

THE NETHERLANDS

TEST REPORT

For granting vehicle type-approval with regard to Regulation (EU) 2018/858,
as last amended by 2022/2236.

Test report number : RDW-2018/858-0128637

0.1. Make : Renault / Mercedes-Benz

0.2. Type : XFKT

0.4. Category of vehicles : M1

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

Information document
- number : XFKT-2018/858-00116
- dated : 11 May 2023

Conclusion : The type of vehicle described in point 0.1. to 0.5. meets the requirements of the above-mentioned Regulation (EU). There are no objections to granting the approval under the above-mentioned Regulation (EU).

Vehicle type submitted for approval on : 28 July 2023

Inspections carried out by : C.A.M. Konings

Zoetermeer (NL), 28 July 2023
The test engineer,



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Reason for testing

1st Stage vehicle modified to wheelchair accessible vehicle.

Explanation of modification(s)

- Variants/Versions added: base RPA & IP versions ..640/740/940..
- Commercial name: Citan Tourer & T-Class added (MB)
- VIN structure: T?E / T?J added for L1 (Stage 1, pos. 4-6)
- Masses: variants added, conversion mass modified (- 4kg)
- Assembly plants: overview list revised (ATM / EMB / FCAS)
- Test results: updated with additional IP family versions
- List of approval & test report nrs. revised

Worst case for testing

Single vehicle selection: All modified items have been checked.

Used test equipment

Item	Identification number (make and type)	Calibration papers available
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Remarks

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1. Test results

1.1. Verification if all separate EU and ECE Regulations approvals are applicable to the appropriate standard in the relevant separate EU and ECE Regulations : see information document

The separate EU and ECE Regulations approvals are applicable to the appropriate standard in the relevant separate EU and ECE Regulations.

1.2. Verification if the data contained in Part I of the vehicle information document are included in the information package and/or the approval certificates of the relevant separate EU and ECE Regulations

The data of Part I of the information document of the vehicle are included in the information packages and/or the approval certificates of the relevant separate EU and ECE Regulations or in case the information is not included in the information package of any of the regulatory acts, it has been confirmed that the relevant part or characteristic conforms to the particulars in the information folder.

1.3. Verification if the vehicle(s) is/are built in accordance with the relevant data contained in the information package in respect of all separate EU and ECE Regulations for vehicle parts and systems and the installation of technical units.

2. Checked items:

Vehicle category Criteria	M1	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
Tested category	↓									
Engine	X	X	X	X	X	X	--	--	--	--
Gearbox	X	X	X	X	X	X	--	--	--	--
Number of axles	--	X	X	X	X	X	X	X	X	X
Powered axles (number, position, interconnection)	X	X	X	X	X	X	--	--	--	--
Steered axles (number and position)	X	X	X	X	X	X	X	X	X	X
Body styles	X	X	X	X	X	X	X	X	X	X
Number of doors	X	X	X	X	X	X	X	X	X	X
Hand of drive	X	X	X	X	X	X	--	--	--	--
Number of seats	X	X	X	X	X	X	--	--	--	--
Level of equipment	X	X	X	X	X	X	--	--	--	--



3. Test vehicle(s)

3.1. Vehicle description

	<u>Test vehicle 1</u>
Type	: XFKT
Vehicle variant	: RWA
Vehicle version	: MA6A632A1500-20M
Vehicle Identification Number	: VF1RFK00X67910688
Engine	: Petrol 1.3L (75 kW)
Gearbox	: MT 6-speed
Number of axles	: 2
Powered axle(s)	: 1
Steered axle(s)	: 1
Body style	: AF (SH)
Number of doors	: 5
Hand of drive	: Left hand drive
Number of seats	: 4 + 1 wheelchair position



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
1A.	Permissible sound level	RDW-51R-0123074	UNECE Reg. 51	am. 03, suppl. 6	All / All	conforms / N/A
2A.	Emissions (Euro 5 and 6) light-duty vehicles/ access to information	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
3A.	Prevention of fire risks (liquid fuel tanks)	RDW-34R-0123073	UNECE Reg. 34	am. 03, suppl. 2	All / All	conforms / N/A
3B.	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	RDW-58R-0123075	UNECE Reg. 58	am. 03, suppl. 2	All / All	conforms / N/A
4A.	Space for mounting and fixing rear registration plates	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
5A.	Steering equipment	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A

(*) Numbers according to Annex II of Directive 2018/858/EC.



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
6A.	Vehicle access and manoeuvrability	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
6B.	Door latches and door retention components	RDW-11R-0123067	UNECE Reg. 11	am. 04, suppl. 2	All / All	conforms / N/A
7A.	Audible warning devices and signals	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
8A.	Devices for indirect vision and their installation	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
9B.	Braking of passenger cars	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
10A.	Electromagnetic compatibility	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
12A.	Interior fittings	RDW-21R-0123071	UNECE Reg. 21	am. 01, suppl. 4	All / All	conforms / N/A



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
13B.	Protection of motor vehicles against unauthorised use	see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08	--	--	All / All	conforms / N/A
14A.	Protection of the driver against the steering mechanism in the event of impact	see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08	--	--	All / All	conforms / N/A
15A.	Seats, their anchorages and any head restraints	RDW-17R-0123070	UNECE Reg. 17	am. 09, suppl. 1	All / All	conforms / N/A
16A.	External projections	RDW-26R-0123072	UNECE Reg. 26	am. 04, suppl. - -	All / All	conforms / N/A
17A.	Vehicle access and manoeuvrability	see No 6A				
17B.	Speedometer equipment including its installation	see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08	--	--	All / All	conforms / N/A
18A.	Manufacturer's statutory plate and vehicle identification number	see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08 2 nd stage: see appendix below	--	--	All / All	conforms / N/A
			(EU) 19/2011	(EU) 249/2012	All / All	conforms / N/A



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
19A.	Safety-belt anchorages Isofix anchorages systems and Isofix top tether anchorages	RDW-14R-0123068	UNECE Reg. 14	am 09, supp. 1	All / All	conforms / N/A
		see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / see remarks
20A.	Installation of lighting and light-signalling devices on vehicles	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
21A.	Retro-reflecting devices for power-driven vehicles and their trailers	covered by No 20A				
22A.	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers	covered by No 20A				
22B.	Daytime running lamps for power-driven vehicles	covered by No 20A				
22C	Side-marker lamps for motor vehicles and their trailers	covered by No 20A				
23A.	Direction indicators for power-driven vehicles and their trailers	covered by No 20A				



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
24A.	Illumination of rear-registration plates of power-driven vehicles and their trailers	covered by No 20A				
25A.	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	covered by No 20A				
25B.	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	covered by No 20A				
25C.	Motor vehicle headlamps equipped with gas-discharge light sources	covered by No 20A				
25D.	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	covered by No 20A				
25E.	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	covered by No 20A				
25F.	Adaptive front-lighting systems (AFS) for motor vehicles	covered by No 20A				
26A.	Power-driven vehicle front fog lamps	covered by No 20A				



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
27A.	Towing device	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
28A.	Rear fog lamps for power-driven vehicles and their trailers	covered by No 20A				
29A.	Reversing lights for power-driven vehicles and their trailers	covered by No 20A				
30A.	Parking lamps for power-driven vehicles	covered by No 20A				
31A.	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	RDW-16R-0123069	UNECE Reg. 16	am. 08, suppl. 2	All / All	conforms / N/A
32A.	Forward field of vision	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
33A.	Location and identification of hand controls, tell-tales and indicators	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
34A.	Windscreen defrosting and demisting systems	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
35A.	Windscreen wiper and washer systems	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
36A.	Heating systems	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
37A.	Wheel guards	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
38A.	Head restraints (headrests), whether or not incorporated in vehicle seats	covered by No. 15A				
41A.	Emissions (Euro VI) heavy duty vehicles/access to information	--	--	--	--	conforms / N/A
43A.	Spray suppression systems	--	--	--	--	conforms / N/A
44A.	Masses and dimensions	<u>RDW-2021/535XIII-0128638</u>	(EU) 2021/535	--	All / All	conforms / N/A



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
45A.	Safety glazing materials and their installation on vehicles	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
46A.	Installation of tyres	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
46B.	Pneumatic tyres for motor vehicles and their trailers (Class C1)	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
46D.	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
46E.	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
47A.	Speed limitation of vehicles		--	--	All / All	conforms / N/A
53A.	Protection of occupants in the event of a frontal collision	N/A	--	--	--	conforms / N/A
54A.	Protection of occupants in the event of lateral collision	N/A	--	--	--	conforms / N/A
58.	Pedestrian protection	see 1 st stage: e2*2018/858*00001*09	--	--	All / All	conforms / N/A
	Braking (brake assist)	see 1 st stage: e2*2018/858*00014*08 see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08	--	--	All / All	conforms / N/A
59.	Recyclability	--	--	--	--	conforms / N/A
61.	Air-conditioning systems	see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08	--	--	All / All	conforms / N/A
62.	Hydrogen system	--	--	--	--	conforms / N/A
63.	General Safety	see 1 st stage: e2*2018/858*00001*09 see 1 st stage: e2*2018/858*00014*08	--	--	All / All	conforms / N/A



No (*)	Subject	Approval No	Regulatory act reference	As amended by	Covered Variant/Version	Conforms/comment
64.	Gear shift indicators	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A
67.	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	--	--	--	--	conforms / N/A
68.	Vehicle alarm systems (VAS)	covered by No 13B				
69.	Electric safety	--	--	--	--	conforms / N/A
70.	Specific components for CNG and their installation on motor vehicles	--	--	--	--	conforms / N/A
72.	eCall system	see 1 st stage: e2*2018/858*00001* <u>09</u> see 1 st stage: e2*2018/858*00014* <u>08</u>	--	--	All / All	conforms / N/A

The vehicle(s) is/are built in accordance with the relevant data contained in the information package of all separate approvals and the installation of the separate technical units.

Remarks:

Item 2A. Changes to the exhaust system are permitted as specified by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3.

Item 3A. Modifications, as specified by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3, are permitted

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- Item 8A. The installation of a wheelchair ramp does affect the rear field of vision of the interior rear-view mirror. The right and left OEM exterior rear-view mirrors remain unchanged and meet the requirements.
- Item 15A: Sufficient space is provided for a wheelchair as specified by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3. See also information document.
- Item 18A. The statutory plate of completed vehicle has been checked in accordance with Regulation (EU) No 2021/535/II and meets the requirements laid down in this Regulation; see appendix
- Item 19A Tests have been performed for the wheelchair and occupant restraint system as specified by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3; see appendix
- Item 27A. Rear towing device deleted by the modification and therefore not applicable. Only a front towing is permitted, as specified by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3.



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- Item 31A The integrated restraint systems for the wheelchair and occupant meets the requirements of the Regulation and as specified Regulation (EU) 2018/858 Annex II, Part III, Appendix 3; see appendix
- Item 44A Consideration has been made of the effects of carrying a wheelchair as by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3. Number of rear passengers may need to be reduced when transporting a wheelchair (160 kg). Limitation in passenger capacity shall be included on the certificate of conformity.
- Item 50A. The special use of the stage 2 vehicle requires the definite removal of any rear coupling device.
- Item 53A. Not applicable, as specified Regulation (EU) 2018/858 Annex II, Part III, Appendix 3.
- Item 54A. Not applicable, as specified Regulation (EU) 2018/858 Annex II, Part III, Appendix 3.
- Item 55A. Not applicable, as specified Regulation (EU) 2018/858 Annex II, Part III, Appendix 3.
- Item 59. Multistage vehicles and wheelchair accessible vehicles are exempted from recyclability as by Regulation (EU) 2018/858 Annex II, Part III, Appendix 3



Appendix

Additional requirements for wheelchair accessible vehicles according to Annex II, Part III, Appendix 3

2. General requirements

- 2.1. Each wheelchair location shall be provided with anchorages to which a wheelchair tie-down and occupant restraint system (WTORS) shall be fitted. : pass
- 2.2. The wheelchair occupant's lower belt anchorages shall be located in accordance with UN Regulation No 14.07, paragraph 5.4.2.2, relative to Point P on the SWC, when placed in the travelling position designated by the manufacturer. The upper actual anchorage(s) shall be located at least 100 mm above the horizontal plane passing through the points of contact between the rear tyres of the SWC and the vehicle floor. That condition shall still be satisfied after the test carried out in accordance with point 3 below. : pass; see test report RDW-14R-0123068
- 2.3. An assessment shall be made of the WTORS occupant belt to ensure compliance with the UN Regulation No 16.06, paragraphs 8.2.2 to 8.2.2.4 and 8.3.1 to 8.3.4. : pass; see test report RDW-16R-0123069
- 2.4. The minimum number of ISOFIX child seat anchorages need not to be provided. In the case of a multi-stage type-approval where an ISOFIX anchorage system has been affected by the conversion, either the system shall be re-tested or the anchorages shall be rendered unusable. In the latter case the ISOFIX labels shall be removed and appropriate information shall be given to the vehicle purchaser. : applicable; see remarks item 19A

3. Static in-vehicle testing

- 3.1. Wheelchair occupant restraint anchorages
- 3.1.1. The wheelchair occupant restraint anchorages shall resist the static forces prescribed for occupant restraint anchorages in UN Regulation No 14.07, simultaneously with the static forces applied to the wheelchair tie-down anchorages as specified in point 3.2 of this below : N/A
- 3.2. Wheelchair tie-down anchorages
The wheelchair tie-down anchorages shall resist the following forces, for at least 0,2 seconds, applied via the SWC (or a suitable surrogate wheelchair having a wheelbase, seat height and tie-down attachment points in accordance with the specification for the SWC), at a height of 300 +/- 100 mm from the surface on which the SWC rests: : N/A



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- 3.2.1. In the case of a forward-facing wheelchair, a simultaneous force, coincident with the force applied to the occupant restraint anchorages, of 24,5 kN, and : N/A
- 3.2.2. a second test applying a static force of 8,2 kN directed towards the rear of the vehicle. : N/A
- 3.2.3. In the case of a rearward-facing wheelchair, a simultaneous force, coincident with the force applied to the occupant restraint anchorages, of 8,2 kN, and : N/A
- 3.2.4. a second test applying a static force of 24,5 kN directed towards the front of the vehicle. : N/A
- 3.3. Components of the system
- 3.3.1. All components of the WTORS shall meet the relevant requirements of international standard ISO 10542- 1:2012. However, the dynamic test specified in Annex A and paragraphs 5.2.2 and 5.2.3 of international standard ISO 10542-1:2012 shall be carried out on the complete WTORS using the vehicle anchorage geometry instead of the test geometry specified in Annex A of international standard ISO 10542-1:2012. This may be carried out within the vehicle structure or on a surrogate structure representative of the vehicle's WTORS anchorage geometry. The location of each anchorage shall lie within the tolerance provided for in paragraph 7.7.1 of UN Regulation No 16.06. : pass; see test report RDW-17R-0123070
- 3.3.2. Where the occupant restraint part of the WTORS is approved in accordance with UN Regulation No 16.06, it shall be subject to the dynamic test of the complete WTORS specified in paragraph 3.3.1 of this Appendix but the requirements of paragraphs 5.1, 5.3 and 5.4 of international standard ISO10542-1:2012 shall be considered to have been met. : N/A
4. ***Dynamic in-vehicle testing***
- 4.1. The full assembly of the WTORS system shall be tested by an in-vehicle dynamic test in accordance with paragraphs 5.2.2 and 5.2.3 and Annex A of international standard ISO 10542-1:2012, testing all components/anchorages simultaneously, using a vehicle body-in-white or representative structure. : pass; see test report RDW-17R-0123070
- 4.2. The component parts of the WTORS shall meet the relevant requirements of international standard ISO 10542- 1:2012, paragraphs 5.1, 5.3 and 5.4. These requirements shall be deemed to have been met in respect of the occupant restraint if it is approved in accordance with UN Regulation No 16.06. : pass; see test report RDW-17R-0123070



4. Identification of the vehicle

4.1. Vehicle identification number

- (a) The identification number of the base vehicle (VIN) prescribed by Regulation (EU) No. 2021/535/II shall be retained during all the subsequent stages of the type-approval process to ensure the 'traceability' of the process : pass; see stage 1
- (b) However, at the final stage of completion, the manufacturer concerned by this stage may replace, in agreement with the approval authority, the first and second sections of the vehicle identification number by his own vehicle manufacturer code and the vehicle identification code if, and only if, the vehicle has to be registered under his own trade name : N/A
- In such a case, the complete vehicle identification number of the base vehicle shall not be deleted : --

4.2. Additional manufacturer's plate

At the second and subsequent stages, in addition to the statutory plate prescribed by D Regulation (EU) No. 2021/535/II, each manufacturer must affix to the vehicle an additional plate the model of which is shown in the appendix to this Annex. This plate must be firmly attached, in a conspicuous and readily accessible position on a part not subject to replacement in use : pass

It must show clearly and indelibly the following information in the order listed

- name of the manufacturer : pass
- Sections 1, 3 and 4 of the EC type-approval number : pass
- maximum permissible laden mass of the vehicle : pass
- maximum permissible laden mass of the combination (where the vehicle is permitted to tow a trailer) : pass
- maximum permissible mass on each axle, listed in order from front to rear : pass
- in the case of a semi-trailer or centre axle trailer, the maximum permitted mass on the coupling device : N/A

Unless otherwise provided for above, the plate must comply with the requirements of Regulation (EU) No. 2021/535/II : pass

