Child Restraint Systems (CRS) in Buses & Coaches
Possible influence on number of seating places

Informal Group STCBC
Michael Becker, 28.10.2020
UN R 107 requires a minimum seat spacing of 680 mm for classes II and III (Annex 3, para 7.7.8.4)
A standard seat layout for a 12,3 m coach offers 55 seats based on the required minimum seat spacing.
Covering UN R 16 envelope dimensions of CRS will increase the seat spacing to 770 mm and will lead to a loss of 4 seats in the vehicle.
A standard seat layout for a 13,1 m coach offers 65 seats based on the required minimum seat spacing.
Covering UN R 16 envelope dimensions of CRS will increase the seat spacing to 770 mm and will lead to a loss of 6 seats in the vehicle.
Covering current requirements of testing gauges for CRS has significant influence on the number of seats that can be fitted to the vehicle.

Open questions:

- Number of places in the vehicle to be covered?
- Type of testing gauge to be covered?