



## **Vehicle Standard (Australian Design Rule 54/00 – Headlamps for Mopeds) 2006**

I, JAMES ERIC LLOYD, Minister for Local Government, Territories and Roads,  
determine this vehicle standard under subsection 7 (1) of the *Motor Vehicle Standards  
Act 1989*.

Dated            31 July 2006

[SIGNED]

James Eric Lloyd

Minister for Local Government, Territories and Roads

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**0. LEGISLATIVE PROVISIONS****0.1. NAME OF STANDARD**

0.1.1. This Standard is the Vehicle Standard (Australian Design Rule 54/00 – Headlamps for Mopeds) 2006.

0.1.2. This Standard may also be cited as Australian Design Rule 54/00 — Headlamps for Mopeds.

**0.2. COMMENCEMENT**

0.2.1. This Standard commences on the day after it is registered.

**0.3. REPEAL**

0.3.1. This Standard repeals each vehicle standard with the name Australian Design Rule 54/00 — Headlamps for Mopeds that is:

(a) made under section 7 of the Motor Vehicle Standards Act 1989; and

(b) in force at the commencement of this Standard.

0.3.2. This Standard also repeals each instrument made under section 7 of the Motor Vehicle Standards Act 1989 that creates a vehicle standard with the name Australian Design Rule 54/00 — Headlamps for Mopeds, if there are no other vehicle standards created by that instrument, or amendments to vehicle standards made by that instrument, that are still in force at the commencement of this Standard.

**1. SCOPE**

This Australian Design Rule (ADR) prescribes the photometric requirements for headlamps using filament lamps producing one single passing beam and which was provided for mopeds.

**2. APPLICABILITY AND IMPLEMENTATION**

2.1. The circumstances under which moped headlamps are mandatory, optional, or prohibited are set out in either ADRs 13/..., 19/... or 67/...

**3. DEFINITIONS**

3.1. Refer to paragraph 2 of Appendix A.

**4. REQUIREMENTS**

4.1. Devices complying with the technical requirements of Appendix A as varied by part 5 Exemptions and Alternative Procedures and part 6 Supplementary General Requirements shall be accepted as complying with this rule.

## **5. EXEMPTIONS AND ALTERNATIVE PROCEDURES**

- 5.1. The following provisions of appendix A do not apply to this rule
- 5.1.1. Section 3 Application for approval  
Section 4 Markings  
Section 5 Approval  
Section 10 Penalties for non conformity of production  
Section 11 Modification and extension of approval of a type of headlamp  
Section 12 Production definitely discontinued  
Section 13 Names and addresses of technical services responsible for conducting approval tests, and of administrative departments
- Annexes
- Annex 1 Communication concerning the approval (or refusal or withdrawal of approval or production definitely discontinued) of a type of illuminating device for rear registration plates pursuant to Regulation No. 50
- Annex 2 Arrangements of approval marks
- 5.1.2. Paragraphs 2.3 and 3.3 in Annex 5.

## **6. SUPPLEMENTARY GENERAL REQUIREMENTS**

The following general requirements are supplementary to the requirements of Appendix A:

- 6.1. The requirements and procedures set out in Annexes 4 and 5 of Appendix A of UN ECE Regulation are acceptable for the purposes of demonstrating compliance with the technical requirements of this rule.

## **7. ALTERNATIVE STANDARDS**

- 7.1. The technical requirements of any of the editions of United Nations – Economic Commission for Europe (UN ECE) Regulation No. 56 - UNIFORM PROVISIONS CONCERNING THE APPROVAL OF HEADLAMPS FOR MOPEDS AND VEHICLES TREATED AS SUCH incorporating the 00 series of amendments are deemed to be equivalent to the technical requirements of this rule.
- 7.2. The technical requirements of ECE Regulation No. 76/00 – UNIFORM PROVISIONS CONCERNING THE APPROVAL OF HEADLAMPS FOR MOPEDS EMITTING A DRIVING BEAM AND A PASSING BEAM incorporating the 00 series of amendments are deemed to be equivalent to the technical requirements of this rule.
- 7.3. The technical requirements of SAE J584 – Motorcycle Headlamps , Class C and Class E shall be deemed to be equivalent to the technical requirements of this rule.

**8. NOTES**

- 8.1. In place of Regulation No 48 where referenced in Appendix A, read ADR 13/00.
- 8.2. In place of Regulation No 37 where referenced in Appendix A, read ADR 51/00.

**APPENDIX A**

**UN-ECE REGULATION NO. 56/00  
UNIFORM PROVISIONS CONCERNING THE APPROVAL OF HEADLAMPS  
FOR MOPEDS AND VEHICLES TREATED AS SUCH**

## **Regulation No. 56**

### **UNIFORM PROVISIONS CONCERNING THE APPROVAL OF HEADLAMPS FOR MOPEDS AND VEHICLES TREATED AS SUCH CONTENTS REGULATION**

1. Scope
2. Definition of "type".
3. Application for approval
4. Marking
5. Approval
6. General Specifications
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8. Provisions concerning coloured lenses and filters
9. Conformity of production
10. Penalties for non-conformity of production
11. Modification and extension of approval of a type of headlamp
12. Production definitely discontinued
13. Names and addresses of technical services responsible for conducting approval tests and of administrative departments

#### **ANNEXES**

- Annex 1 - Communication concerning the approval or extension or refusal or withdrawal of approval or production definitely discontinued of a type of headlamp pursuant to Regulation No. 56
- Annex 2 - Arrangement of approval mark
- Annex 3 - Photometric measurements
- Annex 4 - Minimum requirements for conformity of production control procedures
- Annex 5 - Minimum requirements for sampling by an inspector

**Regulation No. 56**  
**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF HEADLAMPS**  
**FOR MOPEDS AND VEHICLES TREATED AS SUCH**

**1. SCOPE**

This Regulation applies to the approval of headlamps using filament lamps, producing one single passing beam, which are provided for the equipment of mopeds<sup>1/</sup> and vehicles treated as such.

**2. DEFINITION OF "TYPE"**

Headlamps of different "types" means headlamps which differ in such essential respects as:

- 2.1. the trade name or mark;
- 2.2. the characteristics of the optical system;
- 2.3. the inclusion or the suppression of components capable of altering the optical effects by reflection, refraction or absorption. A change in the colour of the beams emitted by headlamps whose other characteristics are not changed does not constitute a change of headlamp type: The same approval number shall accordingly be assigned to such headlamps.

**3. APPLICATION FOR APPROVAL**

The application for approval shall be submitted by the holder of the trade name or mark or by his duly accredited representative. Any application shall be accompanied by:

- 3.1. Drawings in triplicate, sufficiently detailed to permit identification of the type. The drawings must show the provided position for the approval mark and indicate the headlamp in front and in cross lateral elevation, with schematic indication of the optical grooves and prisms of the lens;
- 3.2. A brief technical description stating, in particular, the class of the filament lamp provided;
- 3.3. Two devices with colourless lenses.<sup>2/</sup>
- 3.4. The competent authority shall verify the existence of satisfactory arrangements for ensuring effective control of the conformity of production before type approval is granted.

**4. MARKINGS**

- 4.1. Headlamps submitted for approval shall clearly, legibly and indelibly bear the following inscriptions:
  - 4.1.1. the trade name or mark of the applicant;
  - 4.1.2. the identification of the category of the provided filament lamp;
- 4.2. Moreover, they shall include on the lens and on the main body (the reflector being considered as main body)<sup>3/</sup> a space of sufficient size to accommodate

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<sup>1/</sup> As defined in the 1968 Convention on Road Traffic, chapter I, 1 (m) (E/CONF.56/16/Rev.1).

<sup>2/</sup> If it is intended to manufacture the headlamp with coloured lenses, samples of coloured lenses shall be submitted in addition for testing of colour only.



the approval marking; these spaces must be shown on the drawings referred to in paragraph 3.1. above.

## **5. APPROVAL**

- 5.1. If the devices submitted in accordance with paragraph 3. above meet the requirements of this Regulation, approval shall be granted.
  - 5.2. An approval number shall be assigned to each type approved. Its first two digits (at present 00 for the Regulation in its original form) shall indicate the series of amendments incorporating the most recent major technical amendment made to the Regulation at the time of issue of the approval. The same Contracting Party may not assign the same number to another type of headlamp.
  - 5.3. Notice of approval or of extension or refusal of approval of a type of headlamp pursuant to this Regulation shall be communicated to the Parties to the 1958 Agreement which apply this Regulation, by means of a form conforming to the model in annex 1 to this Regulation.
  - 5.4. Every headlamp conforming to a type approved under this Regulation shall bear in the spaces referred to in paragraph 4.2. above, in addition to the marking prescribed in paragraph 4.1.
    - 5.4.1. an international approval mark <sup>4/</sup> consisting of:
      - 5.4.1.1. a circle surrounding the letter "E" followed by the distinguishing number of the country which has granted approval;<sup>5/</sup>
      - 5.4.1.2. an approval number.
  - 5.5. The markings according to paragraph 5.4. shall be clearly legible and indelible.
  - 5.6. Annex 2 to this Regulation gives an example of the arrangement of the approval mark.
- ## **6. GENERAL SPECIFICATIONS**
- 6.1. Each device shall conform to the specifications of paragraph 7. of this Regulation.
  - 6.2. Headlamps shall be so designed and constructed that, in normal use, despite the vibrations to which they may be subjected, their satisfactory operation

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<sup>3/</sup> If the lens cannot be separated from the main body (the reflector being considered as main body), the provision of such a space on the lens will suffice.

<sup>4/</sup> If different types of headlamps have an identical lens or an identical reflector, the lens and the reflector may bear the various approval marks of these types of headlamps, on condition that the approval number granted for the specific type submitted can be identified without ambiguity.

<sup>5/</sup> 1 for Germany, 2 for France, 3 for Italy, 4 for the Netherlands, 5 for Sweden, 6 for Belgium, 7 for Hungary, 8 for the Czech Republic, 9 for Spain, 10 for Yugoslavia, 11 for the United Kingdom, 12 for Austria, 13 for Luxembourg, 14 for Switzerland, 15 (vacant), 16 for Norway, 17 for Finland, 18 for Denmark, 19 for Romania, 20 for Poland, 21 for Portugal and 22 for the Russian Federation, 23 for Greece, 24 (vacant), 25 for Croatia, 26 for Slovenia, and 27 for Slovakia. Subsequent numbers shall be assigned to other countries in the chronological order in which they ratify or accede to the Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, and the numbers thus assigned shall be communicated by the Secretary-General of the United Nations to the Contracting Parties to the Agreement.

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continues to be ensured and they retain the characteristics prescribed by this Regulation.

- 6.3. The parts intended for holding the filament lamp in the reflector shall be so made that, even in darkness, the filament lamp can be mounted in no other position than the correct one.

## **7. SPECIAL SPECIFICATIONS**

- 7.1. The correct position of the lens in relation to the optical system shall be unequivocally marked and be locked against rotation in service.
- 7.2. For the measurement of the illumination produced by the headlamp, a measuring screen as described in annex 3 of this Regulation and a standard filament lamp with a smooth and colourless bulb according to the category S3 of Regulation No. 37 shall be used.

The standard filament lamp shall be adjusted to the applicable reference luminous flux according to values prescribed for these lamps in Regulation No. 37.

- 7.3. The beam shall have a cut-off sufficiently sharp in order that satisfactory aiming can practically be achieved with its aid. The cut-off shall be substantially horizontal and as straight as possible over a horizontal length of at least +/- 900 mm measured at a distance of 10 m.

When aimed according to annex 3, the headlamps shall meet the requirements specified in it.

- 7.4. The beam pattern shall not present any lateral variations detrimental to good visibility.
- 7.5. The illumination on the screen mentioned in paragraph 7.2. above shall be measured by means of a photo-receptor having a useful area comprised within a square of 65 mm side.

## **8. PROVISIONS CONCERNING COLOURED LENSES AND FILTERS**

- 8.1. Approval may be obtained for headlamps emitting either colourless or selective-yellow lights with an uncoloured lamp. Expressed in CIE trichromatic co-ordinates, the corresponding colorimetric characteristics for yellow glasses or filters are as follows:

Selective-yellow filter (screen or lens)

Limit towards redy  $>0.138 + 0.58 x$

Limit towards greeny  $<1.29 x - 0.1$

Limit towards whitey  $<- x + 0.966$

Limit towards spectral valuey  $<- x + 0.992$

which can also be expressed as follows:

dominant wave-length 575 - 585 nm

purity factor 0.90 - 0.98

The transmission factor must be  $> 0.78$

The transmission factor shall be determined by using a light source with a colour temperature of 2,854 degrees K. (Corresponding to illuminant A of the International

Commission on Illumination (CIE)).

8.2. The filter must be part of the headlamp, and must be attached to it in such a way that the user cannot remove it either inadvertently or intentionally, with ordinary tools.

8.3. Observation concerning colour

Since any approval under this Regulation is granted, pursuant to paragraph 8.1. above, for a type of headlamp emitting either colourless light or selective-yellow light; article 3 of the Agreement to which the Regulation is annexed shall not prevent the Contracting Parties from prohibiting headlamps emitting a beam of uncoloured or selective-yellow light on vehicles registered by them.

**9. CONFORMITY OF PRODUCTION**

9.1. Headlamps approved under this Regulation shall be so manufactured as to conform to the type approved by meeting the requirements set forth in paragraphs 7 and 8.

9.2. In order to verify that the requirements of paragraph 9.1. are met, suitable controls of the production shall be carried out.

9.3. The holder of the approval shall in particular:

9.3.1. ensure the existence of procedures for the effective control of the quality of products;

9.3.2. have access to the control equipment necessary for checking the conformity to each approved type;

9.3.3. ensure that data of test results are recorded and that related documents shall remain available for a period to be determined in accordance with the administrative service;

9.3.4. analyze the results of each type of test in order to verify and ensure the stability of the product characteristics, making allowance for variation of an industrial production;

9.3.5. ensure that, for each type of product, at least the tests prescribed in Annex 4 to this Regulation are carried out;

9.3.6. ensure that any collecting of samples giving evidence of non-conformity with the type of test considered shall give rise to another sampling and another test. All the necessary steps shall be taken to re-establish the conformity of the corresponding production.

9.4. The competent authority which has granted type approval may at any time verify the conformity control methods applicable to each production unit.

9.4.1. In every inspection, the test books and production survey records shall be presented to the visiting inspector.

- 9.4.2. The inspector may take samples at random to be tested in the manufacturer's laboratory. The minimum number of samples may be determined in the light of the results of the manufacturer's own checks.
- 9.4.3. When the quality level appears unsatisfactory or when it seems necessary to verify the validity of the tests carried out in the application of paragraph 9.4.2. above, the inspector shall select samples, to be sent to the technical service which has conducted the type approval tests, using the criteria of Annex 5.
- 9.4.4. The competent authority may carry out any test prescribed in this Regulation. These tests will be on samples selected at random without causing distortion of the manufacturer's delivery commitments and in accordance with the criteria of Annex 5.
- 9.4.5. The competent authority shall strive to obtain a frequency of inspection of once every two years. However, this is at the discretion of the competent authority and their confidence in the arrangements for ensuring effective control of the conformity of production. In the case where negative results are recorded, the competent authority shall ensure that all necessary steps are taken to re-establish the conformity of production as rapidly as possible.
- 9.5. Headlamps with apparent defects are disregarded.

## **10. PENALTIES FOR NON-CONFORMITY OF PRODUCTION**

- 10.1. The approval granted in respect of a type of headlamp pursuant to this Regulation may be withdrawn if the requirements set forth above are not met or if a headlamp bearing the approval mark does not conform to the type approved.
- 10.2. If a Contracting Party to the 1958 Agreement applying this Regulation withdraws an approval it has previously granted, it shall forthwith so notify the other Contracting Parties applying this Regulation, by means of a communication form conforming to the model in annex 1 to this Regulation.

## **11. MODIFICATION AND EXTENSION OF APPROVAL OF A TYPE OF HEADLAMP**

- 11.1. Every modification of the vehicle type shall be notified to the administrative department which approved the type of headlamp. The department may then either:
- 11.1.1. Consider that the modifications made are unlikely to have an appreciable adverse effect and that in any case the type of headlamp still complies with the requirements; or
- 11.1.2. Require a further test report from the technical service responsible for conducting the tests.
- 11.2. Confirmation or refusal of approval, specifying the alterations shall be communicated by the procedure specified in paragraph 5.3. above to the Parties to the Agreement applying this Regulation.
- 11.3. The competent authority issuing the extension of approval shall assign a series number for such an extension and inform thereof the other Parties to

the 1958 Agreement applying this Regulation by means of a communication form conforming to the model in annex 1 to this Regulation.

**12. PRODUCTION DEFINITELY DISCONTINUED**

If the holder of an approval completely ceases to manufacture a headlamp approved in accordance with this Regulation, he shall so inform the authority which granted the approval. Upon receiving the relevant communication that authority shall inform thereof the other Parties to the 1958 Agreement applying this Regulation by means of a communication form conforming to the model in annex 1 to this Regulation.

**13. NAMES AND ADDRESSES OF TECHNICAL SERVICES RESPONSIBLE FOR CONDUCTING APPROVAL TESTS, AND OF ADMINISTRATIVE DEPARTMENTS**

The Parties to the 1958 Agreement which apply this Regulation shall communicate to the United Nations Secretariat the names and addresses of the technical services responsible for conducting approval tests and of the administrative departments which grant approval and to which forms certifying approval or extension refusal or withdrawal of approval, issued in other countries, are to be sent.

**Annex 1**

**(maximum format: A4 (210 x 297mm))**

**COMMUNICATION**

issued by: Name of administration:



.....  
.....  
.....

- concerning:<sup>2/</sup> APPROVAL GRANTED  
APPROVAL EXTENDED  
APPROVAL REFUSED  
APPROVAL WITHDRAWN  
PRODUCTION DEFINITELY DISCONTINUED

of a type of headlamp pursuant to Regulation No. 56

Approval No. .... Extension No. ....

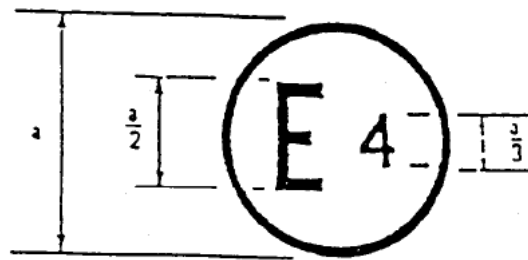
1. Headlamp type .....
2. Headlamp emitting, with a colourless lamp, a colourless beam/a selective yellow beam <sup>2/</sup> .....
3. Trade name or mark.....
4. Manufacturer's name and address.....
5. If applicable, name and address of manufacturer's representative .....
6. Submitted for approval on .....
7. Technical service responsible for conducting approval tests .....
8. Date of report issued by that service.....
9. Number of report issued by that service .....
10. Approval granted/extended/refused/withdrawn <sup>2/</sup> .....
11. Place.....
12. Date.....
13. Signature .....
14. The attached drawing No. .... bearing the approval number shows the headlamp.

<sup>1/</sup> Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation).

<sup>2/</sup> Strike out what does not apply.

**Annex 2**

**ARRANGEMENT OF APPROVAL MARK**



00243  $\frac{a}{3}$

$a \geq 5 \text{ mm}$

The headlamp bearing the above approval mark has been approved in the Netherlands (E 4) under approval number 00243. The first two digits of the approval number indicate that the approval was granted in accordance with the requirements of this Regulation in its original form.

Note

The approval number must be placed close to the circle and either above or below the "E" or to the left or right of that letter. The digits of the approval number must be on the same side of the "E" and face in the same direction. The use of Roman numerals as approval numbers should be avoided so as to prevent any confusion with other symbols.

### Annex 3

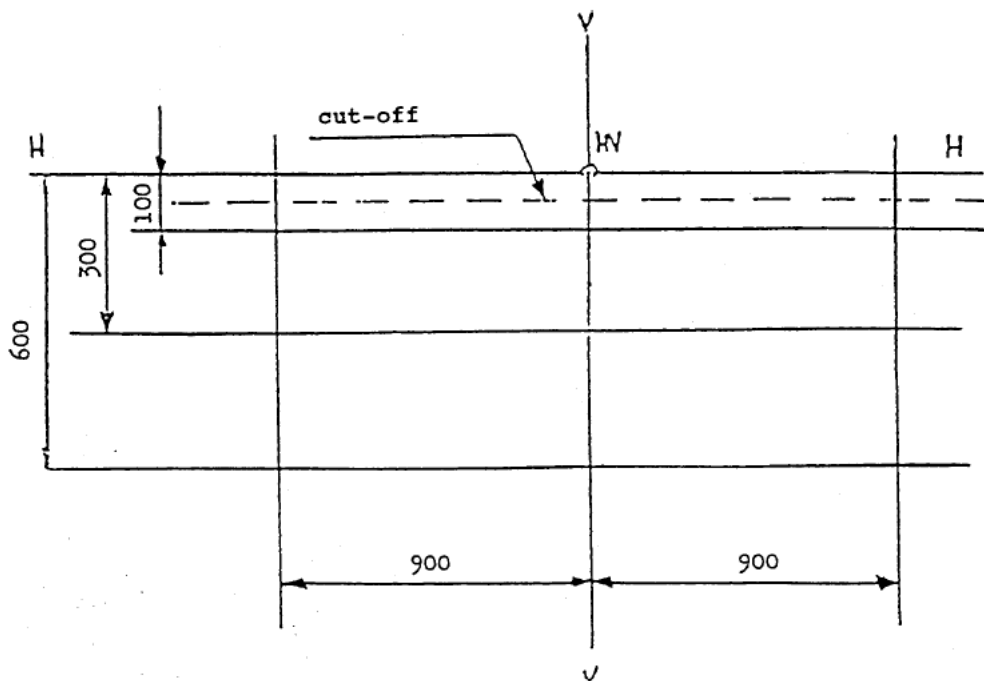
#### PHOTOMETRIC MEASUREMENTS

1. For measurements, the measuring screen shall be located at a distance of 10 m in front of the headlamp and perpendicular to a line joining the filament of the lamp and the point HV; the line H-H shall be horizontal. For lamps with transverse filament, the filament shall be as horizontal as possible during the measurements.
2. Laterally, the headlamps shall be so aimed that the beam is as symmetrical as possible with reference to the line V-V.
3. Vertically, the headlamp shall be so aimed that the illumination in point HV is 2 lx.

Under those conditions, the cut-off shall be situated between the line H-H and the line H-100 mm.

4. When aimed according to paragraphs 2 and 3 above, the illumination shall meet the following values:
  - 4.1. on the line H-H and above: 2 lx max.;
  - 4.2. on a line situated 300 mm below H-H and over a width of 900 mm in both sides of the vertical line V-V: not less than 8 lx;
  - 4.3. on a line situated 600 mm below the line H-H and over a width of 900 mm on both sides of the vertical line V-V: not less than 4 lx.

#### Measuring screen



(dimensions in mm or 10 m distance)



## **Annex 4**

### **MINIMUM REQUIREMENTS FOR CONFORMITY OF PRODUCTION CONTROL PROCEDURES**

#### **1. GENERAL**

- 1.1. The conformity requirements shall be considered satisfied from a mechanical and geometric standpoint, if the differences do not exceed inevitable manufacturing deviations within the requirements of this Regulation.
- 1.2. With respect to photometric performances, the conformity of mass-produced headlamps shall not be contested if, when testing photometric performances of any headlamp chosen at random and equipped with a standard filament lamp, no measured value deviates unfavourably by more than 20 % from the values prescribed in this Regulation.
- 1.3. If the results of the tests described above do not meet the requirements, tests on the headlamp shall be repeated, using another standard filament lamp.
- 1.4. Headlamps with apparent defects are disregarded.
- 1.5. The chromaticity coordinates shall be complied with when the headlamp is equipped with a filament lamp set to Standard A colour temperature.

The photometric performance of a headlamp emitting selective yellow light when equipped with a colourless filament lamp shall be the values contained in this Regulation multiplied by 0.84.

#### **2. MINIMUM REQUIREMENTS FOR VERIFICATION OF CONFORMITY BY THE MANUFACTURER**

For each type of headlamp the holder of the approval mark shall carry out at least the following tests, at appropriate intervals. The tests shall be carried out in accordance with the provisions of this Regulation. If any sampling shows non-conformity with regard to the type of test concerned, further samples shall be taken and tested. The manufacturer shall take steps to ensure the conformity of the production concerned.

##### 2.1. Nature of tests

Tests of conformity in this Regulation shall cover the photometric characteristics.

##### 2.2. Methods used in tests

- 2.2.1. Tests shall generally be carried out in accordance with the methods set out in this Regulation.
  - 2.2.2. In any test of conformity carried out by the manufacturer, equivalent methods may be used with the consent of the competent authority responsible for approval tests. The manufacturer is responsible for proving that the applied methods are equivalent to those laid down in this Regulation.
-

2.2.3. The application of paragraphs 2.2.1. and 2.2.2. requires regular calibration of test apparatus and its correlation with measurements made by a competent authority.

2.2.4. In all cases, the reference methods shall be those of this Regulation, particularly for the purpose of administrative verification and sampling.

2.3. Nature of sampling

Samples of headlamps shall be selected at random from the production of a uniform batch. A uniform batch means a set of headlamps of the same type, defined according to the production methods of the manufacturer. The assessment shall in general cover series production from individual factories. However, a manufacturer may group together records concerning the same type from several factories, provided these operate under the same quality system and quality management.

2.4. Measured and recorded photometric characteristics

The sampled headlamp shall be subjected to photometric measurements at the points provided for in the Regulation, the readings being limited to points HV, LH, RH, L 600 and R 600.

2.5. Criteria governing acceptability

The manufacturer is responsible for carrying out a statistical study of the test results and for defining, in agreement with the competent authority, criteria governing the acceptability of his products, in order to meet the specifications laid down for the verification of conformity of products in paragraph 9.1. of this Regulation. The criteria governing the acceptability shall be such that, with a confidence level of 95 %, the minimum probability of passing a spot check in accordance with Annex 5 (first sampling) would be 0.95.

**Annex 5**

**MINIMUM REQUIREMENTS FOR SAMPLING BY AN INSPECTOR**

**1. GENERAL**

- 1.1. The conformity requirements shall be considered satisfied from a mechanical and a geometric standpoint, if the differences do not exceed inevitable manufacturing deviations within the requirements of this Regulation.
- 1.2. With respect to photometric performance, the conformity of mass-produced headlamps shall not be contested if, when testing photometric performances of any headlamp chosen at random and equipped with a standard filament lamp, no measured value deviates unfavourably by more than 20 % from the values prescribed in this Regulation.
- 1.3. The chromaticity coordinates shall be complied with when the headlamp is equipped with a filament lamp set to Standard A colour temperature. The photometric performance of a headlamp emitting selective yellow light when equipped with a colourless filament lamp shall be multiplied by 0.84.

**2. FIRST SAMPLING**

In the first sampling four headlamps are selected at random. The first sample of two is marked A, the second sample of two is marked B.

2.1. The conformity is not contested

2.1.1. Following the sampling procedure shown in Figure 1 of this Annex the conformity of mass-produced headlamps shall not be contested if the deviation of the measured values of the headlamps in the unfavourable directions are:

2.1.1.1. sample A

- A1: one headlamp.....0 %  
one headlamp not more than 2 .....0 %
- A2: both headlamps more than.....0 %  
but not more than.....20 %

go to sample B

2.1.1.2. sample B

- B1: both headlamps .....0 %

2.2. The conformity is contested

2.2.1. Following the sampling procedure shown in Figure 1 of this Annex the conformity of mass-produced headlamps shall be contested and the manufacturer requested to make his production meet the requirements (alignment) if the deviations of the measured values of the headlamps are:

2.2.1.1.	sample A	
	A3: one headlamp not more than .....	20 %
	one headlamp more than.....	20 %
	but not more than.....	30 %
2.2.1.2.	sample B	
	B2: in the case of A2	
	one headlamp more than.....	0 %
	but not more than.....	20 %
	one headlamp not more than .....	20 %
	B3: in the case of A2	
	one headlamp.....	0 %
	one headlamp more than.....	20 %
	but not more than.....	30 %
2.3.	<u>Approval withdrawn</u>	
	Conformity shall be contested and paragraph 10 applied if, following the sampling procedure in Figure 1 of this Annex, the deviations of the measured values of the headlamps are:	
2.3.1.	sample A	
	A4: one headlamp not more than .....	20 %
	one headlamp more than.....	30 %
	A5: both headlamps more than.....	20 %
2.3.2.	sample B	
	B4: in the case of A	
	one headlamp more than.....	0 %
	but not more than.....	20 %
	one headlamp more than.....	20 %
	B5: in the case of A	
	both headlamps more than.....	20 %
	B6: in the case of A2	
	one headlamp.....	0 %
	one headlamp more than.....	30 %

### 3. REPEATED SAMPLING

In the cases of A3, B2, B3 a repeated sampling, third sample C of two headlamps and fourth sample D of two headlamps, selected from stock manufactured after alignment, is necessary within two months time after the notification.

3.1. The conformity is not contested

3.1.1. Following the sampling procedure shown in Figure 1 of this Annex the conformity of mass-produced headlamps shall not be contested if the deviations of the measured values of the headlamps are:

3.1.1.1. sample C

- C1: one headlamp.....0 %  
one headlamp not more than .....20 %
- C2: both headlamps more than .....0 %  
but not more than.....20 %

go to sample D

3.1.1.2. sample D

- D1: in the case of C2  
both headlamps.....0 %

3.2. The conformity is contested

3.2.1. Following the sampling procedure shown in Figure 1 of this Annex the conformity of mass-produced headlamps shall be contested and the manufacturer requested to make his production meet the requirements (alignment) if the deviations of the measured values of the headlamps are:

3.2.1.1. sample D

- D2: in the case of C2  
one headlamp more than.....0 %  
but not more than.....20 %  
one headlamp not more than .....20 %

3.3. Approval withdrawn

Conformity shall be contested and paragraph 10 applied if, following the sampling procedure in Figure 1 of this Annex, the deviations of the measured values of the headlamps are:

3.3.1. sample C

- C3: one headlamp not more than.....20 %  
one headlamp more than.....20 %
- C4: both headlamps more than .....20 %

3.3.2. sample D

- D3: in the case of C2  
one headlamp 0 or more than .....0 %  
one headlamp more than.....20 %

Figure 1

