

Draft amendments to Mutual Resolution M.R.1, Addendum 2 (specifications of WorldSID 50th 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 (WorldSID) - ECE/TRANS/WP.29/1101/Amend.1/Add.1 (ECE/TRANS/WP.29/2018/36)

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 **or**
- **ISO 15830:2013 as amended by ISO/TS 15830-5: 2018 or**
- **ISO 15830:2022.**

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 **or**
- **ISO 15830:2013 as amended by ISO/TS 15830-5: 2018 or**
- **ISO 15830:2022.**

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. Change 1: Unfortunately the ISO/TS 15830:2017 has some errors. Because of this ISO created an updated 2nd version in 2018: ISO/TS 15830:2018. This version replaces the 1st edition. The main changes compared to the previous edition are as follows:
 - an error in the specification for peak shoulder rib deflection has been corrected in Table 5;
 - part numbers of items 13 through 19 were corrected in Table 15; and
 - the part number of item 12 was corrected in Table 16.To use the correct version of ISO 15830: part 5 OICA proposes to amend M.R.1 accordingly.
 3. Change 2: The ISO standard process defined a regular technically revised of standards. The ISO 15830:2013 is now completed reviewed: parts 1 - 4 are public in 2022.
To use the current version of ISO 15830 OICA proposes to amend M.R.1 accordingly.
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