

Transmitted by the IWVTA Informal Group

informal document WP.29-170-10-rev.1
(170th WP.29, 15 - 18 November 2016,
agenda item 4.3)

***Report to 170th WP.29 session
from
the 22nd IWVTA Informal Group
meeting***

- I. Report from Sub-group “UN R0”
 1. Submission of UN Regulation No.0
 2. Submission of Q&A document on UN R0 and IWVTA

- II. Report from Sub-group “1958 Agreement”
 3. Submission of “General guidelines for UN Regulatory procedures and transitional provisions in UN Regulations” WP.29/1044/rev.2
 4. Submission of Q&A document on Revision 3 of the 1958 Agreement

- III. IWVTA working schedule

- IWVTA Informal Group submits the proposal for UN Regulation No.0 “Uniform provisions concerning International Whole Vehicle Type Approval (IWVTA)” to the 170th session of WP.29.
(refer to doc. [WP.29-170-08](#))
- IWVTA Informal Group plans to remove square brackets on [Annex 4: UN Regulations applicable to IWVTA] in March, 2017 and submit UN R0 formal document to WP.29 at its June, 2017 session.

I-1-2. UN R0; Annex 4 “UN Regulations applicable to IWVTA “

Number	Topic	UN-Regulation
1	Retro reflecting devices	3
2	Illumination of rear registration plates	4
3	Direction indicators	6
4	Front and rear position lamps, stop-lamps & end-outline marker lamps	7
5	Electromagnetic compatibility	10
6	Door latches & retention components	11
7	Steering impact	12
8	Brakes of M1 and N1 vehicles	13-H
9	Safety Belts	16
10	Seats, their anchorages, & head restraints	17
11	Front fog lamps	19
12	Interior fittings	21
13	Reversing & manoeuvring lamps	23
14	External projections	26
15	Audible warning signals	28
16	Tyres	30

Number	Topic	UN-Regulation
17	Filament lamps	37
18	Rear fog lamps	38
19	The Speedometer equipment	39
20	Safety glazing	43
21	Built-in Restraining device for children	44
22	Headlamp cleaners	45
23	Devices for indirect vision including installation	46
24	Installation of lighting and light-signaling devices	48
25	Motor vehicles having at least four wheels with regard to their sound emissions	51
26	Tyres for commercial vehicles	54
27	Rear underrun protective devices	58
28	A temporary-use spare unit, run-flat tyres	64
29	Parking lamps	77

I-1-2. UN R0; Annex 4 “UN Regulations applicable to IWVTA “

Number	Topic	UN-Regulation
30	Steering equipment	79
31	Measurement of engine power	85
32	Side marker lamps	91
33	Frontal collision	94
34	Lateral collision	95
35	Headlamps with gas-charge light sources	98
36	Gas-charge light sources	99
37	Electric power train	100
38	Headlamps with filament lamps and/or LED modules	112
39	Tyre wet grip/Noise/RR	117

Number	Topic	UN-Regulation
40	Cornering lamps	119
41	Hand controls and tell tales	121
42	Adaptive front-lighting systems	123
43	Forward field of vision	125
44	Pedestrian safety performance	127
45	LED light sources	128
46	Brake assist systems	139
47	Electronic stability control systems	140
48	Tyre pressure monitoring systems	141
49	Tyre installation	142

It is proposed to add R13-H, R64, R139, R140, R141 and R142 to Annex 4 (UN Regulations applicable to IWVTA) of UN R0.

Background:

In the process of UN R0 pre-testing it was found that collecting all the type approvals pursuant to UN Regulations on light sources is extremely time-consuming and burdensome.

Individual UN Regulations on lighting and light-signaling devices do not systematically require the light sources to be type-approved to the respective UN Regulations.

Proposal to WP.29: mandate GRE to amend individual UN Regulations on lighting and light-signaling devices to require that light sources be type-approved pursuant to relevant UN Regulations.

I-1-4. UN Reg. requiring amendments before inclusion in Annex 4

Number	Topic	UN-Regulation	
1	Safety-belt anchorages	14	To be considered at the 60 th GRSP session in December, 2016
2	Fuel tanks	34	Planned to be included in Annex 4 in November, 2018
3	Anti-theft/ immobilizer	116	Agreed to split R116 into three separate regulations, dealing respectively with “antitheft”, “immobilizer” and “alarm system”
4	Enhanced CRS	129	R44 would be eventually replaced by R129
5	WLTP; Emission pollutants, Co2 emissions	-	WP.29 approved transposition of GTR15 into UN Regulation(s)

SGR0 considers that these UN Regulations are significantly important for IWVTA and therefore need to be reviewed by GRs regarding how they can be included in UNR0.

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I-2. Q&A document on UN R0 and IWVTA: Proposal to WP.29

- IWVTA Informal Group submits Q&A document on UN R0 and IWVTA to the 170th session of WP.29 (refer to document **WP.29-170-09**)
- Compared to the previous one (document WP.29-167-10), Q13 to Q17 have been added as a result of experience and expertise gained from UN R0 pretesting.
- Q&A document on UN R0 and IWVTA would be placed at an appropriate and conspicuous position of WP.29 website.

Proposal to WP.29: This document should become an official document and be adopted by WP.29.

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II-3-1. General guidelines WP.29/1044/rev.2: Proposal to WP.29

- IWVTA Informal Group submits the proposal for “General guidelines for UN Regulatory procedures and transitional provisions in UN Regulations” (WP.29/1044/rev.2) to the 170th session of WP.29. (refer to doc. **WP.29-170-03**)
- This document aims at clarifying the procedures following Revision 3 of the 1958 Agreement. It also aims at ensuring "good regulatory practice" by providing clarifications in order to avoid divergence in the understanding of Revision 3 of the 1958 Agreement and the application of UN Regulations.
- This document would be placed at an appropriate and conspicuous position of WP.29 website.

Proposal to WP.29: This document should become an official document and be adopted by WP.29.

The Novelties of General guidelines WP.29/1044/rev.2

- **VI. General guidelines on administrative/transitional provisions**
 - C. Version of a UN Regulation**
 - explain what is a “Version” of a UN Regulation, i.e., the text of the UN Regulation based on the original text of the Regulation or the series of amendments including all subsequent supplements and corrigenda to that series of amendments in force at that date.
- **VII. Update process and transitional provisions for UN Regulation No.0 on IWVTA**
 - The proposal for the new series of amendments of UN R0 updating the list of UN Regulations in Annex 4 shall be put to vote for adoption in the November session of WP.29.
 - The new series of amendments of UN R0 shall have the transitional provisions illustrated at slides 14 below.

The Novelties of General guidelines WP.29/1044/rev.2

- **VIII. Circulation of type approval documentation, use of the secure internet database and use of a Unique Identifier**
 - In general principle the distribution of type approval documentation can be performed by using the secure internet database (DETA) and approval marking may be replaced by a Unique Identifier.

- **Annex 3 Administrative guidelines on amendments to UN Regulations**
 - Depending on the extent of the amendment to a UN Regulation, the secretariat will prepare a document either as a revision, an amendment, or a corrigendum to the UN Regulation.
 - All Working Parties subsidiary to WP.29 shall carefully identify series of amendments to which the proposed supplements is addressed, when considering and adopting new proposal for supplements to UN Regulations.

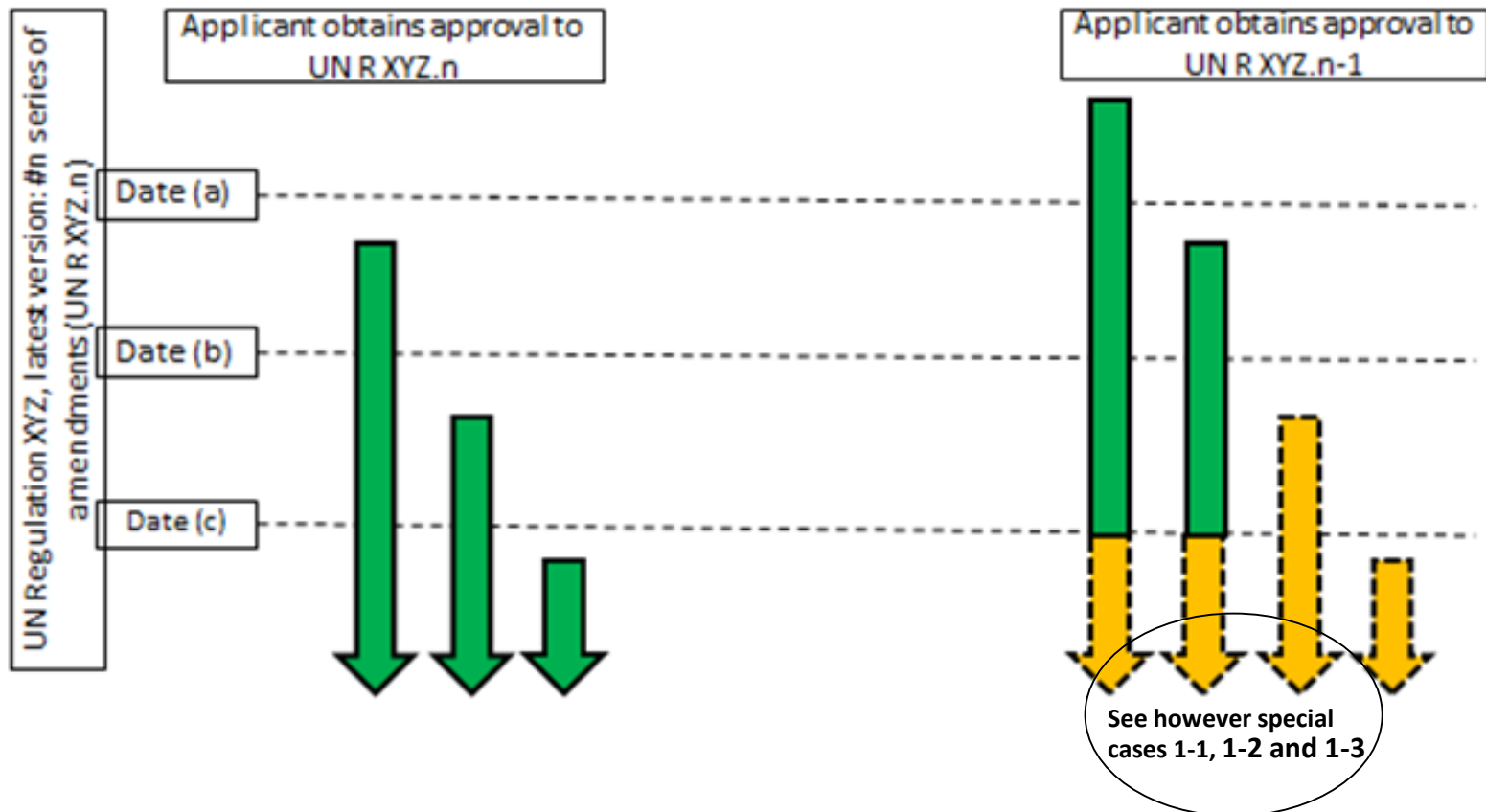
Transitional provisions of UN Regulations



Subject to mutual recognition: all CPs applying the UN Regulation must accept approval and extensions of existing approvals



Not subject to mutual recognition: CPs applying the UN Regulation have the choice to accept or refuse the approval



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II-4-1. Q&A document on Revision 3 of the 1958 Agreement: Proposal to WP.29

- IWVTA Informal Group submits Q&A document on Revision 3 of the 1958 Agreement to the 170th session of WP.29 (refer to document **WP.29-170-21**)
- Q&A document on Revision 3 of the 1958 Agreement is beneficial especially to the countries interested in joining the 1958 Agreement because it covers many basic questions.
- This document would be placed at an appropriate and conspicuous position of WP.29 website.

Proposal to WP.29: This document should become an official document and be adopted by WP.29.

II-4-1. Revision 3 of the 1958 Agreement:

Request to Contracting Parties

"Article 15 of the 1958 Agreement

1. ...

2. ...

3. If all Contracting Parties to the Agreement agree, any UN Regulation adopted under the terms of the previous version of the Agreement may be treated as though it were a UN Regulation adopted under the terms of the above provisions."

- Need for a decision by AC.1 on a common position with regard to implementation of para.3 of Article 15
- IWVTA IWG recommends to follow the procedures of Revision 3.

Request to Contracting Parties: If CPs have concerns regarding this approach, please inform WP.29 Secretariat.

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III-2. Working schedule: Proposal to WP.29

- Schedule to submit the proposal for UN Regulation No.0:
 - **March, 2017** : Finalize Annex 4 of UN Regulation No.0 (UN Regulations applicable to IWVTA)
 - **June, 2017**: submit the final proposal for UN Regulation No.0 to WP.29 as a formal document
 - **November, 2017**: WP.29 is expected to approve the proposal in accordance with Article 5 of Appendix to the Revision 3 of the 1958 Agreement

Proposal to WP.29: extend the mandate of IWVTA IWG by six months, i.e., to December 2017 until the expected approval date of UN Regulation No.0.

In summary;

Proposal to WP.29: “General Guidelines WP.29/1044/rev.2”, “Q&A document on UN R0 and IWVTA”, and “Q&A document on Revision 3 of the 1958 Agreement” should become an official document and be adopted by WP.29.

Proposal to WP.29: mandate GRE to amend individual UN Regulations on lighting and light-signaling devices to require that light sources be type-approved pursuant to relevant UN Regulations.

Proposal to WP.29: extend the mandate of IWVTA IWG by six months, i.e., to December 2017 until the expected approval date of UN Regulation No.0.

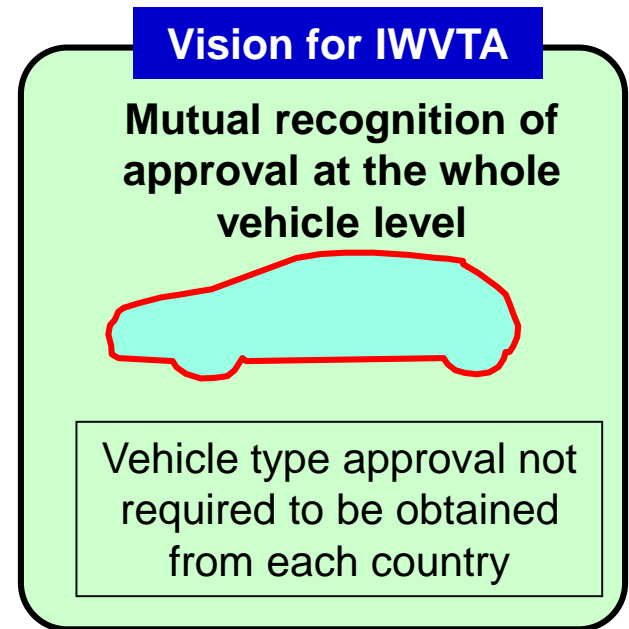
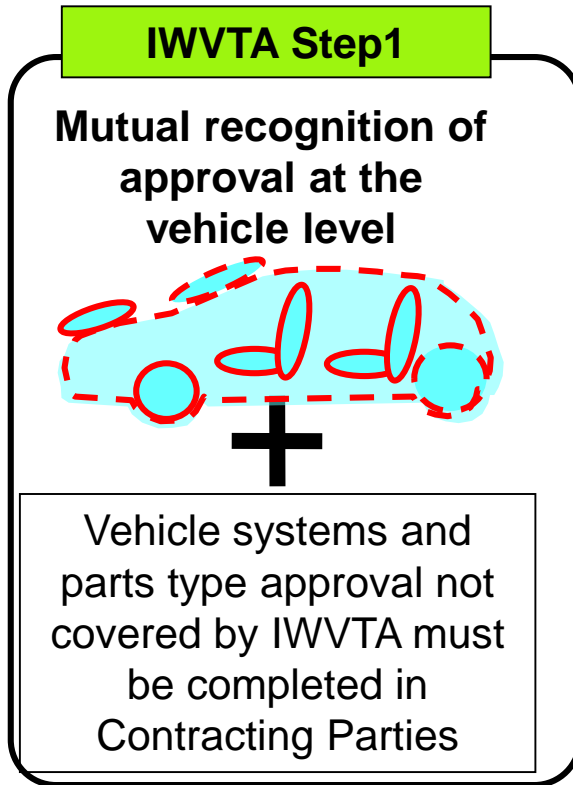
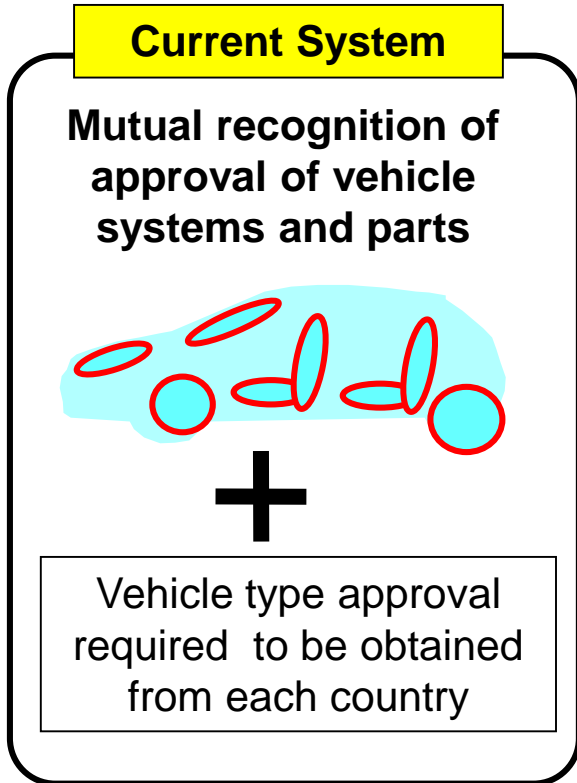
Request to Contracting Parties: If CPs have concerns on the approach to follow the procedures of Revision 3 of the 1958 Agreement for all UN Regulations in accordance with Article 15(3) of revision 3, please inform WP.29 Secretariat.

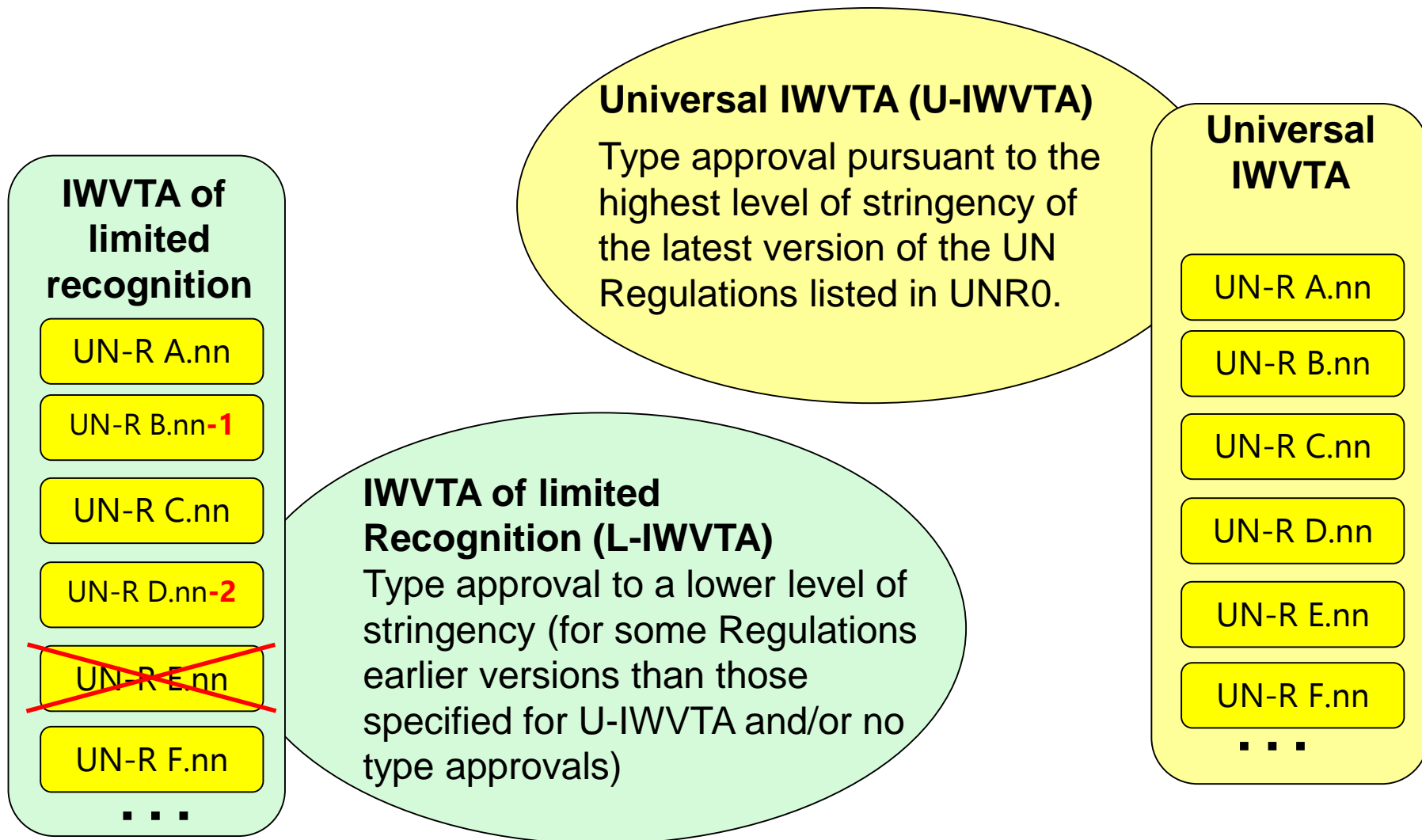
We recognize the entire IWVTA vision cannot be achieved from the very beginning due to:

- the different number of UN Regulations currently applied by CPs, and
- the different requirements for type-approval at whole vehicle level operated nationally/regionally.

And so;

- in the first version of UNR0 the number of key provisions will not be sufficient to cover all aspects necessary for full type-approval of a whole vehicle → “IWVTA Step 1” = "**partial**" whole vehicle type-approval.
- at a future point this “IWVTA Step1” should develop into a "**complete**" whole vehicle type-approval.
- we are not proposing a timescale for delivering this overall vision.





IWVTA has 2 different approaches, i.e., U-IWVTA and L-IWVTA.

- Contracting Party applying UNR0 **can** grant a U-IWVTA and/or L-IWVTA provided that they have ‘technical competence’, regardless of whether that CP applies all UN Regulations listed in Annex 4 of UNR0. (see paragraph 13.2 of UNR0)
- CP **may** accept L-IWVTA (i.e. a lower level of stringency based on earlier version of the UN Regulations listed in Annex 4 and/or by not requiring approvals for all these UN Regulations) provided it notifies the details of this lower level of stringency to the UNECE secretariat. (see paragraph 13.5 of UNR0)

Contracting Party(CP) applying UN R0 ***shall*** :

- accept U-IWVTA regardless of whether or not it applies the UN Regulations listed in Annex 4, Section 1. (see paragraph 13.1 of UNR0)
- accept, for the purpose of issuing an IWVTA, type approvals issued by other CPs according to UN Regulations listed in Annex 4, Section 1, even where that CP does not apply those UN Regulations. (see paragraph 13.3 of UNR0)
- notify the secretariat those UN Regulations if the CP will accept a lower level and/or no approval as part of a L-IWVTA. (see paragraph 13.5 of UNR0)

- An **IWVTA class** can contain all variants regardless of their level of conformity
- Within an IWVTA class every single **IWVTA type** defines one level of conformity
- 1 IWVTA approval always covers 1 IWVTA type
- Manufacturer identifies the IWVTA types within an IWVTA class by a unique type designation
- Vehicles within one IWVTA class get approval numbers that are related (see next slide)
- Approvals for all IWVTA types within 1 IWVTA class shall be handled by the same approval authority

IWVTA class “Beetle”

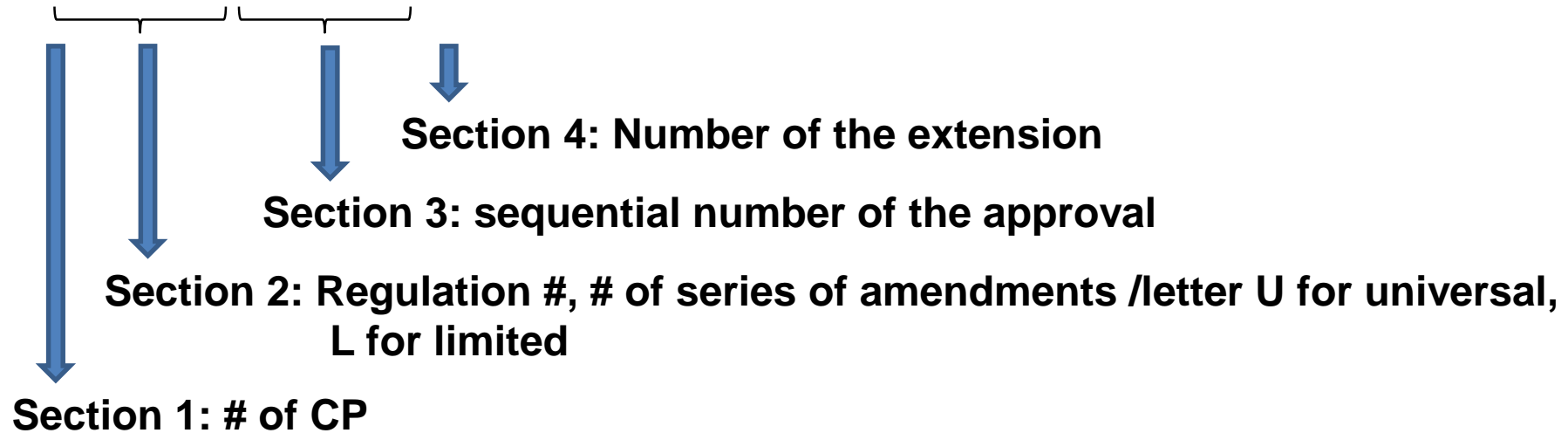


**IWVTA type 1:
“Beetle with ESC”**



**IWVTA type 2:
“Beetle without ESC”**

E4*0R00/U*0004/01*02



Explanation of changes:

- The letters U or L are included in section 2 after the number of the series of amendments
- A 6-digit number for Section 3 is proposed which is construed as follows:
 - First 4 digits identify the **IWVTA class** : a new sequential number is assigned by the approval authority once the manufacturer applies for the first approval of a new vehicle type
 - / followed by 2 last digits which sequentially number the different **IWVTA type** within the IWVTA class starting with 01. They correspond to different **IWVTA types**

Before : IWVTA class covered by U-IWVTA

What happens

- New requirements enter into force
 - (a) Manufacturer performs technical changes in order to meet new requirements (involves no changes in variants and versions)
 - (b) Manufacturer does not maintain the universal status

What to do

- (a) Extend existing U-IWVTA, here Sections 1-3 of the approval number and marking remain unchanged
- (b) Create a new L-IWVTA under a new designation of IWVTA type

