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| OICA EMC TFChange 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:** 12 March 2025 |
| **Proposer’s Name, Affiliation, and E-mail:**OICA (VDA)Andreas Gierstorfer, BMW, andreas.gierstorfer@bmw.de | **Paragraph:**6.4.2.1, 7.7.2.1,6.8.2.1, 7.18.2.1 | **Page:** |
| **Summary of Change** (25 words or less)**:**Editorial update of test level definition: suppress “rms (root mean squared)”  |
| **Reason for Change** (Justification)**:**Both standards ISO 11451-1 (vehicle) and ISO 11452-1 (ESA) include a definition of the test severity level. rms can be misleading because only modulated signals with constant peak test level are required in R10. |
| **Original text:**See below: wording to be suppressed in ~~strikethrough.~~ |
| **Revise To:** *Paragraph 6.4.2.1.,* amend to read:6.4.2.1. If tests are made using the method described in Annex 6, in accordance with ISO 11451-2, the field strength shall be 30 volts/m ~~rms (root mean squared)~~ in over 90 per cent of the 20 to 2,000 MHz frequency band and a minimum of 25 volts/m ~~rms~~ over the whole 20 to 2,000 MHz frequency band. The field strength shall be 10 volts/m ~~rms~~ in over 90 per cent of the 2,000 to 6,000 MHz frequency band and a minimum of 8 volts/m ~~rms~~ over the whole 2,000 to 6,000 MHz frequency band. If tests are made using the method described in Annex 6, in accordance with ISO 11451-4 BCI the current shall be 60 mA ~~rms~~ in over 90 per cent of the 20 to 2,000 MHz frequency band and a minimum of 50 mA ~~rms~~ over the whole 20 to 2,000 MHz frequency band.“ |
| *Paragraph 7.7.2.1.,* amend to read: 7.7.2.1. If tests are made using the method described in Annex 6, the field strength shall be 30 volts/m ~~rms (root mean squared)~~ in over 90 per cent of the 20 to 2,000 MHz frequency band and a minimum of 25 volts/m ~~rms~~ over the whole 20 to 2,000 MHz frequency band. The field strength shall be 10 volts/m ~~rms~~ in over 90 per cent of the 2,000 to 6,000 MHz frequency band and a minimum of 8 volts/m ~~rms~~ over the whole 2,000 to 6,000 MHz frequency band.  If tests are made using the method described in Annex 6, with ISO 11451-4 BCI method the current shall be 60 mA ~~rms~~ in over 90 per cent of the 20 to 2,000 MHz frequency band and a minimum of 50 mA ~~rms~~ over the whole 20 to 2,000 MHz frequency band.6.8.2.1. If tests are made using the methods described in Annex 9, the immunity test levels shall be 60 volts/m ~~root-mean-square (rms)~~ for the 150 mm stripline testing method, 15 volts/m rms for the 800 mm stripline testing method, 75 volts/m ~~rms~~ for the Transverse Electromagnetic Mode (TEM) cell testing method, 60 mA ~~rms~~ for the bulk current injection (BCI) testing method and 30 volts/m ~~rms~~ for the free field testing method in over 90 per cent of the 20 to 2,000 MHz frequency band, and to a minimum of 50 volts/m ~~rms~~ for the 150 mm stripline testing method, 12.5 volts/m rms for the 800 mm stripline testing method, 62.5 volts/m ~~rms~~, for the TEM cell testing method, 50 mA ~~rms~~ for the bulk current injection (BCI) testing method and 25 volts/m ~~rms~~ for the free field testing method over the whole 20 to 2,000 MHz frequency band. 7.18.2.1. If tests are made using the methods described in Annex 9, the immunity test levels shall be 60 volts/m ~~rms~~ for the 150 mm stripline testing method, 15 volts/m ~~rms~~ for the 800 mm stripline testing method, 75 volts/m ~~rms~~ for the Transverse Electromagnetic Mode (TEM) cell testing method, 60 mA ~~rms~~ for the Bulk Current Injection (BCI) testing method and 30 volts/m ~~rms~~ for the free field testing method in over 90 per cent of the 20 to 2,000 MHz frequency band, and to a minimum of 50 volts/m ~~rms~~ for the 150 mm stripline testing method, 12.5 volts/m ~~rms~~ for the 800 mm stripline testing method, 62.5 volts/m ~~rms~~, for the TEM cell testing method, 50 mA ~~rms~~ for the bulk current injection (BCI) testing method and 25 volts/m ~~rms~~ for the free field testing method over the whole 20 to 2,000 MHz frequency band.  |
| **As Modified Text:** |
|  | **Accepted As Written** |  | **Withdrawn** |
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| **Rejection Reason / Comments:** |
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