1. **MEDC 9 (3511) NWI/ ISO 6469-2**

**Title:** Electrically propelled road vehicles Safety specifications Part 2: Vehicle operational safety

**Scope:** This document specifies requirements for operational safety specific to electrically propelled road vehicles, for the protection of persons inside and outside the vehicle. Relevant requirements for motorcycles and mopeds are outside the scope of this document, they are described in the ISO 13063 series. This document does not provide comprehensive safety information for manufacturing, maintenance, and repair personnel. This document does not consider specific aspects of driving automation features.

NOTE 1 For the definition of the term “driving automation features”, see SAE J3016. EMC is not covered by this document.

NOTE 2 For EMC see ISO 11451 and IEC 61851-21-1.

1. **MEDC 9 (3512) NWI/ ISO 17268**

**Title:** Gaseous hydrogen land vehicle refuelling connection devices

**Scope:** Thisdocement defines the design, safety and operation characteristics of gaseous hydrogen land vehicle (GHLV) refuelling connectors. GHLV refuelling connectors consist of the following components, as applicable: — receptacle and protective cap (mounted on vehicle); — nozzle; — communication hardware. This document is applicable to refuelling connectors which have nominal working pressures or hydrogen service levels up to 70 MPa. This document is not applicable to refuelling connectors dispensing blends of hydrogen with natural gas

1. **MEDC 9 (3513) NWI/ ISO 19882**

**Title:** Gaseous hydrogen Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers

**Scope:** This document establishes minimum requirements for pressure relief devices intended for use on hydrogen fuelled vehicle fuel containers that comply with ISO 19881, IEC 62282-4-101, ANSI HGV 2, CSA B51 Part 2, EC79/EU406, SAE J2579, or the UN GTR No. 13. The scope of this document is limited to thermally activated pressure relief devices installed on fuel containers used with fuel cell grade hydrogen according to SAE J2719 or ISO 14687 for fuel cell land vehicles, and Grade A or better hydrogen according to ISO 14687 for internal combustion engine land vehicles. This document also contains requirements for thermally activated pressure relief devices acceptable for use on-board light duty vehicles, heavy duty vehicles and industrial powered trucks such as forklifts and other material handling vehicles, as it pertains to UN GTR No. 13. Pressure relief devices designed to comply with this document are intended to be used with high quality hydrogen fuel such as fuel complying with SAE J2719 or ISO 14687 Type 1 Grade D. Pressure relief devices can be of any design or manufacturing method that meets the requirements of this document. This document does not apply to reseating, resealing, or pressure activated devices. Documents which apply to hydrogen fuel vehicles and hydrogen fuel subsystems include IEC 62282- 4- 101, SAE J2578 and SAE J2579. Annex A presents an informative record of recommended fuel container, fuel storage subsystem and vehicle level requirements. The statements in Annex A are intended as recommendations for consideration of inclusion by the organizations and committees developing standards on these sub system and vehicle level standards. Annex B presents a rationale for the design qualification tests in this document

1. **MEDC 9 (3514) NWI/ ISO 23273**

**Title:** Fuel cell road vehicles Safety specifications Protection against hydrogen hazards for vehicles fuelled with compressed hydrogen

**Scope:** This International Standard specifies the essential requirements for fuel cell vehicles (FCV) with respect to the protection of persons and the environment inside and outside the vehicle against hydrogenrelated hazards. It applies only to such FCV where compressed hydrogen is used as fuel for the fuel cell system. The requirements of this International Standard address both normal operating (fault-free) and singlefault conditions of the vehicle

1. **MEDC 9 (3515) NWI/ ISO 19881**

**Title:** Gaseous hydrogen Land vehicle fuel containers

**Scope:** This document contains requirements for the material, design, manufacture, marking and testing of serially produced, refillable containers intended only for the storage of compressed hydrogen gas for land vehicle operation. These containers a) are permanently attached to the vehicle, b) have a capacity of up to 1 000 l water capacity, and c) have a nominal working pressure that does not exceed 70 MPa. The scope of this document is limited to fuel containers containing fuel cell grade hydrogen according to ISO 14687 for fuel cell land vehicles and Grade A or better hydrogen as per ISO 14687 for internal combustion engine land vehicles. This document also contains requirements for hydrogen fuel containers acceptable for use on-board light duty vehicles, heavy duty vehicles and industrial powered trucks such as forklifts and other material handling vehicles.