

Submitted by the Chairman and
Co-Vice-Chairs of IWVTA Informal Group

Informal document WP.29-164-22
(164th session of WP.29, agenda item 4.3.)

*UN Regulation No. 0 second draft
submitted to WP.29 at its 164th session
for consideration*

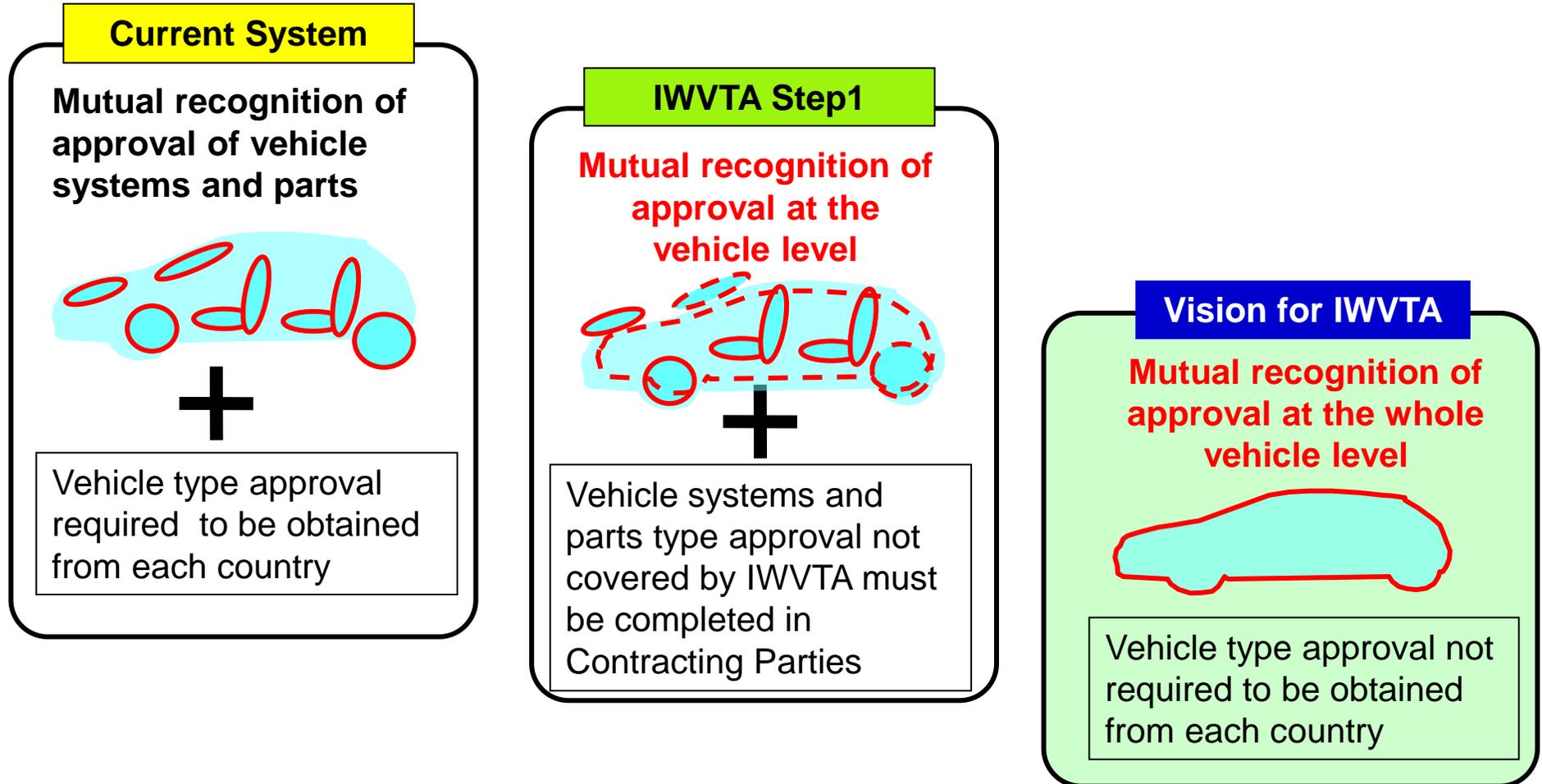
IWVTA Informal Group

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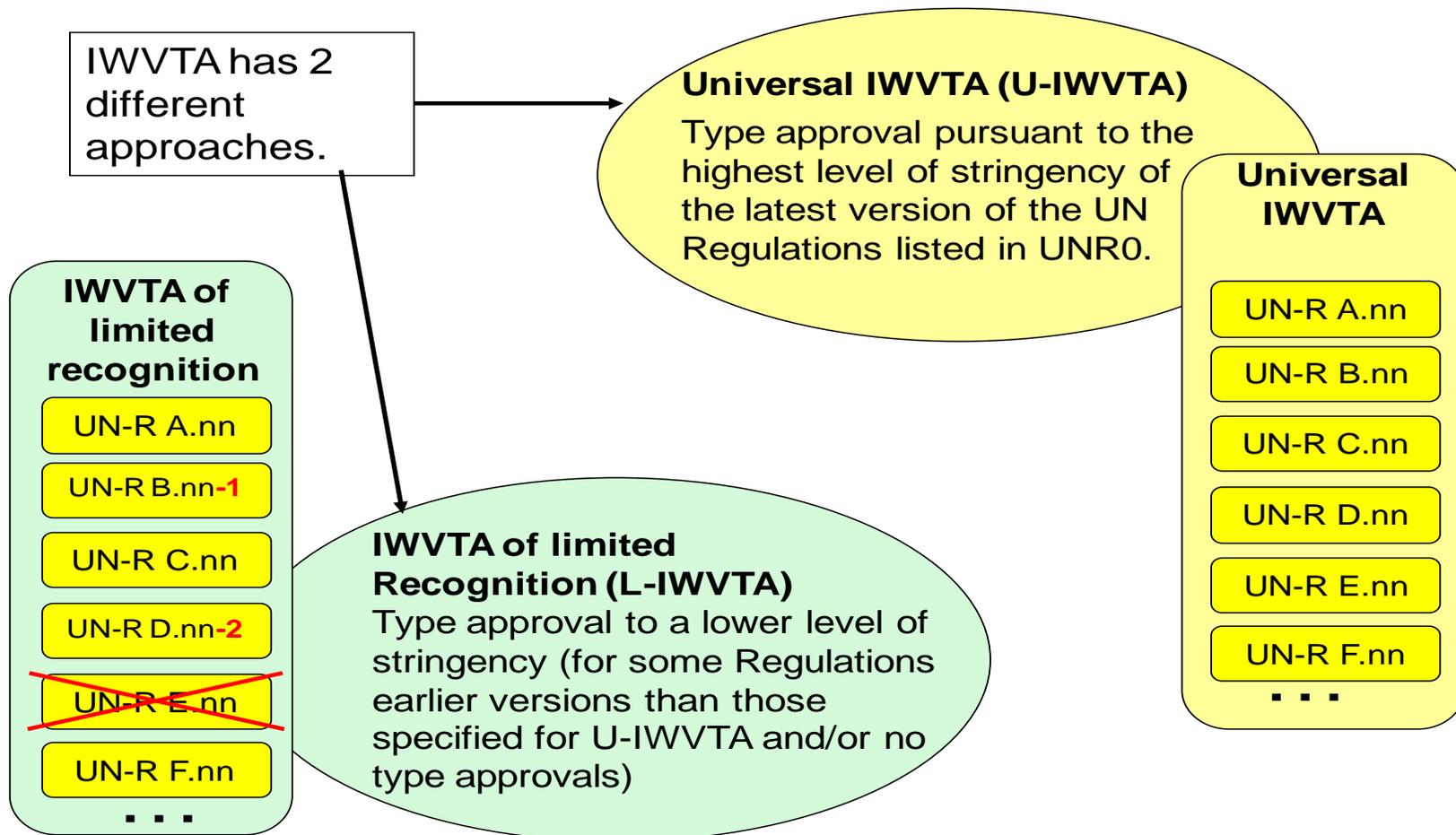
1. What is IWVTA?

UN R0 seeks to establish an internationally recognised whole vehicle type approval (IWVTA) scheme within the framework of the revised 1958 Agreement.



1. What is IWVTA?

U-IWVTA and L-IWVTA



2. Overall interest in IWVTA

Overall interest in IWVTA	Contracting Parties
Plans to apply UN R0 as soon as it enters into force.	Australia, Japan, South Africa, the Russian Federation, Ukraine
Plans to apply UN R0, but at a later stage	Malaysia, Thailand
UN R0 will be applied according to the expected final decision of the responsible body of the EU	EU member states
Still under consideration	Republic of Serbia, Switzerland
Need more information to make any decision	Brazil

5 Contracting Parties out of 13 that completed the questionnaire have already indicated their intention to apply UN R0 as soon as it enters into force.

3. The 2nd draft UN R0

3-1 Major differences between UN Regulation No.0 and other UN Regulations

	UN Regulation No.0 (IWVTA)	Other UN Regulations
Technical requirements	-The technical requirements for UN R0 are not explicitly contained in itself, but are incorporated by reference to a list of UN Regulations found in Annex 4 of UN R0.	-Contain technical requirements to be complied with
Test procedures	-Where compliance is demonstrated by all required certificates covering the vehicle type, no further testing is foreseen for IWVTA.	-Contain test procedures to be followed in order to demonstrate compliance to technical requirements
Update	-The proposal for UN R0 update shall be put to vote once per year at WP.29 November session	-The proposal to amend UN Regulations can be put to vote at any sessions of WP.29
Transitional provisions	-When granting a IWVTA type approval , the transitional provisions of the UN Regulations applicable to IWVTA shall be respected.	-In order to create transparency about the contents of an IWVTA , it is suggested to provide common commencement date of September 1.
Level of stringency	UN R0 contains different levels of stringency, i.e., U-IWVTA and L-IWVTAs in one series	Level of stringency differs between the series amendments. However, one series amendment has only one level of stringency

3. The 2nd draft UN R0

3-2 Structure

Sub-Group “UN R0” (SGR0) submitted the 2nd draft UN R0 (WP.29-164-22) to WP.29.

Contents

- 1. Scope**
 - 2. Definitions**
 - 3. Application for approval**
 - 4. Approval**
 - 5. Specifications**
 - 6. Test procedure**
 - 7. Modification of vehicle type and extension of approval**
 - 8. Conformity of production**
 - 9. Penalties for non-conformity of production**
 - 10. Production definitely discontinued**
 - 11. Names and addresses of Technical Services responsible for conducting approval tests and of approval authorities**
 - 12. Introductory and transitional provisions**
 - 13. Special requirements for Contracting Parties applying this Regulation**
- Annex 1: Communication**
- Annex 2: Arrangement of the approval mark**
- Annex 3: Procedures to be followed for IWVTA**
- Annex 4: List of requirements for the purpose of IWVTA: List of regulatory acts**
- Annex 5: Information document for the purpose of IWVTA**
- [Annex 6: IWVTA declaration of conformance (DoC)]**
- [Annex 7: Definition of the vehicle type]**

3. The 2nd draft UN R0

3-3 Outline of each section

Section	Outline, remarks
1. Scope	-Applies to only vehicles of category M1
2. Definitions	-Adds new definitions of “IWVTA”, “U-IWVTA”, and “IWVTA of Limited recognition (L-IWVTA)” -Adds definition of vehicle type (Annex 7)  <i>Remaining issue 1</i>
3. Application for approval	-The application and the accompanying documentation shall be drawn up in English -The manufacture shall provide translation of the documentation, if requested
4. Approval	-Two kinds of approval mark; one is for U-IWVTA (Annex 1, Section 1), and the other is for L-IWVTA (Annex 1, Section2); alternative use of Unique Identifier
5. Specifications	-For a U-IWVTA, type approval certificates to all applicable UN Regulations as listed in Annex 4, Section 1 shall be included. -For a L-IWVTA, one or more type approval certificates required for U-IWVTA can be omitted or replaced by the certificate according to an earlier version of the respective UN Regulation. [-The manufacturer shall provide the Declaration of Conformance (Annex 6)]  <i>Remaining issue 2</i>

3. The 2nd draft UN R0

Section	Outline, remarks
6. Test procedure	-Where compliance to the requirements is demonstrated by providing all required certificates covering the vehicle type, no further testing is foreseen for IWVTA according to this Regulation.
7. Modification of vehicle type and extension or modification of approval	-Every modification of the vehicle type shall be notified to the Contracting Party -When new requirements enter into force, a U-IWVTA has to be amended or it become a L-IWVTA. -No amendment to the type approval shall be required if the new requirements are not applicable to that vehicle type
8. Conformity of Production	-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	-The approval of a vehicle type 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.

3. The 2nd draft UN R0

3-3 Outline of each section

Section	Outline, remarks
10. Production definitely discontinued	-If the manufacture completely ceases to manufacture approved vehicle type, they shall inform the approval authority. That approval authority shall inform the other Contracting Parties using a communication form illustrated in Annex 1.
11. Names and addresses of Technical Services and of approval authorities	-Contracting Parties shall communicate to the United Nations Secretariat the names and addresses of the Technical Services and of the approval authorities.
12. Introductory and Transitional provisions	-As from [x] months after the date of entry into force of UN R0, a Contracting Party shall accept an IWVTA -When granting an IWVTA, the transitional provisions of the UN Regulations applicable to IWVTA shall be respected

3. The 2nd draft UN R0

3-3 Outline of each section

Section	Outline, remarks
13. Special requirements for Contracting Parties applying this Regulation	<p>Regardless of whether a Contracting Party applies any UN Regulations listed in Annex 4;</p> <p>13.1 it shall accept a U-IWVTA as evidence of compliance for all vehicle systems, equipment and parts approved therein</p> <p>13.2 it may issue an IWVTA</p> <p>13.3 it shall for the purpose of granting an IWVTA accept any type approvals issued according to UN Regulations listed in Annex 4</p> <p>13.4 [it shall for the purpose of placing on the market of equipment and spare parts for vehicles covered by an IWVTA, accept the individual type approvals referenced in the IWVTA as evidence of compliance for the respective equipment and parts]</p> <p> Remaining issue 3</p> <p>13.5 Subject to notification to the Secretariat of the Administrative Committee, a Contracting Party may accept a L-IWVTA as evidence of compliance for some or all vehicle systems, equipment and parts</p>

3. The 2nd draft UN R0

Annex 4 “The technical requirements applicable to IWVTA “

IWVTA Informal Group sent, with endorsement of WP29 at the last June session, a questionnaire to facilitate the collection of suggestion/comments from all countries/REIO participating in WP.29 (refer to doc.IWVTA-SGR0-11-12-rev.3) with a request to submit answers.

← All 13 Contracting Parties that completed the questionnaire had no difficulty with inclusion of List A UN Regulations. Therefore, List A is included in the 2nd draft UNR0 whereas Regulations in list B will be closely monitored for future inclusion in UNR0.

Answers to lists A/B UN Regulations (SGR0-12-04-rev.3)

Difficulty with the inclusion of lists A/B UN Regulations in UN R0	Contracting Parties
None	Austria, Hungary, Republic of Serbia, Malaysia, Poland, South Africa, Switzerland, Thailand, the Netherlands, the Russian Federation, Ukraine
None, except for UN Regulations in list B which are under consideration by WP.29/GRs to include in IWVTA	Japan
Difficulty with R14 on List B	Australia

3. The 2nd draft UN R0

Annex 4 “The technical requirements applicable to IWVTA “

Number	Topic	UN-Regulation	Number	Topic	UN-Regulation
1	Retro reflecting devices	3	20	Headlamp cleaners	45
2	Direction indicators	6	21	Tyres for commercial vehicles	54
3	Front and rear position lamps, stop-lamps & end-outline marker lamps	7	22	Rear underrun protective devices	58
4	Electromagnetic compatibility	10	23	Parking lamps	77
5	Door latches & door retention components	11	24	Steering equipment	79
6	Steering impact	12	25	Measurement of engine power	85
7	Safety Belts, CRS	16	26	Side marker lamps	91
8	Seats, their anchorages, & head restraints	17	27	Frontal collision	94
9	Front fog lamps	19	28	Lateral collision	95
10	Interior fittings	21	29	Headlamps with gas-charge light sources	98
11	Reversing & manoeuvring lamps	23	30	Gas-charge light sources	99
12	External projections	26	31	Electric power train	100
13	Audible warning signals	28	32	Headlamps with filament lamps and/or LED modules	112
14	Tyres	30	33	Tyre wet grip/Noise/RR	117
15	Filament lamps	37	34	Cornering lamps	119
16	Rear fog lamps	38	35	Hand controls and tell tales	121
17	The Speedometer equipment	39	36	Adaptive front-lighting systems	123
18	Safety glazing	43	37	Forward field of vision	125
19	Built-in Restraining device for children	44	38	Pedestrian safety performance	127
			39	LED light sources	128

4. Remaining issues

4-1 Definition of the vehicle type (Annex 7)

-Need to clarify compatibility between IWVTA type definition and national/regional type definition

-Need to account for the possibility to have U-IWVTA and L-IWVTA for vehicles offered in different markets

4. Remaining issues

4-2 Declaration of Conformance (DoC)

-Proposed obligation for vehicle manufacturers to provide information for single vehicles type-approved according to Regulation no. 0

-The Database DETA would be used for:

- the manufacturer to provide identification of single vehicles
- the information about the Regulations to which the single vehicle conforms to be taken from the IWVTA

-Vehicle manufacturer are stating that single vehicles approved according to R0 conform to the specified IWVTA requirements

-Result of DoC is establishing an internationally harmonised system of information for single vehicles

-Any authorized party can access this vehicle information

-Implementation and adaptation of DETA is necessary

DoC can only be implemented with DETA

WP.29 is requested to decide the reactivation of the IG DETA for this purpose

4. Remaining issues

4-3 Handling procedure for spare parts

- ◆ UN R-0 allows for the possibility that a Contracting Party applies the UN Regulation while not applying all individual UN Regulations annexed to it.
- ◆ This raises the question of how to deal with the acceptance of spare parts for IWVTA approved vehicles by Contracting Parties not applying the UN Regulation.
- ◆ IWVTA Informal Group develop the following alternatives for handling spare parts;

(1) Contracting Parties shall accept original equipment spare parts covered by IWVTA;

Or,

(2) Contracting Parties shall accept all spare parts having valid UN approvals for vehicles covered by IWVTA
[original equipment and after market spare parts.]

5. Request for guidance by WP.29

5-1 Would WP.29 support the **proposed solution on DoC?**

DoC can only be implemented with DETA.

→ **Proposed solution:**

Reactivate the IG DETA for this purpose

5. Request for guidance by WP.29

5-2 Which handling procedure for spare parts should be implemented?

(1) Contracting Parties shall accept original equipment spare parts covered by IWVTA;

Or,

(2) Contracting Parties shall accept all spare parts having valid UN approvals for vehicles covered by IWVTA [original equipment and after market spare parts.]

5. Request for guidance by WP.29

5-3 Would WP.29 support the **proposed solution on UN R48?**

UN R48 and Daytime Running Lights:

- **DRL mandatory in UN R48 except for those CPs not applying UN R87 (who may even forbid DRL, even though they apply UN R48)**
- ➔ **U-IWVTA containing UN R48 approval (with DRL) would therefore not be accepted in those CPs forbidding DRL**

- ➔ **Proposed solution (to be further developed by GRE):**
Remove DRL requirements from UN R48 and transfer them to e.g. UN R87
 - ✓ **UN R87 would consequently address component and installation (e.g. UN R16, UN R46)**
 - ✓ **CPs mandating DRL can continue to do so by mandating UN R87**
 - ✓ **CPs forbidding DRL can continue to do so**
 - ✓ **U-IWVTA containing UN R48 can be accepted by all CPs**

Thank you for your attention!

Latest information on UN Regulation
No.0 second draft (WP.29-164-21) can
be found at;

<http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/geninf164.html>