

## Modifications to ECE/TRANS/WP.29/GRSP/2025/3\*

The text reproduced below was prepared by the expert from the Kingdom of the Netherlands to allow the use of talcum for the dust resistance test as an alternative to dry quartz. It amends and supersedes working document ECE/TRANS/WP.29/GRSP/2025/3. The modifications are marked in bold for new and strikethrough for deleted characters. The modifications to working document ECE/TRANS/WP.29/GRSP/2025/3 are marked in blue.

### I. Proposal

*Paragraph 7.6.3.2., amend to read:*

“7.6.3.2. The dust used in the test described in paragraph 7.6.3.1. above shall consist of about 1 kg of dry quartz, ~~or alternatively, talcum~~. The particle size distribution is as follows:

- (a) Passing 150 µm aperture, 104 µm wire diameter: 99 to 100 per cent;
- (b) Passing 105 µm aperture, 64 µm wire diameter: 76 to 86 per cent;
- (c) Passing 75 µm aperture, 52 µm wire diameter: 60 to 70 per cent.

**Alternatively, if the test was conducted using a talcum that fulfils the material specifications as described in IEC 60529 and the test object met the requirements as described in paragraph 7.6.3.1., the test shall be considered satisfactory.”**

### II. Justification

1. Quartz is considered carcinogenic (group 1) to humans and therefore its use is restricted in several regions in the world, where UN Regulation 16 testing is performed.
2. The purpose of the dust test is to evaluate the sensitivity of the retractor for dust intrusion. It is not a durability test and therefore differences in hardness of the used dust particles will hardly influence the outcome of the test.
3. IEC 60529 is a generally accepted, and used, industry standard describing different degrees of protection provided by enclosures, indicated in IP classes. For IP classes IP5x and IP6x, this standard is using talcum which is able to pass through a square-meshed sieve the nominal wire diameter of which is 50 µm and the nominal width of a gap between wires 75 µm. This is very much in line with 7.6.3.2. (c) and therefore could be used as alternative.

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\* Proposal for **supplement 6 to the 08 series of amendments, supplement 2 to the 09 series of amendments and** supplement 2 to the 10 series of amendments to UN Regulation No. 16 (Safety-belts)