| **ORG** | **Paragraph #** | **Type of comment1** | **Original text (Consolidated version prepared by OICA)** | **Proposed change** | **Justification** |
| --- | --- | --- | --- | --- | --- |
| CH | *2.23* | Ed | 2.23 Table of symbols   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Lκj | dB(A) | Annex 7 | **3.5.** | sound pressure level measured for a gear κ and at a test point j; value to be reported and used for calculations to the first decimal place | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | Lκj | dB(A) | Annex 7 | **3.6.** | sound pressure level measured for a gear κ and at a test point j; value to be reported and used for calculations to the first decimal place | | Due to renumbering |
| CH | *2.29* | Ed/te | "2.29. “*Exterior Sound Enhancement System (ESES)*” means an active system that is installed on a vehicle for the purpose of producing exterior sound such as, but not limited to   * horns according to UN Regulations No. 28, or * AVAS according to UN Regulation No. 138, or * Audible reverse warning device according to UN Regulation No. 165, or * sound actuators, either integrated into an exhaust silencing system or mounted as an individual unit. " | 2.29. “*Exterior Sound Enhancement System (ESES)*” means an active system installed on a vehicle to generate exterior sound that enhances vehicle audibility or character in a manner not regulated by other UN Regulations. This includes but is not limited to AVAS according to UN Regulation No. 138 in the optional speed range and sound actuators, either integrated into an exhaust silencing system or mounted as an individual unit.  For the purpose of this Regulation, any system or function that is subject to applicable mandatory requirements under another UN Regulation shall not be considered an ESES. This includes, but is not limited to:  (a) horns according to UN Regulations No. 28;  (b) anti-theft according to UN Regulation No. 116;  (c) Audible reverse warning device according to UN Regulation No. 165;  (d) AVAS according to UN Regulation No. 138, in the mandatory speed range [+ a fade out area of 9.50 km/h]. | CH solution (in blue): split the definition between AVAS and ESES according to the speed range  Other good solution (without the blue part): divide the definition by optional and mandatory sounds regardless of the speed range. |
| CH | "6.2.3. | te | …  The sound emission of the vehicle under typical on-road driving conditions, which are different from those under which the type-approval test set out in Annex 3 and Annex 7 was carried out, shall not deviate from the test result in a significant manner.**[[1]](#footnote-1)**  Footnote:  1 **See recommendations provided by informal document GRB-68-03 as guidance for technical interpretation. The document can be found in https://unece.org/documents-reference-only-0.** | …  The sound emission of the vehicle under typical on-road driving conditions, which are different from those under which the type-approval test set out in Annex 3 and Annex 7 was carried out, shall not deviate from the test result in a significant manner.**1**  **If the vehicle is equipped with an** ~~electric sound enhancement system~~ **ESES the ESES shall be active and in the same configuration and activation state during the type-approval test (including tests specified in Annex 7 to this Regulation subject to paragraph 3.1. of Annex 7 to this Regulation) and in real world operation.[[2]](#footnote-2) The vehicle equipped with an ESES shall continue to comply with all requirements and specifications of other UN Regulations (e.g. but not limited with the stationary sound requirements of UN regulation No. 138).**  **The ESES shall be capable of being muted by the driver. In the muted state, the vehicle shall continue to comply with the applicable minimum sound emission requirements within the mandatory speed range as specified in UN Regulation No. 138, and the maximum limits set out in Annex 7 to this Regulation. The emitted sound shall progressively decrease at vehicle speeds between 20.00 km/h and 28.00 km/h and shall cease entirely at speeds above 28.50 km/h (with the sole margin of +1.00 km/h including CoP tests) while in the muted state.**"  Footnotes:  1 **See recommendations provided by informal document GRB-68-03 as guidance for technical interpretation. The document can be found in https://unece.org/documents-reference-only-0.**  2 **The sound content shall be alterable by the vehicle manufacturer only, shall not impair traffic safety and shall not be designed to cause deliberate disturbance. See recommendations provided by informal document #### as guidance for technical interpretation. Notwithstanding the provisions of this Regulation a Contracting Party may permanently, temporarily or conditionally prohibit specific sound content emitted by [ESES], or impose additional requirements for the content of [ESES].** | GRB-68-03 needs to be adapted in order to work with the new ASEP lines.  “In the muted state… muted state.” Could be left out depending on the definition |
| COM | 6.2.3.1. | ge/te | The vehicle manufacturer shall not intentionally alter, adjust, or introduce any mechanical, electrical, thermal, or other device or procedure solely for the purpose of fulfilling the sound emission requirements as specified under this Regulation which is not operational during typical on-road operation. | The motorcycle manufacturer shall not use any device, procedure or software which would modify any noise related functional parameters of the vehicle for the purpose of passing the tests within this Regulation and which would result in increased noise emissions during typical on-road operation in the ASEP control range of Annex 7 paragraph 2.3, compared to during testing according to the provisions of this Regulation. | Update of the prohibition of defeat device clause/ alignment with the one of UNR 41 (updated during last GRBP, February 2025) |
| NL | New para. 6.4. | te |  | 6.4 Additional requirements for ESES  6.4.1 The non-mandatory ESES sound shall have a direct available “button” for the driver to be switched off completely.  6.4.2. ESES sound shall contribute to the detectability of the vehicle that it is mounted on  6.4.3 ESES sound shall not mask mandatory required sound of the vehicle  6.4.4 ESES sound shall not reduce the detection of other vehicles in traffic in such a way that other road users could be mis informed by the ESES.  6.4.5 ESES sound shall fulfil the description of document xxxxx (a document to describe allowed sound for ESES) | The test in the speed range of mandatory sound should show that the mandatory sound requirements are dominant in the SPL.  6.4.2.: The test in the speed range of mandatory sound should show that the mandatory sound requirements are dominant in the SPL.  6.4.4.,: This might be difficult, but this could be based on the assumption that were shared by OICA. A vehicle approaching at a higher speed should have a louder signal to warn, but it should not mask a vehicle that is in fact closer and will be aearlier at the point of the observer.  6.4.5.: For this we need an additional document for reference. In my opinion OICA should propose the content of the first version of this document to commit to a certain way forward with a sound that will contribute to the purposes that were shared in the meetings.  Pleasant  Detectability  A certain level of signature  Etc... |
| CH | 11.xx. | Te | "**11.[xx]. Supplement [yy] does not apply to existing type approvals and their extensions, granted prior to the date of entry into force of Supplement [yy]**" | "**11.[xx]. Supplement [yy] does not apply to existing type approvals and their extensions, granted prior to the date of entry into force of Supplement [yy] until [10] months after the entry into force of Supplement [yy].**" | Subject to discussion. Has to be checked with the templates. |
| NL | 11.xx | ge | "**11.[xx]. Supplement [yy] does not apply to existing type approvals and their extensions, granted prior to the date of entry into force of Supplement [yy]**" |  | Is a supplement not to be used for new extensions? Existing Tas will remain valid, but extension should follow the supplement. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. [↑](#footnote-ref-1)
2. [↑](#footnote-ref-2)