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|  | E/ECE/TRANS/505/Rev.3/Add.148/Amend.8 |
|  |  | 5 December 2023 |

**Agreement**

 Concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations[[1]](#footnote-2)\*

 (Revision 3, including the amendments which entered into force on 14 September 2017)

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 **Addendum 148 – UN Regulation No. 149**

 Amendment 8

Supplement 7 to the 00 series of amendments – Date of entry into force: 24 September 2023

 Uniform provisions concerning the approval of road illumination devices (lamps) and systems for power-driven vehicles

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2023/37.

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**UNITED NATIONS**

*Introduction, last paragraph,* amend to read:

"Regarding the requirements for approval markings, this Regulation includes the requirements for the use of the 'Unique Identifier' and is conditional upon access to a secure internet database established by UNECE (in accordance with Schedule 5 of the 1958 Agreement) where all type approval documentation is held. When the 'Unique Identifier' is used there is no requirement for the lamps to carry the conventional type approval markings (E-mark). If it is technically not possible to use the 'Unique Identifier' (e.g. if the access to the UNECE internet database cannot be secured or the database is not operational), the use of conventional type approval markings is required until the use of the 'Unique Identifier' is enabled. In addition, the use of the 'Unique Identifier' shall only be possible if the corresponding Summary Document (ECE/TRANS/WP.29/1159, paragraph 89) has been defined in this Regulation and the database is providing access to the Summary Document."

*Table 26,* amend to read:

"**Class E – Non-bending mode**

| *Class E - non-bending mode* | *Position/deg* | *Column A* | *Column B* | *Column C* |
| --- | --- | --- | --- | --- |
| *Tabled requirements expressed in cd* | *horizontal* | *vertical* | *≙ 0% CoP* | *≙ 20% CoP* | *≙ 30% CoP* |
| *No* | *Element* | *at/* | *from* | *to* |  | *at* |  | *min* | *max* | *min* | *max* | *min* | *max* |
| 1 | B50L | L | 3.43 |   |   | U | 0.57 |  | 625 |  | 880 |  | 1005 |
| 3 | BR | R | 2.5 |   |   | U | 1 |  | 1750 |  | 2100 |  | 2275 |
| 4 | Point BRR | R | 8 |   |   | U | 0.57 |  | 3550 |  | 4260 |  | 4615 |
| 5 | Point BLL | L | 8 |   |   | U | 0.57 |  | 880 |  | 1135 |  | 1260 |
| 7 | Line III b | L | 4 | L | 0.5 | U | 0.34 |   | 880 |   | 1135 |   | 1260 |
| 11 | 75 R | R | 1.15 |   |   | D | 0.57 | 15200 | 79300 | 12160 | 95160 | 10640 | 103090 |
| 12 | 50 V | V |   |   |   | D | 0.86 | 10100 | 79300 | 8080 | 95160 | 7070 | 103090 |
| 13 | 50 L | L | 3.43 |   |   | D | 0.86 | 6800 | 793001 | 5440 | 951601 | 4760 | 1030901 |
| Note to Table 26: 1 The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer’s description that this value will not be exceeded in use, either by means of the system or, if the system’s use is confined to vehicles, providing a corresponding stabilization/limitation of the system’s supply, as indicated in the communication form. |

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*Table 27,* amend to read:

"**Class E1 – Non-bending mode State**

| *Class E1 – non-bending mode* | *Position/degrees* | *Column A* | *Column B* | *Column C* |
| --- | --- | --- | --- | --- |
| *Tabled requirements expressed in cd* | *horizontal* | *vertical* | *≙ 0% CoP* | *≙ 20% CoP* | *≙ 30% CoP* |
| *No* | *Element* | *at/* | *from* | *to* |  | *at* |  | *min* | *max* | *min* | *max* | *min* | *max* |
| 1 | B50L | L | 3.43 |   |   | U | 0.57 |  | 530 |  | 700 |  | 785 |
| 3 | BR | R | 2.5 |   |   | U | 1 |  | 1750 |  | 2100 |  | 2275 |
| 4 | Point BRR | R | 8 |   |   | U | 0.57 |  | 3550 |  | 4260 |  | 4615 |
| 5 | Point BLL | L | 8 |   |   | U | 0.57 |  | 880 |  | 1135 |  | 1260 |
| 7 | Line III b | L | 4 | L | 0.5 | U | 0.34 |   | 880 |   | 1135 |   | 1260 |
| 11 | 75 R | R | 1.15 |   |   | D | 0.57 | 15200 | 70500 | 12160 | 84600 | 10640 | 91650 |
| 12 | 50 V | V |   |   |   | D | 0.86 | 10100 | 70500 | 8080 | 84600 | 7070 | 91650 |
| 13 | 50 L | L | 3.43 |   |   | D | 0.86 | 6800 | 705001 | 5440 | 846001 | 4760 | 916501 |
| Note to Table 27: 1 The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer’s description that this value will not be exceeded in use, either by means of the system or, if the system’s use is confined to vehicles, providing a corresponding stabilization/limitation of the system’s supply, as indicated in the communication form. |

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*Table 28,* amend to read:

"**Class E2 – Non-bending mode**

| *Class E2 – non-bending mode* | *Position/degrees* | *Column A* | *Column B* | *Column C* |
| --- | --- | --- | --- | --- |
| *Tabled requirements expressed in cd* | *horizontal* | *vertical* | *≙ 0% CoP* | *≙ 20% CoP* | *≙ 30% CoP* |
| *No* | *Element* | *at/* | *from* | *to* |  | *at* |  | *min* | *max* | *min* | *max* | *min* | *max* |
| 1 | B50L | L | 3.43 |   |   | U | 0.57 |  | 440 |  | 610 |  | 695 |
| 3 | BR | R | 2.5 |   |   | U | 1 |  | 1750 |  | 2100 |  | 2275 |
| 4 | Point BRR | R | 8 |   |   | U | 0.57 |  | 3550 |  | 4260 |  | 4615 |
| 5 | Point BLL | L | 8 |   |   | U | 0.57 |  | 880 |  | 1135 |  | 1260 |
| 7 | Line III b | L | 4 | L | 0.5 | U | 0.34 |   | 880 |   | 1135 |   | 1260 |
| 11 | 75 R | R | 1.15 |   |   | D | 0.57 | 15200 | 61700 | 12160 | 74040 | 10640 | 80210 |
| 12 | 50 V | V |   |   |   | D | 0.86 | 10100 | 61700 | 8080 | 74040 | 7070 | 80210 |
| 13 | 50 L | L | 3.43 |   |   | D | 0.86 | 6800 | 617001 | 5440 | 740401 | 4760 | 802101 |
| Note to Table 28: 1 The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer’s description that this value will not be exceeded in use, either by means of the system or, if the system’s use is confined to vehicles, providing a corresponding stabilization/limitation of the system’s supply, as indicated in the communication form. |

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*Table 29,* amend to read:

"**Class E3 – Non-bending mode**

| *Class E3 - non-bending mode* | *Position/degrees* | *Column A* | *Column B* | *Column C* |
| --- | --- | --- | --- | --- |
| *Tabled requirements expressed in cd* | *horizontal* | *vertical* | *≙ 0% CoP* | *≙ 20% CoP* | *≙ 30% CoP* |
| *No* | *Element* | *at/* | *from* | *to* |  | *at* |  | *min* | *max* | *min* | *max* | *min* | *max* |
| 1 | B50L | L | 3.43 |   |   | U | 0.57 |  | 350 |  | 520 |  | 605 |
| 3 | BR | R | 2.5 |   |   | U | 1 |  | 1750 |  | 2100 |  | 2275 |
| 4 | Point BRR | R | 8 |   |   | U | 0.57 |  | 3550 |  | 4260 |  | 4615 |
| 5 | Point BLL | L | 8 |   |   | U | 0.57 |  | 880 |  | 1135 |  | 1260 |
| 7 | Line III b | L | 4 | L | 0.5 | U | 0.34 |   | 880 |   | 1135 |   | 1260 |
| 11 | 75 R | R | 1.15 |   |   | D | 0.57 | 15200 | 52900 | 12160 | 63480 | 10640 | 68770 |
| 12 | 50 V | V |   |   |   | D | 0.86 | 10100 | 52900 | 8080 | 63480 | 7070 | 68770 |
| 13 | 50 L | L | 3.43 |   |   | D | 0.86 | 6800 | 529001 | 5440 | 634801 | 4760 | 687701 |
| Note to Table 29: 1 The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer’s description that this value will not be exceeded in use, either by means of the system or, if the system’s use is confined to vehicles, providing a corresponding stabilization/limitation of the system’s supply, as indicated in the communication form. |

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1. \* Former titles of the Agreement:

 Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958 (original version);

 Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on 5 October 1995 (Revision 2). [↑](#footnote-ref-2)