



**C L E P A**  
*European Association of  
Automotive Suppliers*

# CLEPA analysis Future i-Size approval possibilities

**FOR IG CONSIDERATION**

**26 Feb 2013.**



# i-Size text

- *5.2 “A type of Child Restraint System approved according to this regulation shall not bear another approval mark according to R44.”*

## **Question to the group:**

- How should “type” be interpreted?
- Does this mean that one CRS, identical in shape, form and name, shall not bear both an R44 and i-Size label?
- How different should 2 CRS be, to be allowed to have differs in size, form or name between the?



# Existing R44 product

## Possible



Name = XYZ

- A seat meeting all req's of R44

2 physically  
different  
seats !



Seats are  
different by  
name.

Definition: To  
identify this  
situation, you  
need to buy 2  
products.



Name = ABC

- A seat meeting all req's of i-Size



# Existing R44 product

**Not Possible** “dual approval”

1 seat,  
containing  
2 labels on  
the same  
physical  
product.



Definition: To  
identify this  
situation, it's  
enough to have 1  
product at hand



# However

what do we think about combinations of  
babysshell with base?

3 possibilities of babysshell + base.

1. R44 babysshell + base = R44
2. R44 babysshell + base = i-Size
3. babysshell + base = i-Size



- A babyshell is quite different compared to a babyshell + base . (looks, mass, volume etc)
- Is this different enough, to be classified as a different “type” in the i-Size definition?

# 1. Hybrid



# 2. i-Size containing an R44 element



# 3. Full i-Size



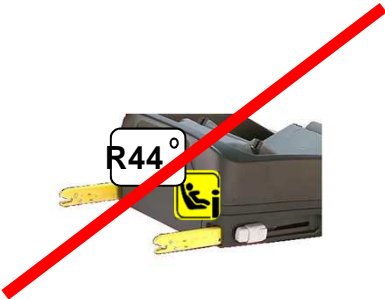
# Clepa Proposition

- Exclude 1. Hybrid
- Allow 3. Full i-Size (ofcourse)
- Allow 2. i-Size + R44 element

Besides current R44



## 1. Hybrid



## 2. i-Size + R44 element



## 3. Full i-Size



..including...







# Arguments for/against

## 1. Hybrid

- ☹️ **Is not as safe as 2 or 3 (e.g. no side impact).**
- ☹️ **2 approvals next to each other**
- ☹️ **Needs carfitting list**

**Not favoured by**  
**CLEPA**

## 2. i-Size + R44 element

- 😊 **more flexibility**
- 😊 **Allows safe transport, even if base is temporarily not present. (accidental, unplanned transport such as daycare, grandparents, babysit etc)**
- 😊 **Natural phase out when R44 approval for Gr0+ disappears (~2015/16?)**
- ☹️ **Conflicting user advise (mass/length)**

## 3. Full i-Size

- 😊 **best for safety and clearness of i-Size concept.**
- 😊 **No carfitting list**
- ☹️ **Chance of misuse (belt inst of babyshell) this Archetype is >20 years old; Consumer: “of course a belt can be used; I’ll figure it out”**

# Expected misuse; Pebble w.o. hooks

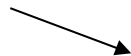




It's actually so "well" attached, that I can lean my 75kg's on it....




This foot  
was not on  
the floor!





# Impression of arrangement of approval marks

- Current Familyfix

- 1. Hybrid (not favoured)




<p>ECE R44-04 04443907</p> <p><b>E<sub>4</sub></b></p> <p>FamilyFix + CabrioFix Semi Universal</p> <p>IsoFix Class E 0-13 kg Nr. 12345678</p>	<p>ECE R44-04 04443906</p> <p><b>E<sub>4</sub></b></p> <p>FamilyFix + Pebble Semi Universal</p> <p>IsoFix Class E 0-13 kg Nr. 12345678</p>	<p>ECE R44-04 04443908</p> <p><b>E<sub>4</sub></b></p> <p>FamilyFix + Pearl Semi Universal</p> <p>IsoFix Class B1 9-18 kg Nr. 12345678</p>	<p>8 123456 789012</p> <p>12345678</p> <p>YY WW</p>  <p>Dorel Netherlands</p>
---	--	--	--

<p>ECE R44-04 04443906</p> <p><b>E<sub>4</sub></b></p> <p>FamilyFix + Pebble</p> <p>IsoFix Class E 0-13kg Nr. 12345678</p>	<p>ECE R131 04443908</p> <p> <b>E<sub>4</sub></b></p> <p>FamilyFix + Pearl</p> <p>IsoFix Class B1 85-105cm Nr. 12345678</p>	<p>8 123456 789012</p> <p>12345678</p> <p>YY WW</p>  <p>Dorel Netherlands</p>
--	--	--

- 2. i-Size+R44 component

- 3. Full i-Size

<p>ECE R131 04443906</p> <p> <b>E<sub>4</sub></b></p> <p>FamilyFix + Pebble</p> <p>IsoFix Class E 40-85cm Nr. 12345678</p>	<p>ECE R131 04443908</p> <p> <b>E<sub>4</sub></b></p> <p>FamilyFix + Pearl</p> <p>IsoFix Class B1 85-105cm Nr. 12345678</p>	<p>8 123456 789012</p> <p>12345678</p> <p>YY WW</p>  <p>Dorel Netherlands</p>	+	<p>ECE R44-04 04443908</p> <p><b>E<sub>4</sub></b></p> <p>Pebble Universal</p> <p>IsoFix Class B1 9-18 kg Nr. 12345678</p>
---	--	--	---	--

<p>ECE R131 04443906</p> <p> <b>E<sub>4</sub></b></p> <p>FamilyFix + Pebble</p> <p>IsoFix Class E 40-85cm Nr. 12345678</p>	<p>ECE R131 04443908</p> <p> <b>E<sub>4</sub></b></p> <p>FamilyFix + Pearl</p> <p>IsoFix Class B1 85-105cm Nr. 12345678</p>	<p>8 123456 789012</p> <p>12345678</p> <p>YY WW</p>  <p>Dorel Netherlands</p>
---	--	--