Proposal for Amendments to GRB/2016/2 on Regulations No. 28

The text reproduced below was prepared by the expert from IMMA to provide comments on document ECE/TRANS/WP.29/GRB/2016/2. The proposed amendments to the GRB/2016/2 are marked in red bold for new or red strikethrough for deleted characters.

I. Proposal

“14.7. 14.3.6. The maximum sound-pressure level shall be sought within the range of 0.5 and 1.5 m above the ground; The maximum sound-pressure level shall be sought within the range of 0.5 and 1.5 m above the ground, and the height, at which the maximum sound-pressure level was found has to be fixed for the purpose of taking the measurements prescribed below.
...

“6.2.1.1. When no general statement or conclusion can be made about conformance of the sound level meter model to the full specifications of IEC 61672-1:2014:2002, the apparatus used for measuring the sound pressure level shall be a sound level meter or equivalent measurement system meeting the requirements of Class 1 instruments as described in IEC 61672-3:2014. Measurements shall be carried out using the "fast" response of the acoustic measurement instrument and the "A" weighting curve also described in IEC 61672-1:2014:2002. When using a system that includes a periodic monitoring of the A-weighted sound pressure level, a reading should be made at a time interval not greater than 30 ms.
...

“6.2.1.3. Compliance with requirements
Compliance of the sound calibrator with the requirements of IEC 60942:2003 and compliance of the instrumentation system with the requirements of IEC 61672-3:2014 shall be confirmed by the existence of a valid certificate of compliance.”
II. Justification

On new para. 14.3.6.: editorial clarification.
The purpose of fixing the height should be restricted for taking measurement in a particular test.
On para. 6.2.1.1. and para. 6.2.1.3.: Since sound level meters on the market don’t meet the latest standard yet, IMMA proposes to use same IEC standard as in ECE R51.03: IEC 61672-1:2002.