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Fuel cell road vehicles — Maximum speed measurement

Véhicules routiers à pile à combustible — Mesure de la vitesse maximale



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Foreword

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ISO/TR 11954 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 21, *Electrically propelled road vehicles*.

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Introduction

Fuel cell vehicles (FCV) include the following types:

- pure fuel cell vehicles (PFCV), in which the fuel cell system is the only on-board energy source for propulsion and auxiliary systems,
- fuel cell hybrid electric vehicles (FCHEV), in which the fuel cell system is integrated with an on-board rechargeable energy storage system (RESS) for electric energy supply to propulsion and auxiliary systems.

FCHEV design options include the following:

- a) externally chargeable or non-externally chargeable;
- b) rechargeable energy storage system (RESS): battery or capacitor;
- c) driver-selected operating modes: if FCHEV has no driver-selected operating mode, it has only an FCHEV mode.

Table 1 shows the classification of FCHEV.

Table 1 — FCHEV classification

	Chargeability	Operating mode
FCHEV	externally chargeable	FCHEV mode
		EV mode
	non-externally chargeable	FCHEV mode
		EV mode

This Technical Report is applicable to PFCV and to non-externally chargeable FCHEV with FCHEV mode only (see shaded boxes in Table 1).