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(52nd GRE, 30 March – 2 April 2004)

Informal document No. ~~WP.29-132-5~~
(~~132nd WP.29, 9 – 12 March 2004,~~
~~agenda item A.6.3.-)~~

AGREEMENT CONCERNING THE ADOPTION OF UNIFORM CONDITIONS
FOR PERIODICAL TECHNICAL INSPECTIONS OF WHEELED VEHICLES AND THE
RECIPROCAL RECOGNITION OF SUCH INSPECTIONS

**PROPOSAL FOR DRAFT ADDENDUM 2 - RULE No. 2:
UNIFORM PROVISIONS FOR PERIODICAL TECHNICAL INSPECTIONS OF
WHEELED VEHICLES WITH REGARD TO THEIR ROADWORTHINESS**

Transmitted by the expert from Germany

Note: This document is based on document TRANS/WP.29/2003/16 and is meant to supersede the latter. The text reproduced below was prepared by the German expert and includes all relevant changes and supplements deemed necessary by the German side.

The GROUNDS for the various proposed changes and supplements as well as NOTES AND RECOMMENDATIONS for the implementation of the 1997 Agreement are attached hereto.

Note by the secretariat: This document is an extract of the original informal document WP.29-132-5 (available on the WP.29 website), tabled by representative of Germany at the one-hundred-and-thirty-second session of WP.29. The text only refers to the provisions of chapter 5. of Rule No. 2 concerning the inspection requirements for lamps, reflectors and electrical equipment of vehicles. WP.29 requested the secretariat to distribute this document for consideration to its subsidiary bodies (see report TRANS/WP.29/992, para. 61)

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Annex

MINIMUM INSPECTION REQUIREMENTS

The inspection shall cover at least the items listed below.

Item	Method 2/	Principal reasons for rejection
0. GENERAL		
...		
1. IDENTIFICATION OF THE VEHICLE 1/		
...		
2. BRAKING EQUIPMENT		
...		
3. STEERING		
...		
4. VISIBILITY		
...		
5. LAMPS, REFLECTORS AND ELECTRICAL EQUIPMENT		
5.1. Headlamps		
5.1.1. Condition and operation	Visual inspection and by operation.	(a) Defective bulb. (b) Defective lens. (c) Lamp not in accordance with the regulations. 2/ (d) Lamp not securely attached. (e) Products on lens or bulb which reduce light intensity or change colour.
5.1.2. Alignment	Determine the horizontal and vertical aim of each headlamp on both main and dipped beam using a headlamp aiming device.	Aim of a headlamp not within limits laid down in the regulations. 2/
5.1.3. Switching	Visual inspection and by operation.	(a) Number of headlamps illuminated at the same time not in accordance with the regulations. 2/ (b) Function of control device impaired.
5.1.4. Compliance with regulations 2/ (X) 7/	Visual inspection and by operation.	Lamp colour, position or intensity not in accordance with the regulations. 2/
5.1.5. Levelling devices (where mandatory) (X) 7/ 2/	Visual inspection and by operation.	(a) Device not operating. (b) Manual device cannot be operated from driver's seat.
5.1.6. Headlamp	Visual inspection and by operation.	Washer not operating.

2/ "Regulations or methods" means the relevant national or international requirements specified in national legislation.

7/ "(X)" identifies items which are related to the condition of the vehicle and its suitability for use on the road, but which are not considered essential in a periodic inspection- **unless parts/systems/equipment are concerned which are mandatory.**

Item	Method <u>2</u> /	Principal reasons for rejection
washers (where mandatory) (X) <u>7</u> / <u>2</u> /		
5.2. Front and rear position (side) lamps, side marker lamps, and end outline marker and daytime running lamps		
5.2.1. Condition and operation	Visual inspection and by operation.	(a) Defective bulb. (b) Defective lens. (c) Lamp not securely attached.
5.2.2. Compliance with regulations <u>2</u> /	Visual inspection and by operation.	(a) Lamp, colour, position or intensity not in accordance with the regulations. <u>2</u> / (b) Products on lens or bulb which reduce light intensity or change colour. (c) Switch does not operate in accordance with the regulations. <u>2</u> /
5.3. Stop Lamps		
5.3.1. Condition and operation	Visual inspection and by operation.	(a) Defective bulb. (b) Defective lens. (c) Lamp not securely attached.
5.3.2. Compliance with regulations <u>2</u> /	Visual inspection and by operation.	(a) Lamp, colour, position or intensity not in accordance with the regulations. <u>2</u> / (b) Switch does not operate in accordance with the regulations. <u>2</u> /
5.4. Direction indicator and hazard warning lamps		
5.4.1. Condition and operation	Visual inspection and by operation.	(a) Defective bulb. (b) Defective lens. (c) Lamp not securely attached.
5.4.2. Compliance with regulations <u>2</u> /	Visual inspection and by operation.	Lamp, colour, position or intensity not in accordance with the regulations. <u>2</u> /
5.4.3. Switching	Visual inspection and by operation.	Switch does not operate in accordance with the regulations. <u>2</u> /
5.4.4. Flashing frequency	Visual inspection and by operation.	Rate of flashing not in accordance with the regulations. <u>2</u> /
5.5. Front and rear fog lamps		
5.5.1. Condition and operation	Visual inspection and by operation.	(a) Defective bulb. (b) Defective lens. (c) Lamp not securely attached. (d) Front fog lamp out of alignment
5.5.2. Compliance with regulations <u>2</u> /	Visual inspection and by operation.	(a) Lamp colour, position or intensity not in accordance with the regulations. <u>2</u> / (b) System does not operate in accordance with the regulations. <u>2</u> /
5.6. Reversing lamps (X) <u>7</u>/		
5.6.1. Condition and operation	Visual inspection and by operation.	(a) Defective bulb. (b) Defective lens. (c) Lamp not securely attached.
5.6.2. Compliance with regulations <u>2</u> /	Visual inspection and by operation.	(a) Lamp colour, position or intensity not in accordance with the regulations. <u>2</u> / (b) System does not operate in accordance with the regulations. <u>2</u> /

Item	Method <u>2/</u>	Principal reasons for rejection
5.7. Rear registration plate lamp		
5.7.1. Condition and operation	Visual inspection and by operation.	(a) Lamp throwing light to the rear. (b) Defective bulb. (c) Lamp not securely attached.
5.7.2. Compliance with regulations <u>2/</u>	Visual inspection and by operation.	System does not operate in accordance with the regulations. <u>2/</u>
5.8. Retro-reflectors, side reflectors and rear marker plates; plates and markings to ECE-R 69, 70 and 104		
5.8.1. Condition	Visual inspection.	(a) Reflecting equipment defective or damaged. (b) Reflector / plates not securely attached.
5.8.2. Compliance with regulations <u>2/</u>	Visual inspection.	Not in accordance with the regulations. <u>2/</u>
5.9. Tell-tales		
5.9.1. Condition and operation	Visual inspection and by operation.	Not operating.
5.9.2. Compliance with regulations <u>2/</u>	Visual inspection and by operation.	Not in accordance with the regulations. <u>2/</u>
5.10. Electrical connections between towing vehicle and trailer or semi-trailer	Visual inspection: . If possible examine the electrical continuity between the vehicles; in the case of ISO connectors, make sure the contacts are properly assigned. 2/	(a) Fixed components not securely attached. (b) Damaged or deteriorated insulation. (c) Trailer or towing vehicle electrical connections not functioning correctly.
5.11. Electrical wiring	Visual inspection with vehicle over a pit or on a hoist, including in the engine compartment in some cases.	(a) Wiring insecure or not adequately secured. (b) Damaged or deteriorated insulation.
5.12. Non obligatory lamps (X) <u>7/ 2/ 8/</u>	Visual inspection and by operation.	(a) A lamp fitted not in accordance with the regulations. <u>2/</u> (b) Lamp operation not in accordance with the regulations. <u>2/</u> (c) Total intensity (including headlamps) not in accordance with the regulations. <u>2/</u> (d) Lamp not securely attached.
5.13. Battery	Visual inspection.	(a) Insecure. (b) Leaking. (c) Defective switch (if required). (d) Defective fuses (if required).

8/ Non-mandatory lamps within the meaning of this regulation are

- all lamps referred to in the harmonized mounting instructions (e.g. ECE-R 48) as optional
- lamps other than those mentioned in the harmonized mounting instructions which may be used in the state concerned or are mandatory for specific vehicles.