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**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRE**

Proposal for the new 04 series of amendments to Regulation No. 27 (Advance warning triangles)

Submitted by the Working Party on Lighting and Light-Signalling *

Addendum

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its seventieth session (ECE/TRANS/WP.29/GRE/70, para. 35). It is based on ECE/TRANS/WP.29/GRE/2013/58, not amended. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration.

* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Paragraph 10.1., amend to read:

"10.1. Advance-warning triangles shall be so manufactured as to conform to the type approved under this Regulation.

The compliance with the requirements set forth in paragraphs 6., 7. and 8. above shall be verified as follows:"

Paragraphs 10.2. to 10.4.(former), renumber as paras. 10.1.1. to 10.1.3. and amend to read:

"10.1.1. In addition, the stability in time of the optical properties and colour of retro-reflecting optical units of advance-warning triangles conforming to an approved type and in use shall be verified. In the event of a systematic deficiency of the retro-reflecting optical units of advance-warning triangles in use and conforming to an approved type, approval may be withdrawn. A "systematic deficiency" shall be deemed to exist where an approved type of advance-warning triangle fails to meet the requirements of paragraph 6.2. of this Regulation.

10.1.2. The minimum requirements for Conformity of Production (CoP) control procedures set forth in Annex 7 to this Regulation shall be complied with.

10.1.3. The minimum requirements for sampling by an inspector set forth in Annex 8 to this Regulation shall be complied with."

Paragraph 10.5. (former), renumber as paragraph 10.2., to read:

"10.2. The authority which has granted type approval may at any time verify the conformity control methods applied in each production facility.

The normal frequency of these verifications shall be once every two years."

Annex 8,

Paragraphs 2. to 4. and figure 1, shall be deleted.

Insert new paragraphs 2. to 6., to read:

"2. First sampling

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

2.1. The conformity of mass-produced advance-warning triangles shall not be contested if the deviation of any specimen of samples A and B (all four advance-warning triangles) is not more than 20 per cent.

In the case that the deviation of both advance-warning triangles of sample A is not more than 0 per cent, the measurement can be closed.

2.2. The conformity of mass-produced advance-warning triangles shall be contested if the deviation of at least one specimen of samples A or B is more than 20 per cent.

The manufacturer shall be requested to bring his production in line with the requirements (alignment) and a repeated sampling according to paragraph 3. below shall be carried out within two months' time after the notification. The samples A and B shall be retained by the Technical Service until the entire CoP process is finished.

3. First repeated sampling

A sample of four advance-warning triangles is selected at random from stock manufactured after alignment,

The first sample of two is marked C, the second sample of two is marked D.

- 3.1. The conformity of mass-produced advance-warning triangles shall not be contested if the deviation of any specimen of samples C and D (all four advance-warning triangles) is not more than 20 per cent.
- In the case that the deviation of both advance-warning triangles of sample C is not more than 0 per cent, the measurement can be closed.
- 3.2. The conformity of mass-produced advance-warning triangles shall be contested if the deviation of at least:
- 3.2.1. One specimen of samples C or D is more than 20 per cent but the deviation of all specimens of these samples is not more than 30 per cent.
- The manufacturer shall be requested again to bring their production in line with the requirements (alignment).
- A second repeated sampling according to paragraph 4. below shall be carried out within two months' time after the notification. The samples C and D shall be retained by the Technical Service until the entire CoP process is finished.
- 3.2.2. One specimen of samples C and D is more than 30 per cent.
- In this case the approval shall be withdrawn and paragraph 5. below shall be applied.
4. Second repeated sampling
- A sample of four advance-warning triangles, is selected at random from stock manufactured after alignment.
- The first sample of two is marked E, the second sample of two is marked F.
- 4.1. The conformity of mass-produced advance-warning triangles shall not be contested if the deviation of any specimen of samples E and F (all four advance-warning triangles) is not more than 20 per cent
- In the case that the deviation of both advance-warning triangles of sample E is not more than 0 per cent, the measurement can be closed.
- 4.2. The conformity of mass-produced advance-warning triangles shall be contested if the deviation of at least one specimen of samples E or F is more than 20 per cent.
- In this case the approval shall be withdrawn and paragraph 5. below shall be applied.
5. Approval withdrawn
- Approval shall be withdrawn according to paragraph 9. of this Regulation.
6. Additional Tests
- With respect to the verification of the normal use the following procedures shall be applied:
- One additional advance-warning triangle shall be tested according to the procedures described in paragraph 1.5.3. to 1.8.3. of Annex 5.
- The advance-warning triangles shall be considered as acceptable if the tests have been passed.
- However, if the test on this sample is not complied with, the two other additional advance-warning triangles shall be subjected to the same procedure and both shall pass the test."
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