|  |  |  |  |
| --- | --- | --- | --- |
|  | United Nations | ECE/TRANS/WP.29/2023/117 | |
| _unlogo | **Economic and Social Council** | | Distr.: General  30 August 2023  Original: English |

**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**Working Party on Passive Safety**

**191st session**

Geneva, 14–16 November 2023

Item 4.8.13 of the provisional agenda

**1958 Agreement:**

**Consideration of draft amendments to existing**

**UN Regulations submitted by GRSP**

Proposal for Supplement 4 to the 05 series of amendments to UN Regulation No. 95 (Lateral impact)

Submitted by the Working Party on Passive Safety [[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Passive Safety (GRSP) at its seventy-third session (ECE/TRANS/WP.29/GRSP/73 para. 24). It is based on GRSP-73-45 as reproduced in annex VI to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2023 sessions.

*Annex 5 - Appendix 2*, amend to read:

"Annex 5 – Appendix 2

Force-deflection curves for dynamic tests

Figure 2a

**Blocks 1 and 3**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Deflection** | | **Force** | |
|  |  |  |  |
| **A** | | | | **0** | **mm** | **10** | **kN** |
|  |
| **B** | | | | **300** | **mm** | **58** | **kN** |  |
|  |
| **C** | | | | **300** | **mm** | **43** | **kN** |  |
|  |
| **D** | | | | **30** | **mm** | **0** | **kN** |  |
|  |

**C**

**B**

**D**

**A**

Figure 2b

**Block 2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Deflection** | | **Force** | |
|  |  |  |  |
| **G** | | | | **0** | **mm** | **10** | **kN** |
|  |
| **H** | | | | **160** | **mm** | **70** | **kN** |  |
|  |
| **I** | | | | **160** | **mm** | **50** | **kN** |  |
|  |
| **J** | | | | **30** | **mm** | **0** | **kN** |  |
|  |

**I**

**H**

**J**

**G**

Figure 2c

**Block 4**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Deflection** | | **Force** | |
|  |  |  |  |
| **K** | | | | **50** | **mm** | **5,0** | **kN** |
|  |
| **L** | | | | **300** | **mm** | **28,5** | **kN** |  |
|  |
| **M** | | | | **300** | **mm** | **18,5** | **kN** |  |
|  |
| **N** | | | | **80** | **mm** | **0** | **kN** |  |
|  |

**M**

**N**

**L**

**K**

Figure 2d

**Blocks 5 and 6**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Deflection** | | **Force** | |
|  |  |  |  |
| **P** | | | | **50** | **mm** | **5,0** | **kN** |
|  |
| **Q** | | | | **300** | **mm** | **25,5** | **kN** |  |
|  |
| **R** | | | | **300** | **mm** | **15,5** | **kN** |  |
|  |
| **S** | | | | **80** | **mm** | **0** | **kN** |  |
|  |

Figure 2e

**Blocks total**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Deflection** | | **Force** | |
|  |  |  |  |
| **T** | | | | **0** | **mm** | **25** | **kN** |
|  |
| **U** | | | | **160** | **mm** | **165** | **kN** |  |
|  |
| **V** | | | | **300** | **mm** | **255** | **kN** |  |
|  |
| **W** | | | | **300** | **mm** | **205** | **kN** |  |
|  |
| **X** | | | | **160** | **mm** | **115** | **kN** |  |
|  |
| **Y** | | | | **30** | **mm** | **0** | **kN** |  |
| " |

1. \* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)