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| UNECE GRE IWG EMCChange Proposal Form**(One major comment per form.)** **(Shaded blocks for the use by the IWG Secretary only.)** |
| **IWG document Number:** | **IWG-EMC-xx-xx** | **Date:** 8 JAN 2024 |
| **Proposer’s Name, Affiliation, and E-mail:**CLEPA SEG EMCKlaus Pilatus (CLEPA, consultant.tr2@clepa.be)Andrea Scholl (Bosch, andreamarie.scholl@de.bosch.com, chair of the SEG EMC)Hyebin Yun (MOBIS, hyebin.yun@mobis.com) | **Paragraph:**7.12.2 | **Page:**26 of [UN Regulation No. 10 - Rev.6](https://www.unece.org/fileadmin/DAM/trans/main/wp29/wp29regs/2019/E-ECE-324-Add.9-Rev.6.pdf) |
| **Summary of Change** (25 words or less)**:**Proposal to clearly define the dmax value for the flicker limit for ESA as 6% |
| **Reason for Change** (Justification)**:**The dmax value for the flicker limit is clearly specified in the vehicle specifications but is not defined for ESAs, which could lead to ambiguity in interpretation. Therefore, it is proposed to set the value clearly at 6% to align with the vehicle limits. |
| **Original text:**7.12. Specifications concerning emission of voltage changes, voltage fluctuations and flicker on AC power lines from ESAs7.4.2. Vehicle type approval limit7.12.2. ESA type approval limit7.12.2.1. If measurements are made using the method described in Annex 18, the limits for rated current ≤ 16 A per phase and not subjected to conditional connection are those defined in IEC 61000-3-3, paragraph 5.7.12.2.2. If measurements are made using the method described in Annex 18, the limits for rated current > 16 A and ≤ 75 A per phase and subjected to conditional connection are those defined in IEC 61000-3-11, paragraph 5. |
| **Revise To:***Paragraph 7.12.*, amend to read:7.12. Specifications concerning emission of voltage changes, voltage fluctuations and flicker on AC power lines from ESAs7.4.2. Vehicle type approval limit7.12.2. ESA type approval limit7.12.2.1. If measurements are made using the method described in Annex 18, the limits for rated current ≤ 16 A per phase and not subjected to conditional connection are those defined in IEC 61000-3-3, paragraph 5.**- The value of Pst shall not be greater than 1.0;****- The value of Plt shall not be greater than 0.65;****- Tmax, the accumulated time value of d(t) with a deviation exceeding 3.3 per cent during a single voltage change at the EUT terminals, shall not exceed 500 ms;****- The maximum relative steady-state voltage change, dc, shall not exceed 3.3 per cent;****- The maximum relative voltage change dmax, shall not exceed 6 per cent.**7.12.2.2. If measurements are made using the method described in Annex 18, the limits for rated current > 16 A and ≤ 75 A per phase and subjected to conditional connection are those defined in IEC 61000-3-11, paragraph 5.**- The value of Pst shall not be greater than 1.0;****- The value of Plt shall not be greater than 0.65;****- Tmax, the accumulated time of d(t) with a deviation exceeding 3.3 per cent during a voltage change, shall not exceed 500 ms;****- The maximum relative steady-state voltage change, dc, shall not exceed 3.3 per cent;****- The maximum relative voltage change dmax, shall not exceed 6 per cent.** |
| **As Modified Text:** |
|  | **Accepted As Written** |  | **Withdrawn** |
|  | **Accepted As Modified** |  | **Rejected** |
|  | **Deferred** |  | **Other** |
| **Rejection Reason / Comments:** |
| **Proposal Deferred To:** |
| **Proposal Disposition By:** | **Date:** |
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