

UN Regulation No. 0 Second draft

UNIFORM PROVISIONS CONCERNING INTERNATIONAL WHOLE VEHICLE TYPE APPROVAL (IWVTA)

Introduction

This UN Regulation establishes an international whole vehicle type approval (IWVTA) scheme within the framework of the 1958 Agreement. The IWVTA scheme allows contracting parties adhering to the Regulation to issue approvals to either a limited level (L-IWVTA) or to a wider range of technical topics included in the universal level (U-IWVTA). Contracting parties are able to use the limited or universal IWVTA depending upon the national situation.

The Universal-IWVTA (U-IWVTA) provides a greater level of certainty for vehicle manufacturers and Contracting Parties applying this Regulation, as the approval has to be accepted without further assessment of the technical items covered by the U-IWVTA issued. Contracting Parties applying this Regulation are not obliged to accept approvals to the limited level (L-IWVTA) but may do so at their choice. However, they have also to accept approvals issued pursuant to U-IWVTA

The Regulation includes the administrative obligations of the IWVTA scheme. It does not establish separate technical requirements but instead refers to the provisions of the separate UN Regulations.

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1. Scope

- 1.1 This Regulation applies to vehicles of categories M1¹. It specifies requirements for the type approval of a whole vehicle.

2. Definitions

For the purposes of this Regulation and of the Regulations listed in Annex 4, unless specified otherwise therein:

- 2.1 “*Manufacturer*” means the person or body responsible to the approval authority for all aspects of the type approval process and for ensuring conformity of production. It is not essential that the person or body is directly involved in all stages of the construction of the vehicle which is the subject of the approval process.
- 2.1.1 “*Manufacturer’s representative*” means a natural or legal person established in the territory of one of the Contracting Parties applying this Regulation who is duly appointed by the manufacturer to represent it before the approval authority and to act on its behalf in matters covered by this Regulation. Where reference is made in this Regulation to the manufacturer, it means either the “*Manufacturer*” or the “*Manufacturer’s representative*”.
- 2.2. “*Vehicle type*” means a category of vehicles which do not differ in such essential respects as those specified in Annex 7. A vehicle type may contain variants and versions as defined in Annex 7
- 2.3 “*International Whole Vehicle Type Approval*” (IWVTA) means an approval of a vehicle type to this Regulation, whereby a Contracting Party applying this Regulation certifies that a vehicle type satisfies the relevant provisions of this Regulation.
- 2.3.1 “*Universal IWVTA (U-IWVTA)*” means an IWVTA where all of the applicable UN Regulations listed in Annex 4, Part A, Section 1 are complied with according to the version of these UN Regulations as listed in that section or any later version.

¹As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/WP.29/78/Rev.3, paragraph 2.2.1. – www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html

- 2.3.2 IWVTA of Limited recognition” (L-IWVTA) means an IWVTA where:
- * not all of the UN Regulations listed in Annex 4, Part A, Section 1 are complied with; and/or
 - * some or all of the UN Regulations listed in Annex 4, Part A, Section 1 are complied with according to an earlier version than the one listed in that section.
- 2.4 “*Information document*” means the document set out in Annex 5 that prescribes the information to be supplied by an applicant. This may be in the form of an electronic file.
- 2.5 “*Information folder*” means a folder that includes the information document, file, data, drawings, photographs, and other relevant material, that is supplied by the applicant. This may be in the form of an electronic file.
- 2.6 “*Information package*” means the information folder accompanied by the test reports and all other documents added by the Technical Service or by the approval authority to the information document in the course of carrying out their functions. This may be in the form of an electronic file.
- 2.7 “*Index to the information package*” means the document listing the contents of the information package, suitably numbered or otherwise marked so as to identify clearly all the pages. The format of the document shall be such as to present a record of the successive steps in administering the type approval, in particular when any revisions or updates occurred.
- 2.8 “*Technical competence*”: means, having regard to Article 2 of the 1958 Agreement, that a Contracting Party has the capability to verify the compliance of a whole vehicle type with this Regulation, based on the individual type approvals submitted by the manufacturer in its application and the ability to confirm that the systems and components are installed pursuant to the individual UN Regulations listed in Annex 4 of this Regulation. This means that a Contracting Party applying this Regulation need not necessarily have the technical competence required to issue type approvals with respect to all the UN Regulations listed in Annex 4.
- [2.9 “*Declaration of Conformance (DoC)*” means the documentation set out in Annex 6 provided by the manufacturer and certifying for a vehicle belonging to a vehicle type which is approved in accordance with this Regulation to which versions of the UN Regulations listed in Annex 4 the vehicle complies at the time of its production.]

3. Application for approval

- 3.1 The application for approval of a vehicle type with regard to IWVTA shall be submitted by the manufacturer to the Contracting Party according to the provisions of Schedule 3 of the 1958 Agreement.
- 3.2 It shall be accompanied by the following documentation:
- 3.2.1 The information folder containing the information required under Annex 5, Part II.
 - 3.2.2 The list of UN Regulations and their versions to which the vehicle type complies according to Annex 5, Part III.
 - 3.2.3 Type approval certificates as required by 5.1.2 (U-IWVTA) or 5.1.3 (L-IWVTA);

- 3.3 The application for approval and the accompanying documentation shall be drawn up in English language. The manufacturer shall also provide translation of the documentation into the language requested by the Contracting Party processing the application. Type approval certificates accompanying the application do not need to be translated.

4. Approval

- 4.1 If the vehicle type submitted for approval pursuant to this Regulation meets the relevant provisions of this Regulation, approval of that vehicle type shall be granted taking into account the provisions of paragraph 12.2.
- 4.2 An approval number shall be assigned to each type approved in accordance with the provisions of Schedule 4 of the 1958 Agreement.
- 4.3 Notice of approval or of extension or refusal of approval of a vehicle type pursuant to this Regulation shall be communicated by means of a secure internet database in accordance with Schedule 5 of the 1958 Agreement to the Contracting Parties to the 1958 Agreement applying this Regulation, using a form conforming to the model in Annex 1 to this Regulation.
- 4.4 An international approval mark shall be affixed, conspicuously and in a readily accessible place specified on the approval form, to every vehicle conforming to a vehicle type approved under this Regulation. Such an international approval mark shall consist of:
- 4.4.1 A circle surrounding the letter "E" followed by the distinguishing number of the country which has granted approval²;
- 4.4.2 The number of this Regulation, followed by the letter "R", a dash and the two digits of Section 2 indicating the applied series of amendments and the digits of Section 3 of the approval number referred to in paragraph 4.2 to the right of the circle prescribed in paragraph 4.4.1. The leading zeros to Section 3 may be omitted.
- 4.5 That international approval mark may be replaced by the Identifier in accordance with the provisions of Schedule 5 of the 1958 Agreement.
- 4.6 If the vehicle conforms to a vehicle type approved according to this Regulation, approval marks with regard to approvals granted for the UN Regulations listed in Annex 4, which are prescribed to be affixed to every vehicle, need not to be affixed to the vehicle.
- 4.7 The approval mark or Identifier shall be clearly legible and be indelible.
- 4.8 The approval mark or Identifier shall be placed close to or on the vehicle data plate affixed by the manufacturer.
- 4.9 For U-IWVTA the approval mark shall be in accordance with the template of Annex 2, Section 1, For L-IWVTA the approval mark shall be in accordance with the template of Annex 2, Section 2, In both cases the approval marks can be replaced by the unique identifier in accordance with the template in Annex 2, Section 3.

5. Specifications

5.1 Required certificates

The procedures of Annex 3 shall be followed:

- 5.1.1 A vehicle type shall meet the prescribed requirements of this Regulation as well as those specified in the UN Regulations listed in

²see annex 3 of Document ECE/TRANS/WP.29/78/Rev.3

Annex 4. This shall be demonstrated by type approval certificates according to those UN Regulations covering all variants and versions of the vehicle type. In cases where these UN Regulations contain requirements both for parts and their installation on the vehicle, both aspects shall be covered by type approvals.

5.1.2 For a U-IWVTA type approval certificates to all UN Regulations listed in Annex 4, Part A, Section 1 according to the version listed in that section or any later version shall be included.

5.1.3. For an L-IWVTA one or more type approval certificates required by paragraph 5.1.2 can be omitted or replaced by the certificate according to an earlier version of the respective UN Regulation.

[5.2 Declaration of conformance (DoC)

The manufacturer shall provide the DoC according to the provisions of Annex 6.]

6. Test procedure

6.1 Where compliance to the requirements of paragraph 5.1 is demonstrated by providing all required certificates covering all variants and versions of the vehicle type, no further testing is foreseen for the items covered by IWVTA according to this Regulation.

7. Modification of vehicle type and extension or modification of approval

7.1 In the case of any change to the vehicle type with respect to a particular item recorded in the information folder, the procedure specified in paragraph 2. of Schedule 3 shall apply.

7.2 [When new requirements enter into force (resulting from amendments to Annex 4) the Contracting Party who issued a U-IWVTA shall advise the manufacturer that;

7.2.1 If the manufacturer wants to maintain the universal status of the IWVTA an amendment of the type approval is required.

7.2.2 If such amendment of the U-IWVTA is not granted by the date at which the new requirements enter into force for the vehicle type concerned the U-IWVTA shall be modified into a L-IWVTA and the certificate be amended accordingly. In case the manufacturer has previously applied the marking according to Annex 2, Section I he has to change it to the marking according to Annex 2 Section II as of that date.]

7.3 If, however, the new requirements referred to in paragraph 7.2 are not applicable to the vehicle type concerned, no amendment to the type approval will be required.

8. Conformity of production

The conformity of production procedures shall comply with those set out in Schedule 1 of the 1958 Agreement with the following requirements:

8.1 A vehicle approved to this Regulation shall be so manufactured as to conform to the type approved by meeting the requirements of paragraph 5.above.

8.2 The approval authority which has granted type approval may at any time verify the conformity control methods applied in each production facility.

Such verification should primarily be aimed at the whole vehicle and assembly level activities and shall not, without reasonable justification, repeat previous assessments undertaken for the separate UN Regulations comprising part of the IWVTA.

9. Penalties for non-conformity of production

- 9.1 The approval granted in respect of a vehicle type pursuant to this Regulation may be withdrawn if the requirements are not complied with or if a vehicle bearing the approval mark does not conform to the vehicle type approved.
- 9.2 If a Contracting Party to the Agreement applying this Regulation withdraws an approval it has previously granted, it shall forthwith so notify the other Contracting Parties applying this Regulation by means of a communication form conforming to the example in Annex 1 to this Regulation.

10. Production definitely discontinued

If the holder of the approval completely ceases to manufacture a vehicle type approved in accordance with this Regulation, they shall inform the approval authority, which granted the approval. Upon receiving the relevant communication, that approval authority shall inform the other Contracting Parties to the 1958 Agreement applying this Regulation by means of a communication form conforming to the example in Annex 1 to this Regulation.

11. Names and addresses of Technical Services responsible for conducting approval tests and of approval authorities

In accordance with the provisions of Article 2.2 of the 1958 Agreement Contracting Parties applying this Regulation shall communicate to the United Nations Secretariat the names and addresses of the Technical Services they have designated for verifying that the relevant provisions of this Regulation have been satisfied and of the approval authorities which grant approvals and to which forms certifying approval or extension or refusal or withdrawal of approval are to be sent.

12. Introductory and Transitional provisions

- 12.1 As from [x] months after the date of entry into force of this Regulation and subject to the conditions of section 13.1 and 13.5, a Contracting Party applying this Regulation shall accept an IWVTA issued pursuant to this Regulation and shall not request separate approvals pursuant to those UN Regulations listed in the Annex 4 to this Regulation, compliance to which is certified by this IWVTA.
- 12.2 When granting a type approval according to this Regulation, the transitional provisions of the version of UN Regulations as listed in Annex 4 and of any higher version of these UN Regulations shall be respected, however, taking into account the special provisions of paragraph 13.3.

13 Special provisions for Contracting Parties applying this Regulation

- 13.1 Regardless of whether a Contracting Party applies any UN Regulations listed in Annex 4 it shall accept in accordance with the principles laid down

- in Articles 1 and 3 of the 1958 Agreement a U-IWVTA as evidence of compliance for all vehicle systems, equipment and parts approved therein.
- 13.2 Regardless of whether a Contracting Party applies any UN Regulations listed in Annex 4 it may issue type approvals to this Regulation subject to the provisions of Article 2 of the 1958 Agreement, taking account of paragraph 2.8 of this Regulation.
- 13.3 Regardless of whether a Contracting Party applies any UN Regulations listed in Annex 4 it shall for the purpose of granting an IWVTA accept any type approvals issued according to UN Regulations listed in Annex 4. For U-IWVTA it shall accept type approvals issued in accordance with the version of the UN Regulations as listed in Annex 4, Section 1. It shall also accept type approvals issued to any later versions of the UN Regulations submitted in accordance with paragraph 5.1.2. If the latest version of an individual UN Regulation is not listed in Annex 4 and notwithstanding the fact that the transitional provisions of this latest version are no longer obliging CPs to accept approvals to the earlier version, approvals issued according to the version of the UN Regulation listed in Annex 4 of this Regulation shall be accepted.
- 13.4 13.4 Regardless of whether a Contracting Party applies any UN Regulations listed in Annex 4 it shall for the purpose of placing on the market of equipment and spare parts for vehicles covered by an IWVTA accepted by that Contracting Party, accept [the individual type approvals referenced in the IWVTA] / [type approvals to the UN Regulations listed in Annex 4] as evidence of compliance for the respective equipment and parts. However, a Contracting Party not applying some of UN Regulations listed in Annex 4 may notify to the Secretariat of the Administrative Committee that for these UN Regulations it is not bound by this obligation of accepting the type approvals issued in accordance of these UN Regulations as evidence of compliance for the respective equipment and parts. The notification has to specifically identify the UN Regulation(s) for which UN type-approved spare parts will not be accepted without further national or regional certification.
- 13.5 Subject to notification to the Secretariat of the Administrative Committee, a Contracting Party may accept in accordance with the principles laid down in Articles 1, 3 and 12 of the 1958 Agreement, a L-IWVTA. For that purpose it shall notify to the Secretariat of the Administrative Committee the UN Regulations and their versions for which it will accept type approvals as evidence of compliance for some or all vehicle systems, equipment and parts covered therein. Any changes to the level of acceptance shall also be notified before the date of application. For such notification the format provided in Annex 4, Part A, Section 2 shall be used. The Contracting Party shall then accept as evidence of compliance a L-IWVTA which includes at least the type approvals that are in accordance with the notification by the Contracting Party regarding Annex 4, Part A, Section 2. For all vehicle systems, equipment and parts approved therein approvals to [later/latest] versions of the individual UN Regulations than those notified shall also be accepted.

Annex 1: Communication

Part A: Vehicles of category M1

(Maximum format: A4 (210 x 297 mm))



(³)

issued by: Name of type approval authority

.....
.....
.....

- concerning:
- APPROVAL GRANTED
 - APPROVAL EXTENDED
 - APPROVAL STATUS CHANGED FROM U-IWVTA TO L-IWVTA
 - APPROVAL REFUSED
 - APPROVAL WITHDRAWN
 - PRODUCTION DEFINITELY DISCONTINUED⁴

of a vehicle type with regard to IWVTA, pursuant to UN Regulation No. 0.

Approval No.:.....

Extension No.:.....

Reason for extension:

SECTION I

- 0.1. Make (trade name of manufacturer):
- 0.2. Type:
 - 0.2.1. Commercial name(s) ⁽²⁾:
- 0.3. Means of identification of type, if marked on the vehicle:
 - 0.3.1. Location of that marking:
- 0.4. Category of vehicle ⁽³⁾:
- 0.5. Name and address of manufacturer:
- 0.8. Name(s) and address(es) of assembly plant(s):
- 0.9. Name and address of the manufacturer's representative (if any):

SECTION II

The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle(s) described above ((a) sample(s) having been selected by the type approval authority and submitted by the

³ Distinguishing number of the country which has granted, extended, refused or withdrawn approval (see approval provisions in the Regulation).

⁴ Strike out what does not apply.

manufacturer as prototype(s) of the vehicle type) and that the attached test results are applicable to the vehicle type.

1. The vehicle type meets/does not meet ⁽¹⁾ the technical requirements for U-IWVTA as prescribed in Paragraph 5.1.2 of this Regulation.
2. The vehicle type meets/does not meet ⁽¹⁾ the technical requirements for L-IWVTA as prescribed in Paragraph 5.1.3 of this Regulation.
3. The approval is granted/extended/refused/withdrawn ⁽¹⁾.
4. The status of the approval is changed from U-IWVTA to L-IWVTA. This change will take effect on dd/mm/yy.
5. The approval is granted in accordance with the procedure for new technologies as defined in Schedule 7 of the 1958 Agreement and the validity of the approval is thus limited to dd/mm/yy⁽¹⁾.

(Place) (Signature) (Date)

Attachments:

- Information package.

Exemplary notes:

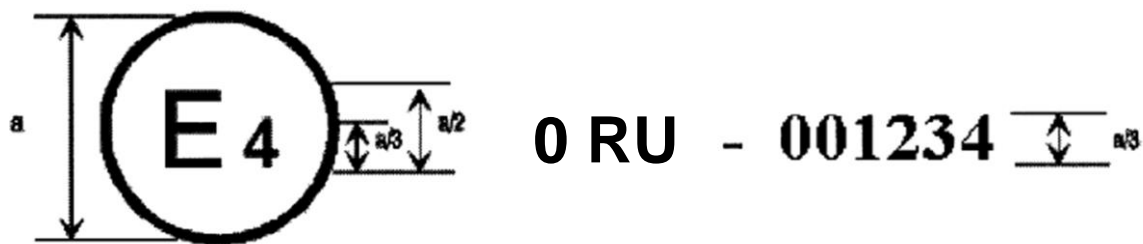
- ⁽¹⁾ Delete where not applicable.
- ⁽²⁾ If not available at the time of granting the type approval, this item shall be completed at the latest when the vehicle is introduced on the market.
- ⁽³⁾ As defined in paragraph 2 to the Consolidated Resolution on the Construction of Vehicles (R.E.3) (document TRANS/WP.29/78/Rev.3).

Annex 2: Arrangement of the approval mark

(See paragraph 4.4. of this Regulation)

The prescriptions of this Annex about the approval mark for IWVTA in conjunction with Article 3.2 of the 1958 agreement shall not preclude additional national or regional requirements concerning vehicle identification such as statutory plates or vehicle identification numbers.

Section I: Approval mark for U-IWVTA



$a = 8 \text{ mm min.}$

The above approval mark affixed to a vehicle shows that the vehicle type concerned has, with regard to U-IWVTA, been approved in the Netherlands (E4) pursuant to this Regulation under the approval No. 001234. The first two digits (00) of the approval number indicate that the approval was granted in accordance with the requirements of this Regulation in its original form. The letter U identifies the approval as universal (cf. Article 2.3.1)

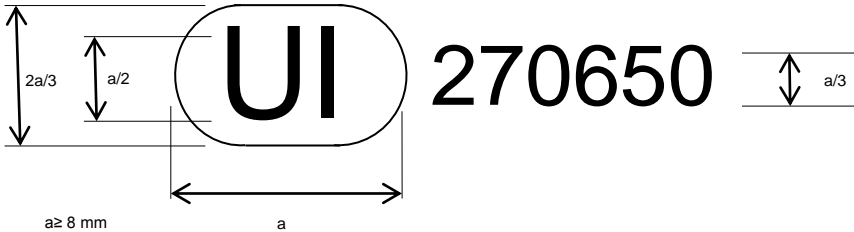
Section II: Approval mark for an L-IWVTA



$a = 8 \text{ mm min.}$

The above approval mark affixed to a vehicle shows that the vehicle type concerned has, with regard to L-IWVTA, been approved in the Netherlands (E4) pursuant to this Regulation under the approval No. 001234. The first two digits (00) of the approval number indicate that the approval was granted in accordance with the requirements of this Regulation in its original form. The letter L identifies the approval as one of limited recognition (cf. Article 2.3.2)

Section III: Approval mark using the Identifier referred to in paragraph 4.5 of this Regulation



The above Identifier affixed to a vehicle shows that the vehicle type concerned has been approved and that the relevant information on that type approval can be accessed on the UN secure internet database by using 270650 as identifier.

Annex 3: Procedures to be followed for IWVTA

0. Objectives and scope

0.1 This Annex sets out the procedures for IWVTA in accordance with the provisions of paragraph 5.1

1. Type approval process

When receiving an application for IWVTA, the Contracting Party shall:

(a) verify that all type approval certificates issued pursuant to the UN Regulations which are applicable for IWVTA cover the vehicle type and correspond to the prescribed requirements;

(b) by reference to the documentation make sure that the vehicle specifications and data contained in Part I of the vehicle information document are included in the data in the information packages and in the type approval certificates in respect of the relevant UN Regulations;

(c) when an item number in Part I of the information document is not included in the information package of any of the UN Regulations, confirm that the relevant part or characteristic conforms to the particulars in the information document;

(d) on a selected sample of vehicles from the type to be approved carry out or arrange to be carried out inspections of vehicle parts and systems to verify that the vehicle(s) is/are built in accordance with the relevant data contained in the authenticated information package in respect of the relevant type approval certificates;

(e) carry out or arrange to be carried out relevant installation checks in respect of separate technical units where applicable;

2. Combination of technical specifications

The number of vehicles to be submitted shall be sufficient to permit the proper check of the various combinations to be type approved according to the following criteria:

Technical specification	Vehicle category
	M1
Engine	X
Gear box	X
Number of axles	-
Powered axles (number, position and interconnection)	X
Steered axles (number and position)	X
Kinds of bodywork	X
Number of doors	X
Hand of drive	X
Number of seats	X
Level of equipment	X

Annex 4: List of requirements for the purpose of IWVTA: List of regulatory acts

Part A: Requirements for vehicles of category M1

Section 1: List of requirements for U-IWVTA

Number	Topic	Version of UN Regulation	
		UN Regulation ⁵	Series of amendments ⁶
1	Retro-reflecting devices for power-driven vehicles and their trailers (Installation requirements according to R48)	3	02
2	Direction indicators for power-driven vehicles and their trailers (Installation requirements according to R48)	6	01
3	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers (Installation requirements according to R48)	7	02
4	Vehicles with regard to electromagnetic compatibility	10	04
5	Vehicles with regard to door latches and door retention components	11	03
6	Vehicles with regard to the protection of the driver against the steering mechanism in the event of impact	12	04
7	Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems	16	06
8	Vehicles with regard to the seats, their anchorages and any head restraints	17	08
9	Power-driven vehicle front fog lamps (Installation requirements according to R48)	19	04
10	Vehicles with regard to their interior fittings	21	01
11	Reversing and manoeuvring lamps for power-driven vehicles and their trailers (Installation requirements according to R48)	23	00
12	Vehicles with regard to their external Projections	26	03

Number	Topic	Version of UN Regulation	
		UN Regulation ⁵	Series of amendments ⁶
13	Audible warning devices and of motor vehicles with regard to their audible signals	28	00
14	Pneumatic tyres for motor vehicles and their trailers (Tyres should be type approved to either R30 or R54.)	30	02
15	Filament lamps for use in approved lamp units of power-driven vehicles and of their trailers (Installation requirements according to R48)	37	03
16	Rear fog lamps for power-driven vehicles and their trailers (Installation requirements according to R48)	38	00
17	The speedometer equipment including its installation	39	00
18	Safety glazing materials and their installation on vehicles	43	01
19	Restraining devices for child occupants of power-driven vehicles (only inasmuch as it relates to built-in vehicle booster cushions but not covering standalone child seats)	44*	04
20	Headlamp cleaners, and of power-driven vehicles with regard to headlamp cleaners	45*	01
21	Pneumatic tyres for commercial vehicles and their trailers (Tyres should be type approved to either R30 or R54.)	54	00
22	Rear underrun protective devices (RUPDs) and the installation of a RUPD of an approved type, Rear underrun protection (RUP)	58	02
23	Parking lamps for power-driven vehicles (Installation requirements according to R48)	77	00
24	Vehicles with regard to steering equipment	79	01
25	Internal combustion engines or electric drive trains intended for the propulsion of motor vehicles of categories M and N with regard to the measurement of the net power and the maximum 30 minutes power of electric drive trains (Engine power)	85	00

Number	Topic	Version of UN Regulation	
		UN Regulation ⁵	Series of amendments ⁶
26	Side marker lamps for motor vehicles and their trailers (Installation requirements according to R48)	91	00
27	Protection of occupants in the event of a frontal collision	94	02
28	Protection of occupants in the event of a lateral collision	95	03
29	Motor vehicle headlamps equipped with gas-discharge light sources (Installation requirements according to R48)	98	01
30	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles (Installation requirements according to R48)	99	00
31	Vehicles with regard to specific requirements for the electric power train	100*	02
32	Motor vehicles headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules (Installation requirements according to R48)	112	01
33	Tyres with regard to rolling sound emissions and/or to adhesion on wet surfaces and/or to rolling resistance	117	02
34	Cornering lamps for power-driven Vehicles (Installation requirements according to R48)	119	01
35	Vehicles with regard to the location and identification of hand controls, tell-tales and indicators	121	00
36	Adaptive front-lighting systems (AFS) for motor vehicles (Installation requirements according to R48)	123	01
37	Motor vehicles with regard to the forward field of vision of the motor vehicle driver	125	01
38	Motor vehicles with regard to their pedestrian safety performance	127	00
39	Light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers (Installation requirements according to R48)	128	00

5. If a regulation number is followed by (*) this indicates that the respective requirement applies only if the corresponding system is fitted to the vehicle. This then means that for the purpose of a U-IWVTA both vehicles with or without this system are acceptable. However, where the system is fitted to the vehicle the requirement applies. The same also applies to systems not identified by * where it can be demonstrated that the corresponding requirements are not applicable to the vehicle type.

6. The entry is understood as the required minimum, i.e. including all supplements in force at the time the approval is issued. Approvals to any later series of amendments have to be equally accepted

Section 2: Notification for L-IWVTA

For notifications of Contracting Parties to the Secretariat of the Administrative Committee in accordance with paragraph 13.5, the form shown in Table 1⁷ shall be used:

Table 1

Notification of	[Name of Contracting Party]	Date to be effective	[yyyy-mm-dd]
Number	Topic	UN-Regulation ⁵	minimum acceptable Version
1	Retro-reflecting devices for power-driven vehicles and their trailers (Installation requirements according to R48)	3	
2	Direction indicators for power-driven vehicles and their trailers (Installation requirements according to R48)	6	
3	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers (Installation requirements according to R48)	7	
4	Vehicles with regard to electromagnetic compatibility	10	
5	Vehicles with regard to door latches and door retention components	11	
6	Vehicles with regard to the protection of the driver against the steering mechanism in the event of impact	12	
7	Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems	16	
8	Vehicles with regard to the seats, their anchorages and any head restraints	17	
9	Power-driven vehicle front fog lamps (Installation requirements according to R48)	19	
10	Vehicles with regard to their interior fittings	21	

Notification of	[Name of Contracting Party]	Date to be effective	[yyyy-mm-dd]
Number	Topic	UN-Regulation ⁵	minimum acceptable Version
11	Reversing and manoeuvring lamps for power-driven vehicles and their trailers (Installation requirements according to R48)	23	
12	Vehicles with regard to their external projections	26	
13	Audible warning devices and of motor vehicles with regard to their audible signals	28	
14	Pneumatic tyres for motor vehicles and their trailers (Tyres should be type approved to either R30 or R54.)	30	
15	Filament lamps for use in approved lamp units of power-driven vehicles and of their trailers (Installation requirements according to R48)	37	
16	Rear fog lamps for power-driven vehicles and their trailers (Installation requirements according to R48)	38	
17	The speedometer equipment including its installation	39	
18	Safety glazing materials and their installation on vehicles	43	
19	Restraining devices for child occupants of power-driven vehicles (only inasmuch as it relates to built-in vehicle booster cushions but not covering standalone child seats)	44*	
20	Headlamp cleaners, and of power-driven vehicles with regard to headlamp cleaners	45*	
21	Pneumatic tyres for commercial vehicles and their trailers (Tyres should be type approved to either R30 or R54.)	54	
22	Rear underrun protective devices (RUPDs) and the installation of a RUPD of an approved type, Rear underrun protection (RUP)	58	
23	Parking lamps for power-driven vehicles (Installation requirements according to R48)	77	

Notification of	[Name of Contracting Party]	Date to be effective	[yyyy-mm-dd]
Number	Topic	UN-Regulation⁵	minimum acceptable Version
24	Vehicles with regard to steering equipment	79	
25	Internal combustion engines or electric drive trains intended for the propulsion of motor vehicles of categories M and N with regard to the measurement of the net power and the maximum 30 minutes power of electric drive trains (Engine power)	85	
26	Side marker lamps for motor vehicles and their trailers (Installation requirements according to R48)	91	
26	Side marker lamps for motor vehicles and their trailers (Installation requirements according to R48)	91	
27	Protection of occupants in the event of a frontal collision	94	
28	Protection of occupants in the event of a lateral collision	95	
29	Motor vehicle headlamps equipped with gas-discharge light sources (Installation requirements according to R48)	98	
30	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles (Installation requirements according to R48)	99	
31	Vehicles with regard to specific requirements for the electric power train	100*	
32	Motor vehicles headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules (Installation requirements according to R48)	112	

Notification of	[Name of Contracting Party]	Date to be effective	[yyyy-mm-dd]
Number	Topic	UN-Regulation⁵	minimum acceptable Version
33	Tyres with regard to rolling sound emissions and/or to adhesion on wet surfaces and/or to rolling resistance	117	
34	Cornering lamps for power-driven Vehicles (Installation requirements according to R48)	119	
35	Vehicles with regard to the location and identification of hand controls, tell-tales and indicators	121	
36	Adaptive front-lighting systems (AFS) for motor vehicles (Installation requirements according to R48)	123	
37	Motor vehicles with regard to the forward field of vision of the motor vehicle driver	125	
38	Motor vehicles with regard to their pedestrian safety performance	127	
39	Light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers (Installation requirements according to R48)	128	

⁷ A notification is necessary only for those Regulations where a lower series of amendments than that specified in Section 1 is also accepted. Entry "none" means that topic is not regulated by the Contracting Party and therefore compliance with the respective UN Regulations is not required.

Information about the minimum content of a L-IWVTA that will be accepted by a Contracting Party can be found in ECE/TRANS/WP.29/343

Annex 5: Information document for the purpose of IWVTA

General prescriptions

The following information shall be supplied in triplicate and include a list of contents. Any drawings shall be supplied in appropriate scale and in sufficient detail on size A4, or on a folder of A4 format. Photographs, if any, shall show sufficient detail.

Part I: Identification of the variants and versions

Provide a suitable identification of all the variants and versions (as defined in Annex 7) within the vehicle type for which approval is sought. The identification scheme has to be used in Part II to transparently denote which data entries in the information document apply to which variant(s) and version(s) within the vehicle type.

Part II: Information document

A. Vehicles of category M1

- 0. GENERAL**
- 0.1. Make (trade name of manufacturer):
- 0.2. Type:
- 0.2.1. Commercial name(s) (if available):
- 0.3. Means of identification of type, if marked on the vehicle ^(b):
- 0.3.1. Location of that marking:
- 0.4. Category of vehicle ^(c):
- 0.5. Name and address of manufacturer:
- 0.8. Name(s) and address(es) of assembly plant(s):
- 0.9. Name and address of the manufacturer's representative (if any):.....
- 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE**
- 1.1. Photographs and/or drawings of a representative vehicle:
- 1.3. Number of axles and wheels:
- 1.3.3. Powered axles (number, position, interconnection):
- 1.4. Chassis (if any) (overall drawing):
- 1.6. Position and arrangement of the engine:
- 1.8. Hand of drive: left/right ⁽¹⁾
- 1.8.1. Vehicle is equipped to be driven in right/left ⁽¹⁾ hand traffic
- 2. MASSES AND DIMENSIONS ^(g)**
(in kg and mm) (Refer to drawing where applicable)
- 2.1. Wheelbase(s) (fully loaded) ^(g1):
- 2.1.1. Two-axle vehicles:
- 2.3.1. Track of each steered axle ^(g4):
- 2.3.2. Track of all other axles ^(g4):
- 2.4. Range of vehicle dimensions (overall)
- 2.4.1. For chassis with bodywork
- 2.4.2.1. Length ^(g5):
- 2.4.2.2. Width ^(g7):
- 2.4.2.3. Height (in running order) ^(g8) (for suspensions adjustable for height, indicate normal running position):
- 2.6. Mass in running order (as defined in R.E.3 Paragraph 2.2.5.4) (maximum and minimum for each variant):

- 2.6.1. Distribution of this mass among the axles
(maximum and minimum for each variant):
- 2.8. Technically permissible maximum laden mass stated by the
manufacturer^{(i) (3)}:
- 2.8.1. Distribution of this mass among the axles:
- 2.9. Technically permissible maximum mass on each axle:
- 2.11. Technically permissible maximum towable mass of the motor
vehicle in case of
 - 2.11.3. Centre-axle trailer:
 - 2.11.5. Technically permissible maximum mass of the combination
⁽³⁾:
 - 2.11.6. Maximum mass of unbraked trailer:
- 2.12. Technically permissible maximum static vertical load/mass
on the vehicle's coupling point:
- 3. POWER PLANT** ^(k)
 - 3.1. Manufacturer of the engine:
 - 3.1.1. Manufacturer's engine code (as marked on the engine or other
means of identification):
 - 3.2. **Internal combustion engine**
 - 3.2.1.1. Working principle: positive ignition/compression ignition ⁽¹⁾Cycle:
four stroke/two stroke/rotary ⁽¹⁾
 - 3.2.1.2. Number and arrangement of cylinders:
 - 3.2.1.3. Engine capacity ^(m): cm³
 - 3.2.1.6. Normal engine idling speed ⁽²⁾: min⁻¹
 - 3.2.1.8. Maximum net power: kW at min⁻¹
(manufacturer's declared value)
 - 3.2.2.1. Light-duty vehicles: Diesel / Petrol / LPG / NG or Biomethane /
Ethanol (E85) / Biodiesel / Hydrogen ⁽¹⁾⁽⁶⁾
 - 3.2.2.4. Vehicle fuel type: Mono fuel, Bi fuel, Flex fuel ⁽¹⁾
 - 3.3. **Electric motor**
 - 3.3.1. Type (winding, excitation):
 - 3.3.1.1. Maximum hourly output: kW
 - 3.3.1.2. Operating voltage: V
 - 3.3.2. Battery
 - 3.3.2.4. Position:
- 3.4. **Engine or motor combination**
 - 3.4.1. Hybrid electric vehicle: yes/no ⁽¹⁾
 - 3.4.2. Category of hybrid electric vehicle: off-vehicle charging / not off
vehicle charging: ⁽¹⁾
- 4. TRANSMISSION** ^(p)
 - 4.2. Type (mechanical, hydraulic, electric, etc.):
 - 4.5. Gearbox
 - 4.5.1. Type (manual / automatic / CVT (continuously variable
transmission)) (1)
 - 4.7. Maximum vehicle design speed (in km/h)
- 5. AXLES**
- 5.1. Description of each axle:
- 6. SUSPENSION**
 - 6.2. Type and design of the suspension of each axle or wheel:
 - 6.2.1. Level adjustment: yes/no/optional ⁽¹⁾
 - 6.2.3. Air-suspension for driving axle(s): yes/no ⁽¹⁾

- 6.2.4. Air-suspension for non-driving axle(s): yes/no ⁽¹⁾
- 6.6.1. Tyre/wheel combination(s)
 - (a) for tyres indicate size designation, load-capacity index, speed category symbol, rolling resistance in accordance with ISO 28580 (where applicable) ^(r);
 - (b) for wheels indicate rim size(s) and off-set(s)
- 6.6.1.1. Axles
 - 6.6.1.1.1. Axle 1:
 - 6.6.1.1.2. Axle 2:
- 6.6.1.2. Spare wheel, if any:
- 6.6.2. Upper and lower limits of rolling radii
 - 6.6.2.1. Axle 1:
 - 6.6.2.2. Axle 2:
- 8. BRAKES**
- 8.5. Anti-lock braking system: yes/no/optional ⁽¹⁾
- 9. BODYWORK**
- 9.1. Type of bodywork using the codes set out in paragraph 2 of Part A of Annex 7:
- 9.3. **Occupant doors, latches and hinges**
 - 9.3.1. Door configuration and number of doors:
- 9.10. **Interior arrangement**
 - 9.10.3. Seats
 - 9.10.3.1. Number of seating positions ^(s):
 - 9.10.3.1.1. Location and arrangement:

Exemplary notes:

- (1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable).
- (2) Specify the tolerance.
- (3) Please fill in here the upper and lower values for each variant.
- (6) Vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.
- (b) If the means of identification of type contains characters not relevant to describe the vehicle types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).
- (c) Classified according to the definitions as defined in Annex 7 to the Consolidated Resolution on the Construction of Vehicles (R.E.3) (document TRANS/WP.29/78/Rev.1/Amend.2 as last amended by Amend.4).
- (g) Standard ISO 612: 1978 — Road vehicles — Dimensions of motor vehicles and towed vehicles — terms and definitions.
- (g1) Motor vehicle and drawbar trailer: term No 6.4.1.
- (g4) Term No 6.5.
- (g5) Term No 6.1.
- (g7) Term No 6.2
- (g8) Term No 6.3
- (i) For trailers or semi-trailers, and for vehicles coupled with a trailer or a semi-trailer, which exert a significant vertical load on the coupling device or the fifth wheel, this load, divided by standard acceleration of gravity, is included in the maximum technically permissible mass.
- (k) In the case of a vehicle that can run either on petrol, diesel, etc., or also in combination with another fuel, items shall be repeated.
In the case of non-conventional engines and systems, particulars equivalent to those referred to here shall be supplied by the manufacturer.
- (m) This value shall be calculated ($\pi = 3,1416$) and rounded off to the nearest cm^3 .

- (p) The specified particulars are to be given for any proposed variants.
- (r) For tyres of category Z intended to be fitted on vehicles whose maximum speed exceeds 300 km/h equivalent information shall be provided.
- (s) The number of seating positions to be mentioned shall be the one when the vehicle is in motion. A range can be specified in case of modular arrangement.]

Part III: Type approval numbers

Supply the information required by the following table in respect of the applicable subjects for this vehicle in Annex 4. (All relevant approvals for each subject shall be included. However, information in respect of components need not be given here so long as such information is included in the approval certificate relating to the installation prescriptions).

Regulation	Type approval number	Extension date	Variant(s)/ version(s)

Signed:
 Position in company:
 Date:

[Annex 6: IWVTA declaration of conformance (DoC)]

1. GENERAL DESCRIPTION

- 1.1. The IWVTA declaration of conformance has to include:
 - (a) the Vehicle Identification Number or the range of Vehicle Identification Numbers;
 - (b) a statement of conformance by the manufacturer (Appendix 1);
 - (c) the list detailing the requirements of Annex 4 a vehicle conforms with (Appendix 2)
- 1.2. The IWVTA declaration of conformance shall be established in a printable maximum format A4 (210 × 297 mm) or a folder of maximum format A4.
2. **(Reserved)**¹

Appendix 1: IWVTA declaration of conformance for vehicles of category M1

SIDE 1

The undersigned [..... (Full name and position)]
hereby certifies that the vehicles:

- 0.1. Make (Trade name of manufacturer):
- 0.2. Type:
- Variant ^(a):
- Version ^(a):
- 0.2.1. Commercial name:
- 0.4. Vehicle category:
- 0.5. Name and address of manufacturer:
- 0.6. Location and method of attachment of the statutory plates:
- Location of the vehicle identification number:
- 0.9. Name and address of the manufacturer's representative (if any):
- 0.10. Vehicle identification number:

Conform(s) in all respects to the type described in the documents for application of approval including the conformance to the UN Regulations as listed in this document [indicating the status of being produced for right/left ^(b) hand traffic and with metric/imperial ^(c) units for the speedometer ^(d).]

(Place) (Date): ... (Signature):

Explanatory Notes

- ^(a) Indicate the identification code. This code shall contain not more than 25 characters for a variant and not more than 35 characters for a version.
- [^(b) Indicate whether the vehicle is suitable for use in either right or left-hand traffic or both right and left-hand traffic.
- ^(c) Indicate whether the speedometer fitted has metric or both metric and imperial units.
- ^(d) This statement shall not restrict the right of the Contracting Parties to require technical adaptations in order to allow the registration of a vehicle by a Contracting Party other than the one for which it was intended when the direction of the traffic is on the opposite side of the road.]

¹ Reserved for the introduction of a document for the registration of an individual whole vehicle including the technical description provided that the Regulation No. 0 includes all provisions required for the approval of a whole vehicle.

Appendix 2

List of requirements the vehicle(s) conform(s) to

Number	UN Regulation No.	Series of amendment No.	Supplement No.
1			
2			
3			
4			
5			
6			
....			
XX			
XX+1			

Appendix 1: Model translation sheet for the IWVTA declaration of conformance

It is envisioned that a translation sheet of the following structure is established for the IWVTA document of fulfilment for each vehicle category and for each language required by a Contracting Party requesting the document of fulfilment.

These translation sheets facilitate the use of IWVTA documents of fulfilment in the respective Contracting Parties without the need for translation of all the individual data of each vehicle

Entry Number	English specification	Other language translation
0.1.	Make (Trade name of manufacturer):	
0.2.	Type: Variant ^(a) : Version ^(a) :	
0.2.1.	Commercial name:	
0.4.	Vehicle category:	
0.5.	Name and address of manufacturer:	
0.6.	Location and method of attachment of the statutory plates: Location of the vehicle identification number:	
0.9.	Name and address of the manufacturer's representative (if any):	
0.10.	Vehicle identification number:	
	conforms in all respects to the type described in the documents for application of approval indicating the status of being produced for right/left ^(b) hand traffic and with metric/imperial ^(c) units for the speedometer ^(d) .	
	(Place) (Date): (Signature):	
	General construction characteristics	
1.	Number of axles: ... and wheels: ...	
3.	Powered axles (number, position, interconnection):	
	Main dimensions	
4.	Wheelbase ^(e) : mm	
4.1.	Axle spacing: 1-2: ... mm 2-3: ... mm 3-4: ... mm	
5.	Length: mm	
6.	Width: mm	
7.	Height: mm	
...		

Footnote Number	English specification	Other language translation
	Explanatory Notes	
(1)	Delete where not applicable.	
(a)	Indicate the identification code. This code shall contain not more than 25 characters for a variant and not more than 35 characters for a version.	
(b)	Indicate whether the vehicle is suitable for use in either right or left-hand traffic or both right and left-hand traffic.	
(c)	Indicate whether the speedometer fitted has metric or both metric and imperial units.	
(d)	This statement shall not restrict the right of the Contracting Parties to require technical adaptations in order to allow the registration of a vehicle in a Contracting Party other than the one for which it was intended when the direction of the traffic is on the opposite side of the road.	
(e)	This entry shall be only completed when the vehicle has two axles.	
(f)	This mass shall include the mass of the driver. The actual mass may vary by 5 % with respect to the mass stated in this entry.	
(g)	For hybrid electric vehicles, indicate both power outputs.	
(h)	Optional equipment under this letter can be added under entry 'Remarks'.	
(i)	The codes described in Annex 7 Part A paragraph 2. shall be used.	
(j)	Indicate only the basic colour(s) as follows: white, yellow, orange, red, violet, blue, green, grey, brown or black.	
(k)	Excluding seats designated for use only when the vehicle is stationary and the number of wheelchair positions.	
(l)	Need reference definition of emission levels	

Footnote Number	English specification	Other language translation
(m)	Repeat for the various fuels which can be used. Vehicles, which can be fuelled with both petrol and gaseous fuel but where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded as vehicles which can only run a gaseous fuel.]	

[Annex 7: Definition of the vehicle type]

Part A: Vehicles of category M1

1. Definition of vehicle type, variant, and version

1.1 Vehicle type

1.1.1 A “vehicle type” shall consist of vehicles which have all of the following features in common:

(a) the manufacturer’s company name.

A change in the legal form of ownership of the company does not require that a new approval has to be granted;

(b) the design and assembly of the essential parts of the body structure in the case of a self-supporting body.

The same shall apply *mutatis mutandis* to vehicles the bodywork of which is bolted on or welded to a separate frame;

1.1.2 By way of derogation from the requirements of point 1.1.1(b), when the manufacturer uses the floor portion of the body structure as well as the essential constituent elements forming the front part of the body structure located directly in front of the windscreen bay, in the construction of different kinds of bodywork (for example a saloon and a coupe), those vehicles may be considered as belonging to the same type. Evidence thereof shall be provided by the manufacturer.

1.1.3 A type shall consist of at least one variant and one version.

1.2 Variant

1.2.1 A “variant” within a vehicle type shall group the vehicles which have all of the following construction features in common:

(a) the number of lateral doors or the type of bodywork as defined in paragraph 2 when the manufacturer uses the criterion of paragraph 1.1.2;

(b) the power plant with regard to the following construction features:

(i) the type of energy supply (internal combustion engine, electric motor or other);

(ii) the working principle (positive ignition, compression ignition or other);

(iii) the number and arrangement of cylinders in the case of internal combustion engine (L4, V6 or other);

(c) the number of axles;

(d) the number, and interconnection of powered axles;

(e) the number of steered axles;

1.3 Version

1.3.1 A “version” within a variant shall group the vehicles which have all the following features in common:

(a) the technically permissible maximum laden mass;

(b) the engine capacity in the case of internal combustion engine;

(c) the maximum engine power output or the maximum continuous rated power (electric motor);

(d) the nature of the fuel (petrol, gas oil, LPG, bi-fuel or other);

- (e) the maximum number of seating positions;
- (f) drive-by sound level;
- (g) exhaust emission level;
- (h) combined or weighted, combined CO₂ emissions;
- (i) electric energy consumption (weighted, combined);
- (j) combined or weighted, combined fuel consumption;

2. Kinds of bodywork

The codes of vehicles of categories M1⁸ shall be used.

⁸ As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/WP.29/78/Rev.3, paragraph 2.9.1. – www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html