

Proposals for draft amendments to the 04 series of the Regulation No.41*

The text reproduced below was prepared by the expert from the International Organization for Standardization (ISO) upon the request from the Working Party on Noise (GRB) during its fifty-fifth session (see ECE/TRANS/WP.29/GRB/53, paragraph IV). Modifications to the current provisions of the Regulations are marked in bold characters for new or as strikethrough for deleted text.

*ECE/TRANS/WP.29/2011/62

I. Proposal

Annex 3, paragraph 2.3.2., amend to read:

"2.3.2. Test site

A suitable test site shall be outdoors and consist of a level concrete, dense asphalt with no appreciable level of porosity or similar hard material flat surface, free from snow, grass, loose soil, ashes or other sound-absorbing material.

~~A suitable test site shall be outdoors and consist of a level concrete, dense asphalt or similar hard material flat surface, free from snow, grass, loose soil, ashes or other sound-absorbing material.~~ It shall be in an open space free from large reflecting surfaces, such as parked vehicles, buildings, billboards, trees, shrubbery, parallel walls, people, etc., within a 3 m radius from the microphone location and any point of the vehicle.

As an alternative to outside testing, a semi-anechoic chamber may be used. The semi-anechoic chamber shall fulfil the acoustical requirements given above. These requirements shall be met if the testing facility meets the 3 m distance criteria above and has a cut-off frequency below the lower of:

- (a) One-third-octave band below the lowest fundamental frequency of the engine during test conditions; and
- (b) 100 Hz. 2."

II. Justification

This proposal aim to update the above paragraph to be in line with the latest amendment of ISO 5130:2012. The purpose of the amendment is to prohibit the use of test surfaces with non-appreciable level of porosity.
