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agenda item 7.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 39
(Speedometer equipment)

Transmitted by the Expert from the International Organization
of Vehicle Manufacturers (OICA)

Note: The text reproduced below was prepared by the expert from OICA in order to reduce the minimum required diameter of the test roller for testing speedometers. It is based on a document distributed without a symbol (informal document No. 14) during the eightieth GRSG session (TRANS/WP.29/GRSG/59, para. 47).

Note: This document is distributed to the Experts on General Safety Provisions only.

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A. PROPOSAL

Paragraph 5.2.6.2., amend to read:

"5.2.6.2. If a roller dynamometer is used for the test, the diameter of the roller should be at least 0.4 m."

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B. JUSTIFICATION

OICA wishes to raise a physical difficulty in complying with existing testing provisions in the Regulation and would propose a solution:

Regulation No. 39 requires that, if a roller dynamometer is used for testing speedometers, the diameter of the rollers be at least 2 m. For mopeds the diameter can be reduced to 0.4 m. The use of 2 m rollers means that large and new investment for very expensive testing equipment is necessary; most countries will refrain from acquiring such equipment just for the speedometer test and will resort to actual running tests.

Since these outdoor tests are susceptible to weather conditions, however, it would be the best to conduct an indoor speedometer test on a chassis dynamometer currently used for emission tests. In reality this is not possible, because the diameter of the chassis dynamometer rollers is much smaller than 2 m as the minimum of only 0.4 m is required by Regulation No. 40 and Regulation No. 47.

This reduction in the roller diameter would not affect the overall speed measurement tolerance as shown on the attached diagram.

It is consequently proposed that the minimum diameter of the rollers in paragraph 5.2.6.2 Regulation No. 39 be amended from 2 m to 0.4 m for all categories of vehicles, so that the chassis dynamometers currently used by vehicle manufacturers for emission tests may be used for speedometer tests as well.

