

This LAP examines: • The differences in the roadworthiness inspection, service and maintenance (process and requirements) for hydrogen L category vehicles compared to conventional vehicles, • The responsible authorities/independent bodies to carry out technical inspections • The requirements to operate a testing centre/service and maintenance company for hydrogen vehicles;

Is there a difference in the service and maintenance inspection (process and requirement) for a hydrogen vehicle compared to a conventional vehicle?

a - motorcycles (and bikes)

a - No regular inspection required

b - quadracycles If yes, please specify, e.g. what are the specific maintenance needs and service requirements for hydrogen vehicles?

b - No regular inspection required

Which vehicles are subject to technical inspections (roadworthiness tests)?

Not motorcycles or quadracycles

Is there a framework and if yes, what are the requirements to operate a testing, inspection and certification (service and maintenance) company for hydrogen vehicles? a) technical i. motorcycles (and bikes) ii. quadracycles b) legislative / certification i. motorcycles (and bikes) ii. quadracycles

a) technical i. motorcycles (and bikes) ii. Quadracycles – No inspection required ii. – N/A b) legislative / certification i. motorcycles (and bikes) ii. quadracycles – No inspection required

Which are the responsible authorities/independent bodies to carry out technical inspections?

a - motorcycles (and bikes)

a - No inspection required, but in general the inspection authority is the Finnish Transport and Communications Agency (Traficom)

b - quadracycles

b - No inspection required, but in general the inspection authority is the Finnish Transport and Communications Agency (Traficom)

Is it a barrier?: No

Assessment: Not a barrier

National Legislation

- **Laki ajoneuvojen katsastustoiminnasta 13.12.2013/957 / Law about inspection action on vehicles**
Motorcycles are not in this law. Only bigger vehicles.

EU Legislation

- **Directive 2014/45/EU of the European Parliament and of the Council of 3 April 2014 on periodic roadworthiness tests for motor vehicles and their trailers and repealing Directive 2009/40/EC Text with EEA relevance (with effect from 20 May 2018)**

This Directive establishes minimum requirements for a regime of periodic roadworthiness tests of vehicles used on public roads. This applies to vehicles with a design speed exceeding 25 km/h of the following categories: M1, M2 and M3 (passenger motor vehicles, N1, N2 and N3 (motor vehicles for the carriage of goods, O3 and O4 (trailers over 3,5 tonnes) L (two or three wheels over 125cm³).

Glossary

Service and maintenance

A motor vehicle service is a series of maintenance procedures carried out at a set time interval or after the vehicle has travelled a certain distance. The service intervals are specified by the vehicle manufacturer in a service schedule and some modern cars display the due date for the next service electronically on the instrument panel. Technical inspection (roadworthiness test) means an inspection designed to ensure that a vehicle is safe to be used on public roads and that it complies with required and mandatory safety and environmental characteristics.

Bikes, Motorcycles, Quadracycles

Hydrogen fuel cell vehicle means a vehicle powered by a fuel cell that converts chemical energy from hydrogen into electric energy, for propulsion of the vehicle. L-category vehicles comprise powered two-, three- and four-wheel vehicles, including powered cycles, two- and three-wheel mopeds, two- and three-wheel motorcycles, motorcycles with side-cars, light and heavy quadri-mobiles.