

**UNECE GRE IWG EMC
Change 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: 17.03.2025	
Proposer's Name, Affiliation, and E-mail: Bundesnetzagentur Thilo.Kootz@bnetza.de Nikola.Kiwull@bnetza.de		Paragraph: Annex 13, 4.2 in analogy: Annex 14, 4.2 Annex 19, 4.2 Annex 20, 4.2	Page: ECE/TRANS/WP.29/ 2024/90 Page 63
Summary of Change (25 words or less): Remove peak detector use in conducted emission testing (as requested in IWG-EMC-45-17)			
Reason for Change (Justification): Formal CISPR 12 ED 6.1 contained a correlation factor of 20 dB between peak and quasi-peak-detector for radiated emission testing from 30 MHz – 1 GHz. In general, the scope of CISPR 12 is limited to 30 MHz – 1 GHz and does not include conducted testing below 30 MHz. Therefore, it is (and was) formally incorrect to refer to this factor for conducted emission testing in UN ECE Reg. 10. Technical The correlation factor of 20 dB between peak and quasi-peak-detector in CISPR 12 Ed 6.1 was defined based on measurement data from radiated emission measurements on vehicles with high voltage ignition in the frequency range from 30 MHz – 1 GHz. Thus, it is technically not applicable to conducted emission testing below 30 MHz in general. There is no rationale for vehicles to be allowed to emit more conducted disturbances in a residential environment than any other electric or electronic equipment.			
Original text: <i>Annex 13 - Method(s) of testing for emission of radiofrequency conducted disturbances on AC or DC power lines from vehicles</i> <i>Annex 14 - Method(s) of testing for emission of radiofrequency conducted disturbances on network and telecommunication access from vehicles</i> <i>Annex 19 - Method(s) of testing for emission of radiofrequency conducted disturbances on AC or DC power lines from an ESA</i> <i>Method(s) of testing for emission of radiofrequency conducted disturbances on network and telecommunication access from an ESA</i> <i>(in all cases) Paragraph 4.2</i> "Measurements shall be performed with average and either quasi-peak or peak detectors. The limits are given in paragraph 7.5. of this Regulation. If peak detectors are used a correction factor of 20 dB as defined in CISPR 12 shall be applied."			
Revise To: <i>Replace "and either quasi-peak or peak detectors" by "and quasi-peak detectors"</i> <i>Delete the sentence</i> "If peak detectors are used a correction factor of 20 dB as defined in CISPR 12 shall be applied."			

As Modified Text:	
Accepted As Written	Withdrawn
Accepted As Modified	Rejected
Deferred	Other
Rejection Reason / Comments:	
Proposal Deferred To:	
Proposal Disposition By:	Date: