

Proposal to amend UN Regulation No. 158

I. Proposal

Annex 9, paragraph 1.3.3., amend to read:

“1.3. Test conditions.

1.3.1. Lighting

The ambient illumination conditions in which testing is conducted consists of light that is evenly distributed from above and is at an intensity of between 7,000 lux and 10,000 lux, as measured at the centre of the exterior surface of the vehicle's roof.

At the request of the manufacturer, the test may be carried out at lower ambient illumination intensity conditions.”

II. Justification

1. An outdoor illumination level of 7000 lux is sometimes difficult to reach in winter season.
2. When performing the test indoor, the test facility illumination intensity is often limited to 500 to 1000 lux. It would then require specific light equipment to reach the required 7000 lux, just for performing that test.
3. If the manufacturer is confident that his system can reach the required performance at a level of illumination lower than that requested by the text of the regulation, then he should be allowed to make such request. The performance requirements are of course still to be met
4. Testing at an illumination intensity lower than that currently required by the regulation makes a worse case.