2009 Test method of fuel cell power system for passenger car (China)

GB/T 25319-2010 Fuel Cell test system used for motor vehicles - Technical specification (China)

GB/T 28183-2011 Test methods of fuel cell power system for bus (China)

Vehicles - Safety

SAE J1766 Recommended Practice for Electric and Hybrid Electric Vehicle Battery Systems Crash Integrity Testing (United States & Other Locales)

SAE J2990/1- Hydrogen and Fuel Cell Vehicle First and Second Responder Recommended Practice (United States)

SAE J2578 Recommended Practice for General Fuel Cell Vehicle Safety (United States & Other Locales)

ISO 6469-1 Electrically propelled road vehicles – Safety specifications – Part 1: On-board rechargeable energy storage systems (RESS) (International)

ISO 6469-2 Electrically propelled road vehicles – Safety specifications – Part 2: Vehicle operational safety means and protection against failures (International)

ISO 6469-3:2011 Electrically propelled road vehicles – Safety specifications – Part 3: Protection of persons against electric shock (International)

ISO 6469-4:2015 Electrically propelled road vehicles – Safety specifications – Part 4: Post crash electrical safety requirements (International)

ISO 23273:2013 Fuel Cell Road Vehicle – Safety specifications - Protection against hydrogen hazards for vehicles fueled with compressed hydrogen (International)

KS R ISO 23273-1 Fuel cell road vehicles- Safety specification - Part 1: Vehicle functional safety (Korea)

KS R ISO 23273-2 Fuel cell road vehicles- Safety specification - Part 2: Protection against hydrogen hazard for vehicles fuelled with compressed hydrogen (Korea)

KS R ISO 23273-3 Fuel cell road vehicles- Safety specification - Part 3: Protection of persons against electric shock (Korea)

CNS 15499-1 Electrically propelled road vehicles – Safety specifications Part 1: On-board rechargeable energy storage systems (RESS) (Taiwan)

CNS 15499-2 Electrically propelled road vehicles – Safety specifications Part 2: Vehicle operational safety means and protection against failure (Taiwan)

CNS 15499-3 Electrically propelled road vehicles – Safety specifications Part 3: Protection of persons against electric shock (Taiwan)

Vehicles - System Design/Testing

European Integrated Hydrogen Project (EIHP) - Work Package 4 Vehicles (European Union)

United Nations Working Party 29 Global Technical Regulations (GTR) on Pollution and the Environment Hydrogen Vehicles (International)

20130682-T-604 Proton exchange membrane fuel cell module for road vehicle (China)

Vehicles - Safety

European Integrated Hydrogen Project (EIHP) - Work Package 5 Safety (European Union)

China Safety Requirements for Fuel Cell Vehicles (China)

Vehicles - Performance - efficiency, emissions, durability

[SAE J2572](#) Recommended Practice for Measuring the Exhaust Emissions, Energy Consumption and Range of Fuel Cell Powered Electric Vehicles Using Compressed Hydrogen (United States & Other Locales)

[ISO 23828:2013](#) Fuel Cell Road Vehicle- Energy Consumption Measurement Part 1: Vehicles fuelled with compressed hydrogen (International)

[ISO/TR 11954](#) Fuel Cell Road Vehicles- Road Maximum Speed Measurement (International)

Vehicles - Terminology

[SAE J2754](#) Fuel Cell Electric Vehicle Terminology (United States & Other Locales)

[SAE J2760 - TIR](#) Pressure Terminology Used in Fuel Cells and Other Hydrogen Vehicle Applications (United States & Other Locales)

[ISO/TR 8713:2012](#) Electrically propelled road vehicles – Vocabulary (International)

Vehicles - Hydrogen Sensors

Vehicles - Fuel Systems

[CSA America HGV3.1](#) Fuel System Components for Hydrogen Gas Powered Vehicles (United States)

[NFPA 52](#) Vehicle Fuel System Code (United States)

[SAE J2579](#) Standard for Fuel Systems in Fuel Cell and Other Hydrogen Vehicles (United States & Other Locales)

[CGA Publication PS31](#) Cleanliness for PEM Hydrogen Piping / Components (United States)

[EC No.79/2009](#) Type-approval of hydrogen-powered motor vehicles (European Union)

[ISO 12619-1 Road vehicles](#) – Compressed gaseous hydrogen and hydrogen/methane blends fuel components Part 1: General requirements and definitions (International)

[ISO 12619-2 Road vehicles](#) – Compressed gaseous hydrogen and hydrogen/methane blends fuel components Part 2: Performance and general test methods (International)

[ISO 12619-3 Road vehicles](#) – Compressed gaseous hydrogen and hydrogen/methane blends fuel components Part 3: Pressure regulator (International)

Fuel Cells - System Design/Testing

Fuel Cells - Performance - efficiency, emissions, durability

[SAE J2615](#) Performance Test Procedure for Fuel Cell

Vehicles - Performance - efficiency, emissions, durability

Vehicles - Terminology

[China](#) Glossary for Fuel Cell Vehicles (China)

Vehicles - Hydrogen Sensors

[SAE J 3089](#) Technical Information Report (TIR) for Vehicular Hydrogen Sensor Test Method (United States)

Vehicles - Fuel Systems

Fuel Cells - System Design/Testing

Fuel Cells - Performance - efficiency, emissions, durability

Systems for Automotive Applications (United States & Other Locales)

SAE 2617 Performance Test Procedure of PEM Fuel Cell Stack Subsystem for Automotive Application (United States & Other Locales)

Fuel Cells - Recyclability

SAE J2594 Design for Recycling Proton Exchange Membrane (PEM) Fuel Cell Systems (United States & Other Locales)

Fuel Processors - Performance

SAE J2616 Performance Test Procedure of Fuel Processing Subsystem for Automotive Applications (United States & Other Locales)

Fuel Tanks

ISO 13985 Liquid Hydrogen - Land Vehicle Fuel Tanks (International)

ISO TC197 Working Group 6 / ISO/TS 15869 Gaseous Hydrogen Blends & Hydrogen Fuels: Land Vehicle Fuel Tanks (International)

CSA America HGV2 Standards for Hydrogen Vehicle Fuel Containers (United States)

CSA America HPRD1 Basic Requirements for Pressure Relief Devices for Compressed Hydrogen Vehicle Fuel Containers (United States)

CGA Publication C6.4 Methods for External Visual Inspection of Natural Gas Vehicle (NGV) and Hydrogen Vehicle (HV) Fuel Containers and Their Installation (United States)

EC No.79/2009 Type-approval of hydrogen-powered motor vehicles (European Union)

KS B ISO 13985 Liquid hydrogen - Land vehicle fuel tanks (Korea)

Refueling / Dispensing Connections

SAE J2600 Compressed Hydrogen Vehicle Fueling Connection Devices (United States & Other Locales)

SAE J2601 Fueling Protocols for Light Duty Gaseous Hydrogen Surface Vehicles (United States & Other Locales)

SAE J 2601/2 Fueling Protocols for Heavy Duty Gaseous Hydrogen Surface Vehicles (buses) (United States & Other Locales)

ISO 17268 Gaseous Hydrogen Land Vehicle Refueling Connection Devices (International)

SAE J2799 70 MPa Compressed Hydrogen Surface Vehicle Refueling Connection Device & Optional Vehicle to Station Communication (United States & Other Locales)

EC No.79/2009 Type-approval of hydrogen-powered motor vehicles (European Union)

KS B ISO 13984 Liquid hydrogen - Land vehicle fueling system interface (Korea)

KS B ISO 17268 Compressed hydrogen surface vehicle

Fuel Cells - Recyclability

Fuel Processors - Performance

Fuel Tanks

CNS xxxxx Gaseous Hydrogen Blends & Hydrogen Fuels - Land Vehicles Fuel Tanks (Taiwan)

CNS xxxxx Liquid Hydrogen, Land Vehicle Fuel Tanks (Taiwan)

Refueling / Dispensing Connections

European Integrated Hydrogen Project (EIHP) - Work Package 3 Refueling Interface (European Union)

SAE J 2601/4 Ambient Temperature Fixed Orifice Fueling (United States & Other Locales)

[KSD ISO 17200](#) Compressed hydrogen surface vehicle refueling connection devices (Korea)

Fuel Specifications

[SAE J2719](#) Hydrogen Fuel Quality for Fuel Cell Vehicles (United States & Other Locales)

[ISO 14687-2](#) Hydrogen Fuel - Product Specification, Part 2: PEM fuel cell applications for road vehicles (International)

[State of California Regulations](#) Hydrogen Fuel Standard (California)

Fuel Specifications

[ASTM WK21162](#) Standard Test Method for the Characterization of Particles from Hydrogen Fuel Streams by Scanning Electron Microscope (United States)

[ASTM WK21597](#) Microscopic Measurement of Particulates in Hydrogen Fuel (United States)

[ASTM WK21611](#) Gravimetric Measurement of Particulate Concentration in Hydrogen Fuel (United States)

[CEN/TC19](#) Expert Watch Group on Fuels for Fuel Cells (European Union)

[CNS Draft 1010243](#) Hydrogen Technologies – Product Specification – Part 2 – PEM Hydrogen Fuel for Road Vehicles (Taiwan)

[SAE J3075](#) Hydrogen System and Component Cleaning and Packaging (United States)