

Informal Document No. **WP.29-133-5**
(133rd WP.29, 22-25 June 2004,
agenda items 6.3. and B.3.4.)

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 Working Party on Lighting and Light-Signalling (GRE)

Note: The text reproduced below is based on document TRANS/WP.29/2004/47 which
meant to supersede document TRANS/WP.29/2003/16.

At its fifty-second session on April 2004, GRE considered the proposal by Germany with regard to the inspection requirements for lamps, reflectors and electrical equipment (item 5 of the annex to Rule No. 2). GRE agreed on the amendments to the proposed text as reproduced below and GRE agreed to transmit this document to WP.29 and AC.4 for consideration at their June 2004 session (TRANS/WP.29/GRE/52, para. 66). The modifications to the initial text are marked in bold characters.

"Annex

MINIMUM INSPECTION REQUIREMENTS

The inspection shall cover at least the items listed below.

Item	Method <u>2/</u>	Principal reasons for rejection
...		
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. <u>2/</u> (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. <u>2/</u>
5.1.3. Switching	Visual inspection and by operation.	(a) Number of headlamps illuminated at the same time not in accordance with the regulations. <u>2/</u> (b) Function of control device impaired.
5.1.4. Compliance with regulations <u>2/</u> (X) <u>2/</u>	Visual inspection and by operation.	Lamp colour, position or intensity not in accordance with the regulations. <u>2/</u>
5.1.5. Levelling devices (where required by regulation) (X) <u>2/</u>	Visual inspection and by operation.	(a) Device not operating. (b) Manual device cannot be operated from driver's seat.
5.1.6. Headlamp washers (where required by regulation) (X) <u>2/</u>	Visual inspection and by operation.	Washer not operating.
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.

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

2/ "(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 **nor mandatory** in a periodic inspection.

Item	Method <u>2/</u>	Principal reasons for rejection
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>
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>

Item	Method <u>2/</u>	Principal reasons for rejection
5.8. Retro-reflecting materials and devices required by regulations <u>2/</u>		
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. <u>2/</u>	(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. lamps not required by regulation (X) <u>7/</u> <u>2/</u> <u>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).

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- 8/ **"lamps not required by regulation"** within the meaning of this regulation are
- all lamps referred to in the harmonized mounting instructions (e.g. **ECE-Regulation No. 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."
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