



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

Learning from the Phase III  
Workshop in Leipheim 8-9  
February : Proposals for  
preventing misuse

March 9, 2017.



# Objective

- Express the learnings from the workshop involving parents into proposal to be submitted for Phase III
- Addressing belt path (marking, icons ...)



# Preventing misuse

The belt path over a child installed in a booster seat should be clearly indicated on the product.

## **Proposal for adjustment of 4.6.1.**

For Non-Integral Enhanced Child Restraint System to be used in combination with an adult safety-belt to restrain the child, the correct webbing path [according to § 6.1.2.5.] shall be clearly marked on the product **and the correct path across the child's body** indicated by means of a drawing permanently attached to the Enhanced Child Restraint System.



# Preventing misuse

Belt installation of CRS is very sensitive for incorrect installation.

One of the most severe misuse problems appears when users switch the shoulder belt and lap belt, or forget to use the shoulder belt (by only using the lap belt).

Maximum effort should be done to point out the importance of the usage of lap belt and shoulder belt in the correct positions around the CRS

## **Proposal:**

- Allow only 1 belt path per integral CRS
- Use special icons to communicate the belt path for the shoulder belt and the belt path for the lap belt
- Use green to identify the belt path. Red is perceived as the colour for 'danger' and 'forbidden' Blue is also possible but green communicates 'safe' belt path.



# Preventing misuse

Icons to communicate the belt path for the shoulder belt and the lap belt

Icon to be positioned on top, or next to the belt guiding area for the shoulder belt, minimal dimension is  $\varnothing$  20 mm.



Icon to be positioned on top, or next to the belt guiding area for the lap belt, minimal dimension is  $\varnothing$  20 mm.



Small investigation proofs that users are more aware how to use the vehicle belt on a CRS, seeing these icons

R129 4.10. (g) The belt path of the shoulder and the lap belt of universal belted and specific vehicle belted seats shall be indicated with the specific icon for shoulder belt path and lap belt path, visible for the user close to the belt guiding area.



# Preventing misuse

Icons to communicate the belt path for the shoulder belt and the lap belt

Icon to be positioned on top, or next to the belt guiders for the Lap belt, minimal dimension is  $\varnothing$  20 mm.





# Preventing misuse

Icons to communicate the belt path for the shoulder belt and the lap belt

Icon to be positioned on top, or next to the belt guiders for the Lap belt, minimal dimension is  $\varnothing$  20 mm.





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Icons to communicate the belt path for the shoulder belt and the lap belt

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