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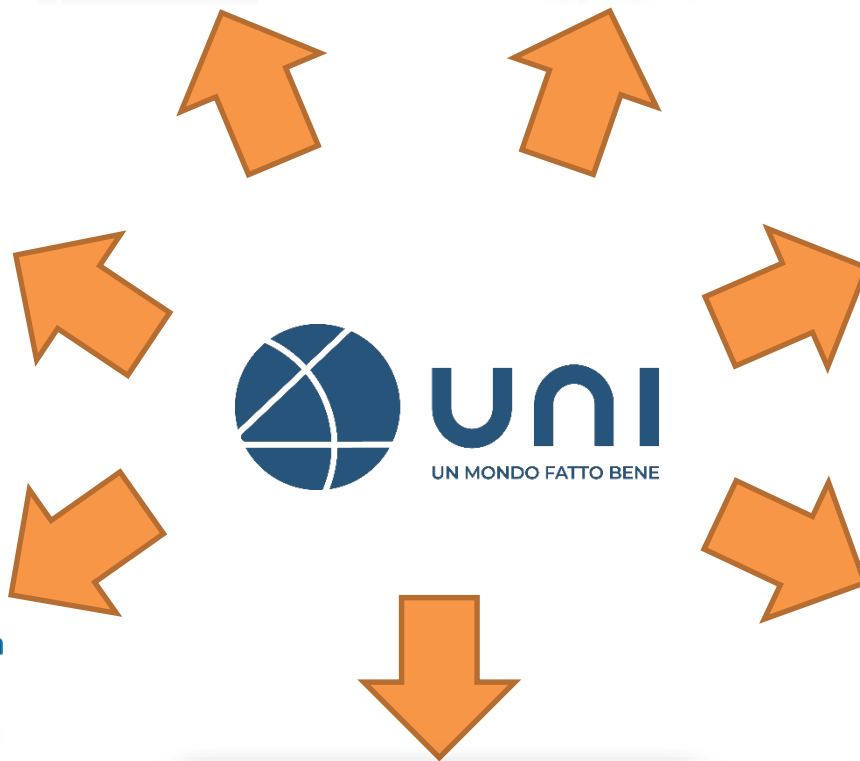
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CUNA - Commissione Tecnica di Unificazione nell'Autoveicolo

AVAILABLE DOCUMENTS ON THE RECYCLING OF AUTOMOTIVE ELECTRONIC COMPONENTS

SUMMARY:

- **Framework of European Standards (CEN)**
- **Framework of International Standards (ISO)**

CEN/TC 301 – Road vehicles:

CEN/TC 301/WG 18 Electric vehicles batteries

CEN/TC 301/WG 18 Work programme

Project reference	Status	Initial Date	Current Stage	Next Stage	Forecasted voting date
(WI=00301085) Road vehicles -- Rechargeable batteries with internal energy storage -- Instantaneous performance of Li-Ion, Pb, NiMH and combined chemistries electric vehicles modules and batteries	Under Drafting	2023-01-20	2023-01-20	2023-05-19	2024-11-01
(WI=00301087) Road vehicles - Electrically propelled vehicles - Steps, conditions and protocols for repurpose of modules and batteries originally designed for EV applications	Under Drafting	2023-01-20	2023-01-20	2023-05-19	2024-11-01
(WI=00301086) Road vehicles -- Electrically propelled vehicles -- Steps, conditions and protocols for the safe repair and re-use of modules and batteries originally designed for EV applications	Under Drafting	2023-01-20	2023-01-20	2023-05-19	2024-11-01

ISO TC/22 – Road Vehicle

Scope

All questions of standardization concerning compatibility, interchangeability and safety, with particular reference to terminology and test procedures (including the characteristics of instrumentation) for evaluating the performance of the following types of road vehicles and their equipment as defined in the relevant items of Article 1 of the convention on Road Traffic, Vienna in 1968 concluded under the auspices of the United Nations:

ISO TC/22 – ROAD VEHICLE

- **Mopeds (item m)**
- **Motor cycles (item n)**
- **Motor vehicles (item p)**
- **Trailers (item q)**
- **Semi-trailers (item r)**
- **Light trailers (item s)**
- **Combination vehicles (item t)**
- **Articulated vehicles (item u)**

ISO/TC 22/SC 32 - Electrical and electronic components and general system aspects

Scope

Electrical and electronic (E/E) components and cross-sectional specifications for E/E systems and components and includes:

- **Wiring harness (e.g cables, connectors, interconnections)**
- **Dedicated connectors (e.g trailer connectors, OBD-connector)**
- **Dedicated E/E components and parts (e.g. alternators, fuses, ignition equipment)**
- **EMC**
- **Environmental conditions**
- **Functional safety**
- **Cybersecurity**
- **Dedicated optical components**
- **Software update**

ISO/TC 22/SC 33 - Vehicle dynamics, chassis components and driving automation systems testing

Scope

Lateral, longitudinal and vertical vehicle dynamics and controls/ systems/ functions affecting vehicle dynamics, such as chassis components, wheels, steering, brakes and suspension. This includes automated driving, means and performance of collision avoidance and mitigation.

ISO 21750:2006 "Road vehicles — Safety enhancement in conjunction with tyre inflation pressure monitoring"

Abstract

Preview

ISO 21750:2006 deals with electronic Tyre Pressure Monitoring Systems (TPMS) for tubeless tyres in association or not with an Extended Mobility System with a reference pressure lower or equal to 375 kPa fitted in single formation on four wheeled vehicles. The systems are able to survey all tyres in use, but not necessarily those in temporary use, and provide information to the driver.

ISO 21750:2006 establishes overall performance guidelines for the systems and their components, independently of the physical principles and the technological solution which have been selected to monitor the tyre pressure to compute the difference to the requested level and to deliver a relevant information to the driver if the pressure of one, several or all tyres need corrective action for the intended service conditions.

ISO/TC 22/SC 37 - Electrically propelled vehicles

Scope

Specific aspects of electrically propelled road vehicles, electric propulsion systems, related components and their vehicle integration.

Standard and/or project under the direct responsibility of ISO/TC 22/SC 37 Secretariat

ISO/TC 22/SC 37/WG 3

Rechargeable energy storage

ISO/AWI 18006-1 - Electrically propelled road vehicles — Battery information — Part 1: Labelling and QR/bar code for specification, safety and sustainability

Introduction

As the effects of climate change attributable to greenhouse gases and other factors become more serious year after year, reducing environmental impact has become a pressing need worldwide, and the shift to EVs is accelerating. With the expansion of EVs, the types of industries that handle EV batteries are also increasing.

Being high-voltage and high-energy, EV batteries themselves must be handled with care. In addition, for the sake of a sustainable automobile society, EV batteries need to be reused or recycled after being used in EVs.

This standard is established for the purpose of enabling a wide range of users to retrieve necessary information easily and handle battery packs safely by providing standardized information on battery pack specifications, traceability and safe handling from OEMs or battery pack manufacturers. The information from OEMs or battery pack manufacturers is intended for repairers, dismantlers, carriers, secondary users, recyclers and industrial disposers.

Scope

This document specifies necessary information on the battery pack for the electrically propelled vehicles and how to install the information. The information is related to the traceability of the battery pack and includes the manufacturer, specification, safe handling, EOL, recycling, battery sustainability, and charge / discharge performance. Installation methods include labels, engraved marking, QR codes, and barcodes.

(ref. doc. ISO/TC22/SC37/WG3 N723)

ISO/AWI 18006-2 - Electrically propelled road vehicles — Battery information — Part 2: End of life

Scope

This document specifies the necessary information on the end of life of the battery pack for the electrically propelled vehicles. This document describes the information of dismantling from the vehicle, collection/recycling, material safety, and defective or damaged battery identification, and its provision method.

(ref. doc. ISO/TC22/SC37/WG3 N724)