

24 June 2014

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## **Agreement**

### **Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions\***

(Revision 2, including the amendments which entered into force on 16 October 1995)

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#### **Addendum 99 – Regulation No. 100**

#### **Revision 2 - Amendment 1**

Supplement 1 to the 02 series of amendments – Date of entry into force: 10 June 2014

#### **Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train**



**UNITED NATIONS**

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\* Former title of the Agreement: Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958.

*Table of contents,*

*List of Annexes,*

*Entry for Annex 6, amend to read:*

" 6

...

Part 2: ...

Part 3: Essential characteristics of road vehicles or systems with chassis connected to electrical circuits .....

*Text of the Regulation,*

*Paragraph 2.20., amend to read:*

"2.20. "High voltage bus" means the electrical circuit, including the coupling system for charging the REESS that operates on high voltage.

Where electrical circuits, that are galvanically connected to each other, are galvanically connected to the electrical chassis and the maximum voltage between any live part and the electrical chassis or any exposed conductive part is  $\leq 30$  V AC and  $\leq 60$  V DC, only the components or parts of the electric circuit that operate on high voltage are classified as a high voltage bus."

*Insert a new paragraph 2.39., to read:*

"2.39. "Chassis connected to the electric circuit" means AC and DC electric circuits galvanically connected to the electrical chassis."

*Paragraph 5.1.3., amend to read:*

"5.1.3. Isolation resistance

This paragraph shall not apply to chassis connected electrical circuits where the maximum voltage between any live part and the electrical chassis or any exposed conductive part does not exceed 30V AC (rms) or 60 V DC."

*Insert new Part 3, to read:*

## "Annex 6 - Part 3

### **Essential characteristics of road vehicles or systems with chassis connected to electrical circuits**

1. General
- 1.1. Make (trade name of manufacturer):.....
- 1.2. Type: .....
- 1.3. Vehicle category: .....
- 1.4. Commercial name(s) if available: .....
- 1.5. Manufacturer's name and address: .....

- 1.6. If applicable, name and address of manufacturer's representative: .....
- 1.7. Drawing and/or photograph of the vehicle:.....
- 1.8. Approval number of the REESS: .....
2. REESS
  - 2.1. Trade name and mark of the REESS: .....
  - 2.2. The cell chemistry:.....
  - 2.3. Electrical specification:
    - 2.3.1. Nominal voltage (V): .....
    - 2.3.2. Capacity (Ah):.....
    - 2.3.3. Maximum current (A): .....
  - 2.4. Gas combination rate (in per cent): .....
  - 2.5. Description or drawing(s) or picture(s) of the installation of the REESS in the vehicle:.....
3. Additional data
  - 3.1. Working voltage (V) AC circuit: .....
  - 3.2. Working voltage (V) DC circuit: ....."

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