

## **Draft amendments to Mutual Resolution M.R.1, Addendum2 (specifications of WorldSID 50<sup>th</sup> male side impact dummy) - ECE/TRANS/WP.29/1101/Amend.1**

### **Submitted by the expert from OICA**

The text reproduced below was prepared by the expert from OICA to update the references to the ISO standards in Mutual Resolution 1 (M.R.1), Addendum 2 (document ECE/TRANS/WP.29/1101/Amend.1).

## **I. Proposal**

### **Mutual Resolution M.R.1, Addendum 2**

*Paragraph 1.1.*, amend to read:

"1.1. This Addendum provides the specifications for the WorldSID 50th percentile adult male anthropomorphic test device (WorldSID 50th male) to be used for testing of road vehicles for side impact occupant protection. Detailed specifications for the design, certification and assembly/disassembly of the WorldSID 50th male have been published by the International Organization for Standardization (ISO) under the reference ISO 15830:2013 **or ISO 15830:2013 as amended by ISO/TS 15830-5: 2017**. It is the intention for the relevant specifications to be incorporated within this Addendum at the earliest opportunity."

*Paragraph 1.3.*, amend to read:

"1.3. Until such time as the relevant specifications are incorporated within this Addendum, the WorldSID 50th male to be used for regulatory testing in accordance with the above mentioned Regulations shall be assembled and certified in accordance with the requirements of ISO 15830:2013 **or ISO 15830:2013 as amended by ISO/TS 15830-5: 2017** for the dummy fitted with two half arms."

## **II. Justification**

1. The WorldSID dummy is standardised in ISO 15830 Parts 1, 2, 3 and 4. The reference to the WorldSID in UN Regulation 135 on Pole Side Impact is defined in document ECE/TRANS/WP.29/1101 - Amend.1 (Mutual Resolution No. 1 - M.R.1).
  2. Unfortunately some other regulations resulted in the need to use some new materials for the dummy, compared to the previous build Level E.
  3. As a result, the latest (build Level F) version of the dummy does not fulfil the certification corridors as defined in ISO 15830 part 2. Consequently, ISO is developing a new part 5 – see ISO/TS 15830-5: 2017.
  3. Since the latest dummies do not fulfil the standardised certification corridors anymore, OICA proposes to amend M.R.1 accordingly.
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