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Working Party on Lighting and Light-Signalling

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Item 17.4. of the provisional agenda

NEW AGENDA ITEMS

Regulation No. 104
(Retro-reflective markings)

Proposal for draft Supplement 5 to Regulation No. 104

Submitted by the expert from the Working Party "Brussels 1952"

The text reproduced below was prepared by the expert from the Working Party "Brussels 1952" (GTB) proposing to delete from Annex 6 those colorimetric requirements for retro-reflective materials that are applicable for measurements at daylight conditions.

Note: This document is distributed to the Experts of the Working Party on Lighting and Light-Signalling (GRE) only.

A. PROPOSAL

Annex 6,

Paragraph 2., should be deleted (including the deletion of table 1).

Paragraph 3., renumber as paragraph 2. and amend the existing reference to table 2 as reference to table 1.

Paragraph 3., table 2, renumber as table 1 (the note below the table remains unchanged).

B. JUSTIFICATION

The test specifications in paragraph 2. refer to the International Commission on Illumination (CIE) Standard illuminant D 65 and to normal 40°/0° geometry. These conditions correlate with visibility of the material during daylight. In addition, the current colour requirements (chromaticity coordinates) have been taken from the data applicable to road signs, where the primary visibility has to be ensured during daylight.

However, the principal objective of retro-reflective markings is to improve conspicuity and recognition of vehicles in darkness. Therefore, GTB proposes to delete paragraph 2. from Annex 6 to the Regulation.
