Presentation from Germany on compatibility (vehicle and CRS) of iSize and IsoFix

23rd IG CRS meeting in Milano
presented by Rudolf Gerlach
Vehicle IsoFix (non-iSize-ready) approved
• Vehicle with all IsoFix positions non-iSize-ready
• Floor not approved for a Support-leg but fitted with TopTether anchorages

Vehicle iSize-ready
• Vehicle with all IsoFix positions iSize-ready
• Support-leg approved, fitted with TopTether anchorages

Question: If two iSize-ready positions are available, is it possible to install both, iSize and IsoFix universal CRS together?
Vehicle with one iSize-ready seating position and one IsoFix (non-iSize-ready) seating position

Combination of iSize-ready and IsoFix (non-iSize-ready) CRS necessary to fulfil the requirement to have two IsoFix positions in a vehicle with more than one seat row

Question: Is such a vehicle iSize-ready?
Non-iSize-ready CRS

• Universal, non-iSize-ready, no support-leg, IsoFix anchorages and TopTether-strap
• Fixation on iSize-ready seating position possible und permitted (?) with TopTether-strap.

(?) It has to be clarified, if it is permitted to install an IsoFix (non-iSize-ready) CRS on a seating position approved and marked as iSize-ready
iSize-ready CRS

- Universal, iSize-ready, Support-leg, IsoFix anchorages without TopTether-strap
- Fixation on a non-iSize-ready seating position possible but not permitted (no TopTether anchorage available and vehicle floor not approved for Support-leg)
To prevent misuse we see two solutions:

- All iSize-ready CRS shall be fitted with a TopTether-strap

- All vehicles with one iSize-ready-position and all other IsoFix positions ready for a Support-leg (black and white vehicles – customer has to check if the CRS fits in his car)
All iSize CRS with top-tether and optional support-leg

- **Vehicle**
  - **iSize**
    - **Seating position**
      - **only iSize**
        - **CRS**
          - iSize CRS
            - **Status**
              - permitted
          - IsoFix CRS (universal)
            - **Status**
              - permitted
        - **both iSize & IsoFix (univ.)**
          - iSize CRS
            - **Status**
              - not permitted (at all seating positions)
          - IsoFix CRS (universal)
            - **Status**
              - permitted

- **Solution**
All iSize CRS with top-tether and optional support-leg

Vehicle

IsoFix (non-iSize)

Seating position

both iSize & IsoFix (univ.)

CRS

iSize CRS

Status

not permitted

Solution

IsoFix CRS (universal)

permitted

for FWD CRS permitted with Top Tether
One iSize position & All IsoFix positions support-leg ready

- Vehicle
- Seating position
- CRS
- Status
- Solution

**Status:**
- One iSize position & All IsoFix positions support-leg ready
  - only iSize
    - iSize CRS
      - permitted
    - IsoFix CRS (universal)
      - permitted
  - both one iSize & all IsoFix support-leg ready
    - iSize CRS
      - permitted on one iSize position
      - permitted on all IsoFix support-leg ready positions
    - IsoFix CRS (universal)
      - permitted
Vehicle manufacturers have to support RF (R2) and FF (F2x)
• Space for R2 is not always available

Solutions
• offer all IsoFix positions as FF iSize-ready
• offer at least one IsoFix position as RF iSize-ready

Vehicle manufacturer explains which position is RF iSize-ready
• customer can check at which position the RF iSize-ready CRS fits

Passenger seat in most forward position should be possible

It should be possible to use two positions at the same time

Alternative
• iSize ready vehicles with all IsoFix positions iSize-ready
  Risk exists that the number of iSize-ready vehicles will be very limited (this concerns also small family cars)