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WORKING DOCUMENT

From: To:	General Secretariat of the Council Working Party on Land Transport
N° Cion doc.:	ST 8255/25 + ADD 1 ST 8259/25 + ADD 1 - 4
Subject:	Proposal for a Directive of the European Parliament and of the Council amending Directive 2014/45/EU on periodic roadworthiness tests for motor vehicles and their trailers and Directive 2014/47/EU on the technical roadside inspection of the roadworthiness of commercial vehicles circulating in the Union Proposal for a Directive of the European Parliament and of the Council on the registration documents for vehicles and vehicle registration data recorded in national vehicle registers and repealing Council Directive 1999/37/EC - Comments from Portugal

Delegations will find, attached, comments from **Portugal** on the above-mentioned proposals.

COMMENTS FROM PORTUGAL

on the proposal for a Directive of the European Parliament and of the Council amending Directive 2014/45/EU on periodic roadworthiness tests for motor vehicles and their trailers and Directive 2014/47/EU on the technical roadside inspection of the roadworthiness of commercial vehicles circulating in the Union

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1. Opt-out to PTI for motorcycles should be retained

Amendments to Directive 2014/45/EU (Comission Proposal)

(1) Article 2 is amended as follows:

(b) in paragraph 2, the seventh indent is deleted;

Portugal does not agree with the elimination of the seventh point of article 2 in the Commission's proposal and considers that the current provisions should be preserved, as Member States must continue to have the option to exempt motorcycles from inspection.

As such, the text from current directive should be keeped.

<u>Justification:</u>

Portugal considers road safety to be a very relevant issue and is committed to road safety targets. Thus, we believe that the current framework, which allows Member States to apply an exclusion option for motorcycles over 125 cm³, continues to provide the necessary flexibility to accommodate national specificities.

Portugal supports the maintenance of this possibility, as it allows an evidence-based approach tailored to the road safety context and the administrative capacity of each Member State.

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2. ANNEXES to the proposal for a Directive of the European Parliament and of the Council amending Directive 2014/45/EU on periodic roadworthiness tests for motor vehicles and their trailers and Directive 2014/47/EU on the technical roadside inspection of the roadworthiness of commercial vehicles circulating in the Union

ANNEX I

Directive 2014/45/EU

PT proposes the introduction of tyre replacement period on item 5.2.3.

(xxvi) in the table, item 5.2.3 is replaced by the following:

‘

5.2.3. Tyres	Visual inspection of the entire tyre by either rotating the road wheel with it off the ground and the vehicle over a pit or on a hoist, or by rolling the vehicle backwards and forwards over a pit.	(a) Tyre size, load capacity, approval mark or speed category not in accordance with the requirements[1] and affecting road safety or environmental performance. Insufficient load capacity or speed category for actual use, tyre touches other fixed vehicle parts impairing safe driving.		X	 X
		(b) Tyres on same axle or on twin wheels of different sizes.		X	

		(c) Tyres on same axle of different construction (radial/ cross-ply).		X	
		(d) Any serious damage or cut to tyre. Cord visible or damaged.		X	 X
		(e) Tyre tread wear indicator becomes exposed. Tyre tread depth not in accordance with the requirements[1].		X	 X
		(f) Tyre rubbing against other components (flexible anti spray devices). Tyre rubbing against other components (safe driving not impaired)	X	 X	
		(g) Re-grooved tyres not in accordance with requirements[1]. Cord protection layer affected.		X	 X
		(h) Tyre obviously underinflated.	X		
		i) Tyres with a manufacturing date (week year) indicating a use time exceeding 10 years		X	

(NEW)

PT proposes the following amendment to item 9.4.1:

9.4.1. Passenger seats	Visual inspection	(…) Passenger safety belt defective – one or more units			X

’;

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PT GENERAL CONSIDERATIONS REGARDING ITEM 10

PT considers that most of the parameters to be inspected, related to driver assistance devices, are difficult to assess in-house for correct operation.

At the same time, it is considered essential that the information provided to inspectors allows identification of the devices currently encompassing a given make, model, and variant.

The reasons for failure generally indicated in item 10 needs to be simplified and better adapted to each system to be inspected.

It is questionable whether the additional time required to perform the checks recommended in item 10 was estimated.

(xxxv) in the table, the following item 10 is added:

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10. ELECTRONIC SAFETY SYSTEMS					
10.1. Cornering light Description: during cornering, an extra headlamp is activated. Operates up to 40 km/h, for example in accordance with UNECE-R 48 or UNECE-R 119.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.2 Adaptive cruise control Description: The system maintains the vehicle's speed, depending on the preferred speed and distance to the vehicle in front.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of	(a) System or any component missing		X	
		(b) System or components damaged, or sensors obviously misaligned		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	

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	this item, if not diagnosed via the electronic interface.	(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.3 Adaptive deflectors Description: Depending on the vehicle's speed, the air deflectors are adjusted in order to improve driving stability.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.7 Automatic hold function Description: the system independently holds the vehicle after stopping using the service brake and/or parking brake and automatically releases them when starting.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.9 Automatic emergency braking system Description: the system independently starts braking in order to avoid a collision with an obstacle or another road user, or to reduce the	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface	(a) System or any component missing		X	
		(b) System or components damaged, or sensors obviously misaligned		X	
		(c) Software version or -integrity incorrect		X	

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consequences of an inevitable impact.	PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operative (for example audio components)		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.10 Anti-lock braking system Description: the system automatically prevents wheel-locking during braking by selective reduction of the wheel brake force, for example in accordance with UNECE-R 13 and Regulation (EU) 2019/2144.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components (for example wheel speed sensor) damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.14 Electronic damping Description: depending on the driving situation, the rebound and compression stage of the shock absorbers is adjusted by the system.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.15 Electronic brake system Description: a brake pedal sensor and/or pressure sensor records the braking request and calculates the optimal brake force for each wheel, so that there is optimal activation of all wheel brakes.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface, or by road test. PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.16 Electronic stability program Description: the system stabilizes the vehicle or the complete vehicle train in critical, dynamic driving situations, for example in accordance with Regulation (EU) 2019/2144 and UNECE-R 140.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component (for example wheel speed sensors) missing		X	
		(b) System or components (for example wheel speed sensors) damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.17 High beam assist Description: the system automatically activates and deactivates the high beam according to the driving situation and lighting conditions.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.18 Speed limiter Description: While driving, the system prevents exceeding a defined maximum speed. Relevant, if mandatory, for example in	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface	(a) System or any component missing (for example seals, plaques), or not fitted in accordance with the requirements.		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	

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accordance with UNECE-R 89 and Regulation (EU) 2019/2144.	PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation (for example tampered or manipulated, or size of tyres not compatible with calibration parameters, or incorrect set speed, if checked).		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.20 Taillight switching Description: Depending on operating status and/or failure of the illuminants, lighting functions are taken over by other luminaires.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface. It is not known how the inspector can verify operation without introducing a fault.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.21 Bending light Description: during cornering and depending on the steering angle and speed, the light beam is swivelled and/or an additional headlight is activated, for example in accordance with UNECE-R 48; UNECE-R 98; UNECE-R 112; or UNECE-R 123.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.22 Steering assist Description: depending on the driving situation, the steering angle is automatically changed, without intervention by the driver. Relevant if the steering intervention occurs at a speed of more than 15 km/h, for	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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example in accordance with UNECE-R 79.	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operative (for example audio components)		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.24 Emergency braking signal Description: during strong deceleration, hazard warning lights and/or additional luminous surfaces are activated and/or the following traffic is warned by flashing brake lights, for example in accordance with UNECE-R 48 or UNECE-R 13.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	

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		(f) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.25 Pre-crash system Description: in a critical driving situation, the vehicle is prepared for the crash so that the risk of injury to the passengers and/or other road users is reduced.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation (for example power windows)		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.26 Tyre pressure warning Description: the system detects loss of tyre pressure through integrated sensors and/or by implausible values for wheel speed, for example in accordance with Regulation (EU) 2019/2144 and UNECE-R 141.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.28 Superimposed steering Description: depending on the driving situation, the system varies the transmission ratio of the steering.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating (for example power assistance not working), or implausible operation (for example inconsistency between the angle of the steering wheel and the angle of the wheels.) Steering affected		X	 X

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.30 Hydrogen installation Description: the hydrogen is stored in the vehicle and is used to propel the vehicle, either by combustion in an internal combustion engine or by conversion in a fuel cell with an additional electric engine.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: This inspection must include checks through diagnostic means, using specific equipment and methodologies to be defined, or a certificate issued by an independent laboratory, regarding the integrity and correct functioning of the installation.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.32 Trailer stabilization Description: through selective braking of the trailer by the service brakes, the complete vehicle train is stabilised.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.33 Endurance brake Description: an additional braking system that can maintain braking over a period of time without a significant reduction in performance, for example in accordance with UNECE-R 13 and Regulation (EU) 2019/2144.	Visual inspection (with command activated and not activated, if possible) complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing (for example Insecure connectors or mountings)		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	

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		(j) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.34 Differential lock deactivation Description: when this system is activated, the differential locks are unlocked depending on parameters (for example wheel slip, steering angle, speed).	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation Steering affected		X	X
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.39 Steering brake Description: during cornering, dosed	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the	(a) System or any component missing		X	
		(b) System or components damaged		X	

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braking is applied to one or more wheels.	necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation Steering affected		X	X
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.44 Adaptive headlights Description: the illumination of the surrounding road area and/or the direct illumination of road users in the danger area in front of the vehicle is optimised by dynamic adaption of the light beams.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	

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	this item, if not diagnosed via the electronic interface.	(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.46 Lane change assistance Description: at a lane change, the system warns the driver about vehicles in the next lane and steers the vehicle back.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.47 Lane keeping assistance Description: the system warns the driver when the vehicle is unintentionally leaving its lane and steers the vehicle back, e.g. in accordance with Regulation (EU) 2019/2144 and Commission Implementing Regulation (EU) 2021/646*.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.48 Automatic eCall Description: the system is triggered automatically by in-vehicle sensors or manually, it transmits a minimum set of data (EN 15722) via mobile communication network and establishes an audio connection based on the (emergency) number	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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between the vehicle passengers and the public safety answering point, in accordance with Regulation (EU) 2015/758 of the European Parliament and of the Council**, and Commission Delegated Regulation (EU) 2017/79***.	The verification of the minimum set of data (MSD) includes checking whether: - the mandatory fields are filled with plausible information; - the deviation between in-vehicle system (IVS) location and true location is less than 150 meters. The calculation can be done according to point 2.5 of Annex I of Commission Delegated Regulation (EU) 2017/79; - the deviation between the MSD timestamp and the timestamp of the reading is less than 60s. PT Comment: How can mandatory data verification be performed? It's important to specify the method of implementation in the CITV, equipment, time required, ...	(e) Warning device (eCall MIL) shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board	X	X	X
		(g) System or components not operating, or implausible operation: - audio components (for example failing echo-test); - minimum set of data incorrect		X	
		(h) Other failure (for example mobile network communication device, electronic control unit, or GPS signal failure) Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board	X	X	X
10.49 Active roll stabilisation Description: via appropriate actuators the system produces a roll movement which counters the vehicle's body roll movement depending on the current driving situation.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.51 Acoustic vehicle alerting Description: at low speed, the system generates an external, specific sound in order to warn, for example pedestrians.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: The inspection of this item should include a real-time check, even if the system doesn't indicate a fault. It's unknown whether this situation can be verified indoors, as the description specifically mentions "at low speed." How can I confirm that the noise level observed meets the approved level? Is a noise test always required?	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operative, or not respecting type-approved noise levels		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.53 Automated lane keeping system (ALKS) Description: a system which is activated by the driver, and which keeps the vehicle within its lane by controlling the lateral and longitudinal movements of the vehicle for extended periods without	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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the need for further driver input (for example in accordance with UNECE-R 157).	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
10.54 Turning assistant Description: a system to inform the driver of a possible collision with a traffic participant (for example bicycle) near side (for example in accordance with UNECE-R 151).	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.56 Intelligent speed assistance Description: system to aid the driver in maintaining the appropriate speed for the road environment by providing dedicated and appropriate feedback, for example in accordance with Regulation (EU) 2019/2144 and Commission Delegated Regulation (EU) 2021/1958*****.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(g) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.58 Driver drowsiness and attention warning Description: system that assesses the driver's alertness through vehicle systems analysis and warns the driver if needed, for example in accordance with Regulation (EU) 2019/2144 and Commission	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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Delegated Regulation (EU) 2021/1341******.	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.59 Advanced driver distraction warning Description: system that helps the driver to continue to pay attention to the traffic situation and that warns the driver when he or she is distracted, for example in accordance with Regulation (EU) 2019/2144 and Commission Delegated Regulation (EU) 2023/2590*******.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation		X	

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		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.61 Automated driving system Description: systems that are capable of performing the entire dynamic driving task of the fully automated vehicle on a sustained basis, for example in accordance with Regulation (EU) 2019/2144 and Commission Implementing Regulation (EU) 2022/1426*********.	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment: Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	
		(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
		(g) System or components not operating, or implausible operation (for example HMI)		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	X	X
10.62 Driver availability monitoring systems (automated driving) Description: System that assesses whether the driver is capable of taking over the driving function of a self-driving vehicle, if necessary, in certain situations, for example in	Visual inspection complemented, where made possible by the technical characteristics of the vehicle and where the necessary data is made available, with the use of electronic interface PT Comment:	(a) System or any component missing		X	
		(b) System or components damaged		X	
		(c) Software version or -integrity incorrect		X	
		(d) Wiring damaged		X	

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accordance with Regulation (EU) 2019/2144 and UNECE-R 157.	Absolute necessary to confirm the effectiveness of the indoor inspection of this item, if not diagnosed via the electronic interface.	(e) Warning device shows system malfunction.		X	
		(f) System indicates failure via the electronic vehicle interface Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X
		(g) System or components not operating, or implausible operation (for example HMI)		X	
		(h) Other failure Not affecting the safe operation Affecting safe operation of the vehicle Danger to health of persons on board or of other road users	X	 X	 X

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* Commission Implementing Regulation (EU) 2021/646 of 19 April 2021 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of motor vehicles with regard to their emergency lane-keeping systems (ELKS) (OJ L 133, 20.4.2021, p. 31, ELI: http://data.europa.eu/eli/reg_impl/2021/646/oj).

** Regulation (EU) 2015/758 of the European Parliament and of the Council of 29 April 2015 concerning type-approval requirements for the deployment of the eCall in-vehicle system based on the 112 service and amending Directive 2007/46/EC (OJ L 123, 19.5.2015, p. 77, ELI: http://data.europa.eu/eli/reg/2015/758/oj).

*** Commission Delegated Regulation (EU) 2017/79 of 12 September 2016 establishing detailed technical requirements and test procedures for the EC type-approval of motor vehicles with respect to their 112-based eCall in-vehicles systems, of 112-based eCall in-vehicle separate technical units and components and supplementing and amending Regulation (EU) 2015/758 of the European Parliament and of the Council with regard to the exemptions and applicable standards (OJ L 12, 17.1.2017, p. 44, ELI: http://data.europa.eu/eli/reg_del/2017/79/oj).

**** Regulation (EU) No 165/2014 of the European Parliament and of the Council of 4 February 2014 on tachographs in road transport, repealing Council Regulation (EEC) No 3821/85 on recording equipment in road transport and amending Regulation (EC) No 561/2006 of the European Parliament and of the Council on the harmonisation of certain social legislation relating to road transport (OJ L 60, 28.2.2014, p. 1, ELI: http://data.europa.eu/eli/reg/2014/165/oj).

***** Commission Delegated Regulation (EU) 2021/1958 of 23 June 2021 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of motor vehicles with regard to their intelligent speed assistance systems and for the type-approval of those systems as separate technical units and amending Annex II to that Regulation (OJ L 409, 17.11.2021, p. 1, ELI: http://data.europa.eu/eli/reg_del/2021/1958/oj).

****** Commission Delegated Regulation (EU) 2021/1341 of 23 April 2021 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of motor vehicles with regard to their driver drowsiness and attention warning systems and amending Annex II to that Regulation (OJ L 292, 16.8.2021, p. 4, ELI: http://data.europa.eu/eli/reg_del/2021/1341/oj).

******* Commission Delegated Regulation (EU) 2023/2590 of 13 July 2023 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of certain motor vehicles with regard to their advanced driver distraction warning systems and amending that Regulation (OJ L, 2023/2590, 22.11.2023, ELI: http://data.europa.eu/eli/reg_del/2023/2590/oj).

******** Commission Delegated Regulation (EU) 2022/545 of 26 January 2022 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the specific test procedures and technical requirements for the type-approval of motor vehicles with regard to their event data recorder and for the type-approval of those systems as separate technical units and

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amending Annex II to that Regulation (OJ L 107, 6.4.2022, p. 18, ELI: http://data.europa.eu/eli/reg_del/2022/545/oj).

********* Commission Implementing Regulation (EU) 2022/1426 of 5 August 2022 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of the automated driving system (ADS) of fully automated vehicles (OJ L 221, 26.8.2022, p. 1, ELI: http://data.europa.eu/eli/reg_impl/2022/1426/oj).

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ANNEX [II]

Annexes II, III, IV and V to Directive 2014/47/EU are amended as follows:

(1) Annex II is amended as follows:

(a) in point 1, the following point (10) is added:

'(10) Electronic safety systems.';

(b) point 3 is amended as follows:

(i) the heading is replaced by the following:

'3. CONTENTS AND METHODS OF TESTING, REASONS FOR FAILURE, AND ASSESSMENT OF DEFICIENCIES OF VEHICLES';

(ii) in the table, items 1.1.3 to 1.1.6 are replaced by the following:

Regarding Annexes II, III, IV and V to Directive 2014/47/EU, Portugal reiterates the above comments referred in item 10 of Annex I to Directive 2014/45/EU.

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