Overview on Amendments for ECE Regulation No. 14 and ECE Regulation No. 16
Vehicle related requirements for \(i\)-Size CRS

ECE R14 draft amendments:

- Definition of “\(i\)-Size seating position”
- Determination of vehicle floor contact surface
- Performance requirements and test procedure
- “\(i\)-Size seating position” markings
Vehicle related requirements for \textit{i-Size} CRS

Definition of “i-Size seating position”:

Ensure installation of

- R2 envelope
- F2X envelope
- Support leg installation assessment volume
- Top tether
Vehicle related requirements for i-Size CRS

Determination of the vehicle floor contact surface
Vehicle related requirements for $i$-Size CRS

Test tool: Modified SFAD ($\text{SFAD}_{\text{SL}}$)

Example for an $\text{SFAD}_{\text{SL}}$

Note: Dimensions for support leg foot are binding (width = 80mm, diameter = 30mm)
Vehicle related requirements for i-Size CRS

Test procedure using SFAD_{SL}:

F = 8 \text{kN} \pm 0,25 \text{kN}

max. 125mm

Point X

Note: Procedure is identical to the one used for combined top tether & lower anchorage system testing.

Idea is to not differentiate between anti-rotation devices:
Same purpose – same performance requirement!

Complete vehicle floor contact surface shall comply!
Vehicle related requirements for i-Size CRS

“i-Size seating position” Marking:

- Concept of having a mandatory marking for “i-Size seating positions”
- Use one specific symbol for i-Size indication (to be identical for CRS and vehicle)
- Label shall contain no text
- Marking size for seating positions shall remain (min. Ø 13mm)

i-Size marking: OICA draft proposal
Vehicle related requirements for  

ECE R16 draft amendments:

- Geometrical assessment procedure for “i-Size seating positions” (F2X, R2, support leg installation assessment volume)

- Vehicle handbook information, e.g. installation table
Vehicle related requirements for $i$-Size CRS

Definition of the support leg installation assessment volume
Vehicle related requirements for \textit{i}-Size CRS

Vehicle owner’s manual installation instructions & information:

Vehicle manufacturer to provide information on i-Size CRS installation ("i-Size seating positions") and additional information e.g. in case of limitations for front seat adjustment, etc. in the owner’s manual

<table>
<thead>
<tr>
<th>i-Size Child Restraint Systems</th>
<th>Seating position</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Front Passenger Outboard</td>
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</table>

Key of letters to be inserted in the above table:

- \textit{i-U} = Suitable for \textit{i}-Size "universal" Child Restraint Systems (forward and rearward facing).
- \textit{i-UF} = Suitable for forward-facing \textit{i}-Size "universal" Child Restraint Systems only.
- \textit{X} = Seating position not suitable for \textit{i}-Size "universal" Child Restraint Systems.

Note: Orientation is normal driving direction; columns for seating positions not available in a vehicle can be deleted.

Example for information to be provided