Development of Regulations 16 and 129

Packaging Assessment

OICA

GRSP ECRS 50th Informal Group – 18-19 March 2015
Geometry of the new booster fixture in comparison with the real life today: **compatibility issues**

1. **The width:**
   - head width
   - max (shoulders) width
   - hip width (for buckling)

2. **The height:**
   - accepted without ISOFIX links
   - child’s head <= 50% male’s head
Maximum width of the fixture is too big?

Currently: no universal booster fixture is defined.

In future: maximum width could become 520mm
=> 3 fixtures will not fit in most family cars.
Front view + side view: Galaxy

These are 440 mm ISO gabarits
Which vehicles have the room for 3 Universal Booster Gabarits in 2nd Row?

3 Boosters
Total width
3 x 520 mm
= 1560 mm
# Examples: Current Vehicles

<table>
<thead>
<tr>
<th>Car Segment</th>
<th>Shoulder Width</th>
<th>Hip Width</th>
<th>Width between Armrests</th>
<th>3 Universal Gabarit = 1200 mm between armrests</th>
<th>3 ISOFIX (A to E) = 1320 mm between armrest</th>
<th>3 Universal Booster Seat Fixtures = 1560 mm between armrests</th>
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<tbody>
<tr>
<td>Small</td>
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<td>Medium</td>
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<td>Family + MPV</td>
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<td>Large Vans (9 seats)</td>
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Comparison of one of the proposed ISO booster gabarit with R16 universal gabarit

⇒ Too wide
⇒ ISOFIX not needed
Proposal: smaller gabarit

⇒ max width = 440mm
with buckling access
Thank you!