

**TEST REPORT**

Concerning vehicles equipped with safety-belts, safety-belt reminders, restraint systems, child restraint system, ISOFIX child restraint system and I-size child restraint systems in accordance with ECE Regulation R16.07 supplement 6 and as specified Regulation (EU) 2018/858, Annex II, Part III, Appendix 3.

**Test report number** : **RDW-16R-0101888**

0.1. Make : Volkswagen, VW

0.2. Type : SKT (Short and Long Wheel Base)

0.4. Category of vehicle : M1 (SH; Wheelchair accessible vehicle)

0.5. Name and address of the manufacturer : Tripod Mobility B.V.  
Collseweg 10  
5674 TR Nuenen  
The Netherlands

**General** : The vehicle equipped with safety-belts, safety-belt reminders, restraint systems, child restraint system, ISOFIX child restraint system and I-size child restraint systems complies with the requirements laid down in:  
- Paragraph 8 of ECE Regulation 16  
- Regulation (EU) 2018/858, Annex II, Part III, Appendix 3.  
See documentation: "SKT-14R-16R-17R-0012", dated: 26 March 2021

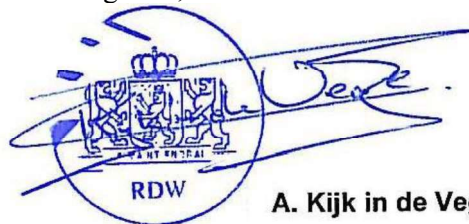
**Tests** : The tests have been carried out in accordance with the above-mentioned (EU, UNECE) Regulation(s).  
See page 3 to 14

**Conclusion** : The type of vehicle complies with the requirements and there are no objections against approval according to the above-mentioned (EU, UNECE) Regulation(s)

**Tests conducted on** : 9 February 2021

**By** : C.A.M. Konings, A. Kijk in de Vegte

Zoetermeer (NL), 16 July 2021  
The test engineer,



**A. Kijk in de Vegte**

**List of contents**

	Page
Reason for testing	see below
List of attached diagrams	2
Reason for testing	2
Worst case selection	2
Remarks	2
General test information	3
Specifications of the test vehicle	3
Used test equipment	3
Seat belts and/or restraint systems fitted to the vehicle	3
Requirements concerning the installation in the vehicle	4
Safety-belt and restraint systems equipment	4
General requirements	7
Special requirements for rigid parts incorporated in safety-belts or restraint systems	9
Safety-belt reminder equipment	13
Requirements for the installation of safety-belts and restraint systems for adult occupants of power-driven vehicles on forward facing seats, for the installation of ISOFIX child restraint systems and I-Size child restraint systems.	14
Compatibility with child restraint systems	14

**List of attached diagrams**

	Diagrams
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**Reason for testing**

1<sup>st</sup> Stage vehicle modified to Wheelchair accessible vehicle.

**Explanation of modification(s)**

The base vehicle (acc. e13\*2018/858\*00002\*??) has been modified to a wheelchair accessible vehicle with a lowered floor, additional 3<sup>rd</sup> row seating positions and wheelchair position. 2<sup>nd</sup> row OEM seating bench (60/40) or alternative 2<sup>nd</sup> row of seat, two single seats. The wheelchair position is fitted with a restraint system which consists of a restraint system for the wheelchair and a restraint system for the wheelchair occupant. 1<sup>st</sup> row of seats is not affected by the changes.

**Worst case selection**

The reviewed configurations are representative for all possible seating, wheelchair and wheelchair occupant positions and covers long and short wheelbase

**Remarks**

For all not by the modification effected items see approval(s)/ test report(s) listed in stage 1 approval. Relevant data and approval(s) valid for donor vehicle and completed vehicle if applicable:

<u>Make</u>	<u>Type</u>	<u>Approval</u>	
Volkswagen, VW	SK	e13*2018/858*00002*??	E13*16R07/05*10226*??

### General test information

Test conducted by : C. Konings, A. Kijk in de Vegte  
Place : Tripod, Nuenen, The Netherlands  
Date : 9 February 2021

### Specifications of the test vehicle

Make and type of the vehicle : Volkswagen, VW SKT (Short and Long Wheel Base)  
Type of bodywork and number of doors : AC, 5-door  
Vehicle category : M1 (SH; Wheelchair accessible vehicle)  
Vehicle Identification Number : WV2ZZZSKZMX001396  
Hand of drive : LHD

### Used test equipment

Item	Identification number (make and type)	Calibration papers available
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### Seat belts and/or restraint systems fitted to the vehicle

	Make of seat belt	Part number	Type of seat belt	Approval number
Driver seat	not affected by the modification; see 1 <sup>st</sup> stage approval			
Passenger seat	not affected by the modification; see 1 <sup>st</sup> stage approval			
2 <sup>nd</sup> row OEM (60/40) Bench Seat	not affected by the modification; see 1 <sup>st</sup> stage approval			
2 <sup>nd</sup> row outboard (TR04S) single seat	JSS	3114177 (V243)	Aer4mp	E1 072077
3 <sup>rd</sup> row outboard (TriflexAIR)	Fasching Salzburg	207015	Ar4m	E1 060721
3 <sup>rd</sup> row, wheelchair	see information document	see information document	see information document	see information document

## 8. Requirements concerning the installation in the vehicle

### 8.1. Safety-belt and restraint systems equipment

- 8.1.1. With the exception of seating intended for use when the vehicle is stationary, all the seats shall be equipped with safety-belts or restraint systems which meet the requirements of this Regulation : ~~pass~~/fail  
Only vehicles belonging to category M2 or M3 may be fitted with restraint systems comprising a flexible shoulder adjustment device for height : ~~pass~~/fail/N/A
- 8.1.2. The correct types of safety-belts or restraint systems for each seating position where installation is required shall be those specified below : ~~pass~~/fail

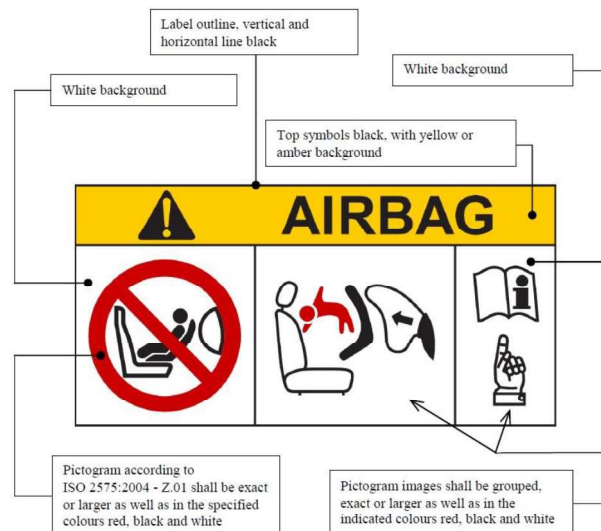
Minimum requirements for safety-belts and Retractors						
Vehicle category	Forward facing seating positions				Rearward facing seating positions	Side-facing seating position
	Outboard seating positions		Centre seating position			
	Front	Other than front	Front	Other than front		
M <sub>1</sub>	Ar4m	Ar4m	Ar4m	Ar4m	B, Br3, Br4m	--
M <sub>2</sub> < 3.5 t	Ar4m, Ar4Nm	Ar4m, Ar4Nm	Ar4m, Ar4Nm	Ar4m, Ar4Nm	Br3, Br4m, Br4Nm	--
M <sub>2</sub> > 3.5 t	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm*	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm*	Br3, Br4m, Br4Nm or Ar4m or Ar4Nm*	Br3, Br4m, Br4Nm or Ar4m or Ar4Nm*	Br3, Br4m, Br4Nm	--
M <sub>3</sub>	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm* See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm* See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm* See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm* See para. 8.1.7. for conditions when a lap belt is permitted	--	B, Br3, Br4m, Br4Nm
N <sub>1</sub>	Ar4m, Ar4Nm	Ar4m, Ar4Nm, Br4m, Br4Nm Ø Para. 8.1.2.1. lap belt permitted if seat is inboard of a passageway	B, Br3, Br4m, Br4Nm or A, Ar4m, Ar4Nm* <sup>1</sup> Para. 8.1.6. lap belt permitted if the windscreen is not in the reference zone	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm	--  --
N <sub>2</sub>	Br3, Br4m, Br4Nm or Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is outside the reference zone and for the driver's seat	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm, or A, Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is not in the reference zone	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm	--
N <sub>3</sub>	Br3, Br4m, Br4Nm or Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is outside the reference zone and for the driver's seat	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm, or A, Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is not in the reference zone	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm	--

- 8.1.2.1. However, for outboard seating positions, other than front, of vehicles of the category N1 shown above and marked with Ø, the installation of a lap belt of type Br4m or Br4Nm is allowed, where there exists a passage<sup>1</sup> between a seat and the nearest side wall of the vehicle intended to permit access of passengers to other parts of the vehicle : ~~pass~~/fail/N/A
- 8.1.3. Where no safety-belts are required any type of safety-belt or restraint system conforming to this Regulation may be provided : ~~pass~~/fail/N/A
- 8.1.4. On three-point belts fitted with retractors, one retractor must operate at least on the diagonal strap : ~~pass~~/fail/N/A
- 8.1.5. Except for vehicles of category M1 an emergency locking retractor of type 4N may be permitted instead of a retractor of type 4 where it has been shown to the satisfaction of the services responsible for the tests that the fitting of a type 4 retractor would not be practical : ~~pass~~/fail/N/A
- 8.1.6. For the front outboard and the front centre seating positions shown in item 8.1.2 and marked with the symbol \*, lap belts of the type specified on that annex shall be considered adequate where the windscreen is located outside the reference zone<sup>2</sup> : see 1<sup>st</sup> stage approval

<sup>1</sup> A space between a seat and the side wall is considered as a passage, if the distance between that side wall, with all doors closed, and a vertical longitudinal plane passing through the centre line of the seat concerned - measured at the R-point position and perpendicularly to the median longitudinal plane of the vehicle - is more than 500 mm

<sup>2</sup> As defined in Annex 1 to Regulation No. 21

- 8.1.7. Every seating position in item 8.1.2. above marked with the symbol ●, three-point belts shall be provided unless one of the following conditions is fulfilled, in which case two-point belts may be provided
- 8.1.7.1. - There is a seat or other vehicle parts conforming to paragraph 3.5. of Appendix 1 to Regulation No. 80 directly in front : ~~pass~~/fail/N/A
- 8.1.7.2. - No part of the vehicle is in or, when the vehicle is in motion, capable of being in the reference zone : ~~pass~~/fail/N/A
- 8.1.7.3. - Parts of the vehicle within the said reference zone comply with the energy absorbing requirements set out in Appendix 6 of Regulation No. 80 : ~~pass~~/fail/N/A
- 8.1.8. Every passenger seating position which is fitted with an airbag shall be provided with a warning against the use of a rearward-facing child restraint in that seating position <sup>(3)(4)</sup> : see 1<sup>st</sup> stage approval



<sup>(3)</sup> The overall dimensions shall be at least 120 x 60 mm or the equivalent area

<sup>(4)</sup> This requirement shall not apply if the vehicle is fitted with a mechanism which senses automatically the presence of any rearward-facing child restraint, and ensures that the airbag will not be deployed when such a child restraint system is fitted

- 8.1.9. In the case of a front airbag for the front passenger seat, the warning shall be durably affixed to each face of the passenger front sun visor in such a position that at least one warning on the sun visor is visible at all times, irrespective of the position of the sun visor : see 1<sup>st</sup> stage approval  
Alternatively, one warning shall be located on the visible face of the stowed sun visor and a second warning shall be located on the roof behind the visor, so, at least one warning is visible all times : --  
It shall not be possible to easily remove the warning label from the visor and the roof without any obvious and clearly visible damage remaining to the visor or the roof in the interior of the vehicle : --  
If the vehicle does not have a sun visor or roof, the warning label shall be positioned in a location where it is clearly visible at all times : --  
In the case of a frontal protection airbag for other seats in the vehicle, the warning shall be directly ahead of the relevant seat, and clearly visible at all times to someone installing a rear-facing child restraint on that seat : --
- 8.1.10. Detailed information, making reference to the warning, shall be contained in the owner's manual of the vehicle : see 1<sup>st</sup> stage approval
- 8.1.11. In the case of seats capable of being turned to or placed in other orientations, designed for use when the vehicle is stationary, the requirements of paragraph 8.1.1. above shall only apply to those orientations designated for normal use when the vehicle is travelling on a road, in accordance with this Regulation : ~~pass/fail~~/N/A

## 8.2. General requirements

- 8.2.1. Safety-belts, restraint systems, and ISOFIX child restraint systems, as well as i-Size child restraint systems<sup>5</sup> shall be in accordance with the specifications of Regulation No. 14 or UN Regulation No. 145, such as the design and dimensional characteristics, the number of anchorages and the strength requirements:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~
- 8.2.2. The safety-belts, restraint systems and child restraint systems recommended by the manufacturer shall be so installed that they will work satisfactorily and reduce the risk of bodily injury in the event of an accident:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~
  - 3<sup>rd</sup> row wheelchair/occupant position : pass/~~fail~~
- 8.2.2.1. In particular they shall be so installed that  
The straps are not liable to assume a dangerous configuration:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~
  - 3<sup>rd</sup> row wheelchair/occupant position : pass/~~fail~~
- 8.2.2.2. That the danger of a correctly positioned belt slipping from the shoulder of a wearer as a result of his/her forward movement is reduced to a minimum:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~
  - 3<sup>rd</sup> row wheelchair/occupant position : pass/~~fail~~

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<sup>5</sup> according to Annex 17 - Appendix 3

- 8.2.2.3. The risk of the strap deteriorating through contact with sharp parts of the vehicle or seat structure, and child restraint systems recommended by the manufacturer<sup>6</sup> is reduced to a minimum:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~
  - wheelchair/occupant position : pass/~~fail~~
- 8.2.2.4. The design and installation of every safety-belt provided for each seating position shall be such as to be readily available for use : pass/~~fail~~  
Furthermore, where the complete seat or the seat cushion and/or the seat back can be folded to permit access to rear of the vehicle or to goods or luggage compartment, after folding and restoring those seats to the seating position, the safety-belts provided for those seats shall be accessible for use or can be easily recovered from under or behind the seat, by one person, according to instructions in the vehicle users handbook, without the need for that person to have training or practice:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A
  - wheelchair/occupant position : ~~pass/fail~~/N/A
- 8.2.2.5. With the buckle tongue engaged in the buckle
- 8.2.2.5.1. The possible slack in the belt does not prevent the correct installation of child restraint systems recommended by the manufacturer:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~/N/A
- 8.2.2.5.2. In the case of three-point belts, a tension of at least 50 N can be established in the lap item of the belt by external application of tension in the diagonal section of the belt, when positioned on a 10-year manikin or gabarit:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : pass/~~fail~~/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/~~fail~~/N/A

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<sup>6</sup> according to Annex 17 - Appendix 3

### 8.3. *Special requirements for rigid parts incorporated in safety-belts or restraint systems*

8.3.1. Rigid parts, such as the buckles, adjusting devices and attachments, shall not increase the risk of bodily injury to the wearer or to other occupants of the vehicle in the event of an accident:

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : pass/fail/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/fail/N/A
- wheelchair/occupant position : pass/fail/N/A

8.3.2. The device for releasing the buckle shall be clearly visible to the wearer and within his easy reach and shall be so designed that it cannot be opened inadvertently or accidentally. The buckle shall also be located in such a position that it is readily accessible to a rescuer needing to release the wearer in an emergency:

- front outboard seat : see 1st stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1st stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : pass/fail/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/fail/N/A
- wheelchair/occupant position : pass/fail/N/A

The buckle shall be so installed that, when not under load and when sustaining the wearer's mass, it is capable of being released by the wearer with a single simple movement of either hand in one direction:

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : pass/fail/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/fail/N/A
- wheelchair/occupant position : pass/fail/N/A

In the case of a safety-belts or restraint systems for front outboard seating positions, except if these are harness belts, the buckle shall also be capable of being locked in the same manner:

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : pass/fail/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/fail/N/A

A check shall be made to ensure that, if the buckle is in contact with the wearer, the width of the contact surface is not less than 46 mm:

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : pass/fail/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/fail/N/A
- wheelchair/occupant position : pass/fail/N/A

A check shall be made to ensure that, if the buckle is in contact with the wearer, the contact surface has the minimum required surface of 20 cm<sup>2</sup>:

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : pass/fail/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : pass/fail/N/A
- wheelchair/occupant position : pass/fail/N/A

- In case of a harness belt buckle, the contact surface has the minimum required surface between 20 and 40 cm<sup>2</sup> : ~~pass~~/fail/N/A
- 8.3.3. When the belt is being worn, it shall either adjust automatically to fit the wearer or be so designed that the manual adjusting device is readily accessible to the wearer when seated and is convenient and easy to use:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass~~/fail/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass~~/fail/N/A
  - wheelchair/occupant position : ~~pass~~/fail/N/A
- It shall also be possible for it to be tightened with one hand to suit the build of the wearer and the position of the vehicle seat
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass~~/fail/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass~~/fail/N/A
  - wheelchair/occupant position : ~~pass~~/fail/N/A
- 8.3.4. Safety-belts or restraint systems incorporating retractors shall be so installed that the retractors are able to operate correctly and stow the strap efficiently : ~~pass~~/fail/N/A
- In case of both a belt adjusting device for height as well as a flexible shoulder adjustment device for height, in at least its highest and its lowest position, checks shall be made that the retractor automatically adjusts the strap to the shoulder of the concerned wearer after buckling, as well as that the tongue-plate rolls up in case of an unbuckling:
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass~~/fail/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass~~/fail/N/A
  - wheelchair/occupant position : ~~pass~~/fail/N/A

- 8.3.5. The manufacturer shall provide the vehicle user(s) of the provisions made for the transport of children. The owner's manual shall contain the minimal required information in accordance with the relevant prescriptions of UN Regulation No. 14 or UN Regulation No. 145
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A

The first ISOFIX position shall allow at least the installation of one out of the three forward-facing fixtures

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A

The second ISOFIX position shall allow at least the installation of one out of the three rear-facing fixtures

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A

In case where the installation of the rear-facing fixture is not possible on the second row of seats of the vehicle due to its design, the installation of one out of the six fixtures is allowed in any position of the vehicle

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A

- 8.3.6. Any i-Size seating position shall allow the installation of the ISOFIX child restraint fixture "ISO/F2X", "ISO/R2", and the support leg installation assessment volume<sup>7</sup>. It shall be possible to occupy all adjacent i-Size seating positions simultaneously. This is deemed to be demonstrated when the vertical median planes of individual adjacent positions are at least 440 mm apart:

Lateral limitation:

By two planes parallel to and 100 mm apart from the median longitudinal plane of the child restraint fixture installed in the respective seating position:

- front outboard seat : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A

<sup>7</sup> as defined in Appendix 2 of Annex 17, as well as the booster seat fixture "ISO/B2" as defined in Appendix 5 of Annex 17, without the ISOFIX attachments (see detail B)

**Forward limitation:**

By a plane perpendicular to the plane given by the child restraint fixture bottom surface and perpendicular to the median longitudinal plane of the child restraint fixture, 695 mm apart from the plane passing through the centrelines of the ISOFIX lower anchorages and being perpendicular to the CRF bottom surface:

- |  |  |
|--|--|
| - front outboard seat                            | : see 1 <sup>st</sup> stage approval     |
| - 2 <sup>nd</sup> outboard/centre seats (OEM)    | : see 1 <sup>st</sup> stage approval     |
| - 2 <sup>nd</sup> row outboard seat (TR04S)      | : <del>pass</del> / <del>fail</del> /N/A |
| - 3 <sup>rd</sup> row outboard seat (TriflexAIR) | : <del>pass</del> / <del>fail</del> /N/A |

**Rearward limitation:**

Above the level of the bottom surface of the child restraint fixture by the front surface of the child restraint fixture, and Below the level of the bottom surface of the child restraint fixture by a plane perpendicular to the plane given by the child restraint fixture bottom surface and perpendicular to the median longitudinal plane of the child restraint fixture, 585mm apart from the plane passing through the centrelines of the ISOFIX lower anchorages and being perpendicular to the CRF bottom surface:

- |  |  |
|--|--|
| - front outboard seat                            | : see 1 <sup>st</sup> stage approval     |
| - 2 <sup>nd</sup> outboard/centre seats (OEM)    | : see 1 <sup>st</sup> stage approval     |
| - 2 <sup>nd</sup> row outboard seat (TR04S)      | : <del>pass</del> / <del>fail</del> /N/A |
| - 3 <sup>rd</sup> row outboard seat (TriflexAIR) | : <del>pass</del> / <del>fail</del> /N/A |

**Height limitation<sup>8</sup>:**

Above the level of the bottom surface of the child restraint fixture by a plane which is parallel to the child restraint bottom surface and 85 mm above this surface, and below the level of the bottom surface of the child restraint fixture by the upper surface of the vehicle floor (incl. trim, carpet, foam, etc.):

- |  |  |
|--|--|
| - front outboard seat                            | : see 1 <sup>st</sup> stage approval     |
| - 2 <sup>nd</sup> outboard/centre seats (OEM)    | : see 1 <sup>st</sup> stage approval     |
| - 2 <sup>nd</sup> row outboard seat (TR04S)      | : <del>pass</del> / <del>fail</del> /N/A |
| - 3 <sup>rd</sup> row outboard seat (TriflexAIR) | : <del>pass</del> / <del>fail</del> /N/A |

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<sup>8</sup> The pitch angle used for the geometrical assessments below shall be as measured in paragraph 5.2.3.4. of UN Regulation No. 14 or 5.2.2.4 of UN Regulation No. 145.

#### 8.4. *Safety-belt reminder equipment*

- 8.4.1. The driver seating position of the M1 category of vehicles, shall be equipped with a safety-belt reminder satisfying the requirements of this Regulation. Where the vehicle manufacturer provides a safety-belt reminder system on the driver seat in another category of vehicle, the safety-belt reminder system may be approved according to this Regulation:
- driver seat : see 1<sup>st</sup> stage approval
- 8.4.1.2. All seating positions of the rear seat row(s) of M1 and N1 category vehicles<sup>10</sup> shall be equipped with a safety-belt reminder satisfying the requirements of paragraph 8.4.4.
- front outboard seat : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1<sup>st</sup> stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass~~/fail/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass~~/fail/N/A
  - wheelchair/occupant position : ~~pass~~/fail/N/A
- 8.4.1.3. A safety-belt reminder is not compulsory on folding seats (i.e., normally folded and designed for occasional use, e.g., foldable crew seats in the buses and coaches) as well as seating positions fitted with an S-type belt (including Harness belt) : ~~pass~~/fail/N/A
- Notwithstanding paragraphs 8.4.1.1. and 8.4.1.2 above, safety belt reminders are also not required for rear seats in ambulances, hearses, and motor-caravans as well as for all seats for vehicles used for transport of disabled persons, vehicles intended for use by the armed services, civil defence, fire services and forces responsible for maintaining public order.
- 2<sup>nd</sup> row outboard seat (TR04S) : applicable/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : applicable/N/A
  - 3<sup>rd</sup> row wheelchair/occupant position : applicable/N/A
- 8.4.2. Safety-belt reminder
- front outboard seat : see 1st stage approval
  - 2<sup>nd</sup> outboard/centre seats (OEM) : see 1st stage approval
  - 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass~~/fail/N/A
  - 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass~~/fail/N/A
  - wheelchair/occupant position : ~~pass~~/fail/N/A

**Annex 17 Requirements for the installation of safety-belts and restraint systems for adult occupants of power-driven vehicles on forward facing seats, for the installation of ISOFIX child restraint systems and I-Size child restraint systems.**

**1. Compatibility with child restraint systems**

1.1. The vehicle manufacturer shall include in the vehicle handbook simple advice to the vehicle user on the suitability of each passenger seating position for the fitting of child restraint systems. This information shall be given by pictograms, or in the national language, or at least one of the national languages, of the country in which the vehicle is offered for sale

- front outboard seat : see 1st stage approval
- 2<sup>nd</sup> outboard/centre seats (OEM) : see 1st stage approval
- 2<sup>nd</sup> row outboard seat (TR04S) : ~~pass/fail~~/N/A
- 3<sup>rd</sup> row outboard seat (TriflexAIR) : ~~pass/fail~~/N/A

**Appendix 3 Detailed information e.g., for child restraint system manufacturers**

Seating position suitable:

Seating position suitable:

Fixture	Vehicle positions											
	1 <sup>st</sup> row passenger			2 <sup>nd</sup> row outboard (OEM)			2 <sup>nd</sup> row outboard (TR04S)			3 <sup>rd</sup> row outboard (TriflexAIR)		
	1	2	3	4	5	6	4	5	6	7	8	9
Seating position suitable for universal belted	see 1 <sup>st</sup> stage approval			see 1 <sup>st</sup> stage approval			yes	N/A	yes	yes	N/A	yes
i-Size seating position (yes/no)	see 1 <sup>st</sup> stage approval			see 1 <sup>st</sup> stage approval			no	N/A	no	no	N/A	no
Seating position suitable for lateral fixture (L1/ L2)	see 1 <sup>st</sup> stage approval			see 1 <sup>st</sup> stage approval			N/A	N/A	N/A	N/A	N/A	N/A
Largest suitable rearward facing fixture (R1/ R2X / R2/ R3)	see 1 <sup>st</sup> stage approval			see 1 <sup>st</sup> stage approval			N/A	N/A	N/A	N/A	N/A	N/A
Largest suitable forward-facing fixture (F1/F2X/F2/F3)	see 1 <sup>st</sup> stage approval			see 1 <sup>st</sup> stage approval			N/A	N/A	N/A	yes	N/A	yes
Largest suitable booster fixture (B2 / B3)	see 1 <sup>st</sup> stage approval			see 1 <sup>st</sup> stage approval			N/A	N/A	N/A	N/A	N/A	N/A