OICA proposal for « universal booster seating position » within the R129 regulation
Both to fit **Universal Booster Seat Gabarit**

- **Fits all Vehicles**
  - UN R14: minimal width between buckles = **350 mm**
  - 5% female hip width: **300-315 mm**

Even without the ISOFIX links connected, the width of the ISO gabarit interferes with vehicle dimensions.

*This concept will not work out as long as **Universal Booster Seat Gabarit** is not fitting into the car dimensions! Safety **Belt Routing** is also not solved.*
Booster Cushion

Head position of the child => 5% female

Universal: Side impact sufficiently done by vehicle lateral protection system

Vehicle Specific only: Side impact to be done by CRS manufacturer in cooperation with OEM Protection within specific Vehicle must be checked

Head position < 5% female

5% female ≈ 770 mm seating height

Booster Seat

Child size <= 120 cm
Q6 Seated

Universal: Side impact to be done by CRS manufacturer Bench Test

Vehicle Specific: Side impact to be done by CRS manufacturer [vehicle specific by intend or by not fitting universal booster seat gabarit]

Child size > 120 cm
Q10 Seated

Vehicle Specific only: Side impact to be done by CRS manufacturer Compatibility with specific Vehicle must be checked

Universal: ISO Universal Booster Seat Gabarit height has to be for <= 120 cm child size, which means <= 770 mm height.
### Height & width of the ISO booster seat gabarit

<table>
<thead>
<tr>
<th>Q6</th>
<th>Height (cm)</th>
<th>Sitting height (cm) 95%</th>
<th>Hip width (cm) 95%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q6</td>
<td>105</td>
<td>61.8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120</td>
<td>68.1</td>
<td></td>
</tr>
</tbody>
</table>

**Proposal:**

- **Maximum height:**
  - Q6: 125 cm
  - Sitting height (cm) ± 9 mm:
    - Q6: 60.1 cm
    - Q10: 74.8 cm
    - AF5: 78.5 cm
  - Iso booster: 80 cm

**The small woman is seated inside the ISO gabarit!**

We propose Q6 stature seated a universal booster seat gabarit.