

Submitted by the expert from France

[Informal document GRSP-57-22](#)
(57th GRSP, 18-22 May 2015,
agenda item 14)

GRSP / IWG-CRS

Status report for the fifty-seventh session (18-22 May 2015) of GRSP

3 meetings since last session of GRSP

- 21st January 2015 – Berlin (TAKATA)
- 18th & 19th March – Paris (OICA)
- 6th May – Paris (OICA)
- 18th June – Brussels (CLEPA)

Concrete achievements so far

- i-Size available up to 105 cm
 - Integral belts
 - Up to Q3
- Side impact protection
 - Fully incorporated
- 'Universal' plug-and-play approach
 - Achieved through R14 and R16 integration
- No forward facing transport up to 15 months of child age

Shortcomings phase 1

- Flexibility for infant carrier systems
 - Temporary fix to allow for seatbelt routing
- Certain measures still have more potential for improvement
 - Frontal impact pulse revision (update 1970's car fleet)
- Consideration of Shields as 'Integral ECRS'
 - Not authorised in phase 1

Main problems in Phase 2

- Address enhanced safety for children in cars on booster cushions without a backrest
- Geometric definition of the test fixture (gabarit) for booster seats with an integrated backrest
- Centre of CRS \neq centre of car seat
 - Due to potential size of 'gabarit'
- Q6 and Q10 reliability for testing
 - Acceptable solutions not expected before end of 2015
- Complexity of information to users in vehicle handbook
 - Due to number of classes, lack of universality

IWG CRS group reorientation

- Following last GRSP session EC and Germany have proposed different strategies for current and future phases:
 - [CRS-50-03e Richard DAMM](#)
 - [CRS-50-04e European Commission](#)

Germany proposal

- Introduce only non-integral i-Size ECRS as booster seats with an integrated backrest for children up to a stature of 135 cm in phase 2 of R129
- Booster cushions without a backrest are kept in R44 **at this stage**
- Propose for the interim a modification of the requirements for booster cushions without a backrest in R44 that prohibits their use for children with a stature below 125 cm
- This proposal will:
 - facilitate the discussion and decision in the IWG CRS
 - allow a short-term decision for phase 2 of R129
 - allow the time for discussion about booster cushions without a backrest
 - improve child safety for large children
- Proposal for Phases 3 (and 4)
 - Discuss strategy for the introduction of booster cushions without a backrest
 - Discuss strategy for the future of Regulation no. 44
 - Discuss promotion of installation of iSize and IsoFix in cars
 - Promote and expand concept and use of i-Size

EC proposal (1)

- How will we be successful to promote ISOFIX?
 - i-Size is the key
- Small car (Polo, Fiesta, C3, Clio, V40, ...)
 - 2x positions is acceptable
- Larger family car (S-max, Touran, XC90, ...)
 - 3x proposed gabarit side-by-side **NEVER FITS**
 - 3x side-by-side CRS **IS A MUST** for this type of cars
- Proposal
 - Create i-Size cars for i-Size products / **adapt cars and CRS**

EC proposal (2)

- Ease of use (plug & play)
 - **Extend the i-Size philosophy**
 - One size 'gabarit' fits all
- Avoiding misuse
 - Aim for plug & play solutions above to reduce the complexity of systems in the market
- Side impact & New dummies
 - Complete the analysis work
 - Make improvements where necessary
- **Make i-Size standard across the board**
 - Restrict the width of booster seat gabarit to 440 mm
 - Consistent with maximum width in Phase 1
 - Will fit 3-across larger family vehicles

IWG CRS decision (50th meeting)

- The group agrees to study the feasibility of reducing the width of the F4 gabarit to 440 mm in order to try achieve an i-size seating position able to receive all i-size ECRS from 0 cm to 135 cm (95%)
- If it is not feasible with current parameters, modification of conditions (energy, percentile, shoulder breadth, ...) could be proposed to achieve this goal.
- The extreme fall back solution should be to increase gradually the gabarit width between 440 mm and 520 mm
- First feed back in June 2015
- Dead line for decision on the feasibility is 1st week of September 2015

IWG CRS decision (50th meeting)

- Booster cushion
 - Keep the booster cushion for the time being in ECE R44.
 - Modify the ECE R44 to prohibit the use of booster cushion for children under 125 cm.

Conclusion

- IWG CRS asks for the consent of GRSP to go in this direction.
- IWG CRS proposes to GRSP to prepare four formal documents for the December session:
 - Amendments to Phase 1 of ECE R129.
 - Phase 2 amendment of ECE R129 (limited to booster seats ≤ 135 cm)
 - Amendment of ECE R16 accordingly.
 - Amendment of ECE R44 (booster cushion ≥ 125 cm)
- Accordingly, IWG CRS sought consent from GRSP for a one-year extension of his mandate until end of 2016.