



**Informal document N° 8**  
*(32<sup>nd</sup> GRSP, 10-13 December 2002  
agenda item B.2)*

## **ISOFIX – AMENDMENTS TO REGULATION 14**

### ***OICA contribution to document TRANS/WP29/GRSP/2001/14/Rev.2***

**Paragraph 5.2.2.1**, amend to read:

"5.2.2.1 ... Consequently such anchorages ... for type approval and shall be supported so as to extend from the adjacent vehicle or seat structure."

#### **Justification**

It is understood that the last sentence of the existing paragraph 5.2.2.1 applies only to "retrofit" anchorages. The above OICA proposal consequently clarifies this purpose.

**Paragraph 5.2.3.2**, amend to read:

"5.2.3.2 Any ISOFIX anchorages ... 120 mm behind the design H-point as determined ..."

#### **Justification**

OICA believes that the use of the design H-point will facilitate both design/development and approval testing.

**Paragraph 5.2.3.6**, replace by:

"5.2.3.6 Each ISOFIX low anchorage bar (when deployed for use) or each guidance device (when installed) shall be visible, without the compression of the seat cushion or seat back, when the bar or the guidance device is viewed, in a vertical longitudinal plane passing through the centre of the bar or of the guidance device, along a line making an upward angle of 30 degrees with a horizontal plane.

As an alternative to the above requirement, the vehicle shall be permanently marked adjacent to each bar or guidance device. This marking shall consist in one of the following, at the choice of the manufacturer.

5.2.3.6.1 As a minimum, the symbol of Annex 9, Figure 12 consisting of a circle with a diameter of minimum 13 mm and containing a pictogram, meeting the following conditions:

- (a) the pictogram shall contrast with the background of the circle;
- (b) the pictogram shall be located close to each bar of the system;

5.2.3.6.2 The word "ISOFIX" in capital letters of at least 6 mm height."

**Add, in Annex 9, a new Figure 12** as follows:



Notes:

1. Drawing not to scale.
2. Symbol may be shown in mirror image.
3. Colour of the symbol at choice of manufacturer.

**Figure 12 — ISOFIX low Anchorage Symbol**

**Justification**

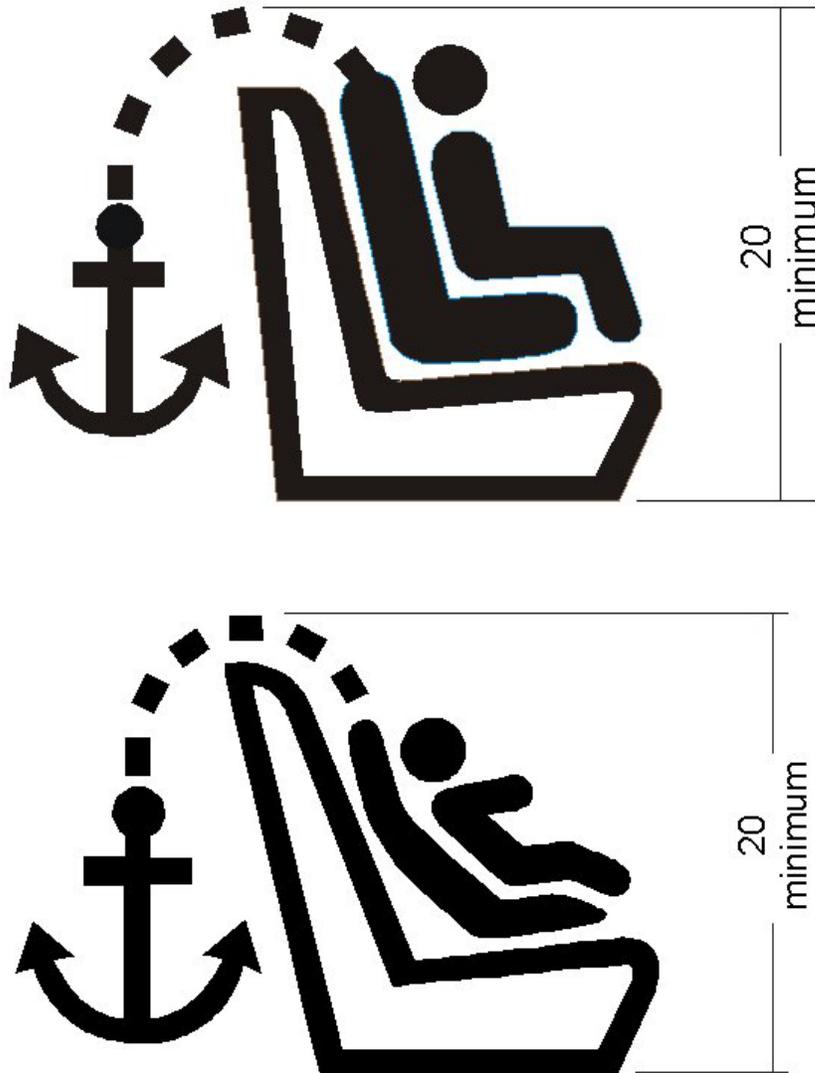
At the last GRSP ad hoc meeting, OICA was requested to prepare a proposal on conspicuity/identification of the ISOFIX low anchorages. This OICA proposal is based on the existing Canadian (CMVSS 210.2) and US (FMVSS 225) requirements as follows:

- Both CMVSS 210.2 and FMVSS 225 require visibility or marking (no pictogram described in FMVSS 225), at the choice of the manufacturer.
- Only CMVSS 210.2 specifies the type of symbol which must be used.
- OICA further suggests to allow the use of the word "ISOFIX", as an alternative to the pictogram.

**Paragraph 5.2.4.4**, amend to read:

"5.2.4.4. The ISOFIX top tether anchorage shall have ... Figure 3. Clearance shall ... to it. For each ISOFIX top tether anchorage under a cover, the cover shall be identified by for example one of the symbols or the mirror image of one of the symbols set out in Figure 13 of Annex 9; the cover shall be removable without the use of tools."

**Add, in Annex 9, a new Figure 13, as follows:**



**Notes**

1. Dimensions in mm
2. Drawing not to scale
3. Symbol may be embossed
4. Colour of the symbol is at the option of the manufacturer

**Figure 13 — Symbol Used to Identify the Location of a Top Tether Anchorage that is under a Cover**

***Justification***

At the last GRSP ad hoc meeting, OICA was requested to prepare a proposal on the marking/identification of the top tether anchorage on the vehicle. The above proposal (para. 5.2.4.4 and Figure 12) was taken from the Canadian Motor Vehicle Safety Regulation 210.1.

**Paragraph 5.3.10.6**

"5.3.10.6 Notwithstanding the provision of the paragraph 5.3.10.1, convertible vehicles as defined in Annex 7, paragraph 8.1 of the Consolidated Resolution on the Construction of Vehicles (R.E.3)<sup>2/</sup> with more than one seat row shall be fitted with at least two ISOFIX low anchorages. In case where an ISOFIX top tether anchorage is provided on such vehicles, it shall comply with the suitable provisions of this Regulation.

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<sup>2/</sup> Document TRANS/WP29/78/Rev.1/Amend.2"

**Justification**

At the 10-11 September 2002 meeting of the GRSP ad hoc group, it was agreed that convertibles would only need to be equipped with lower ISOFIX anchorages at one seating position. OICA was requested to provide the necessary text as well as a proposed definition of convertibles.

The Consolidated Resolution R.E.3 specifies in its Annex 7, item 8.1 that convertibles are defined as per ISO 3833:1977, term 3.1.1.6. For information, ISO 3833:1977, term 3.1.1.6 is quoted below:

*"Convertible (open tourer) (roadster) (spider)*

*Body: Openable.*

*Hood/Roof: The roof, soft or rigid, has at least 2 positions: in the first one it covers the body; in the second one it is retracted.*

*Accommodation: 2 or more seats in at least 1 row.*

*Doors: 2 or 4 side doors.*

*Windows: 2 or more side windows."*

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