

WP.29-163-21
agenda item 4.3.

Submitted by the Chairman of IWVTA Sub-group UN R0

Excerpt from Informal document No.WP.29-161-17 and WP.29-162-12/Rev.1 transmitted by the representative of Japan as Chairman of IWVTA Sub-group “UN R0”

SGR0-11-12-rev.2-attachment

Progress Towards an International Whole Vehicle Type Approval Scheme

Sub-group “UN R0” of IWVTA Informal Group

Excerpt from Informal document No.WP.29-161-17 and WP.29-162-12/Rev.1 transmitted by the representative of Japan as Chairman of IWVTA Sub-group “UN R0”

1. TOR of IWVTA Informal Group

2. Overview of IWVTA

1. UN Regulation No. 0 (UN R0)
2. Objective of IWVTA - Who benefits from IWVTA?
3. Delivering the Vision and Visualising our Approach
4. What IWVTA comprises

3. Issues for WP.29 to note

1. Working Assumptions
2. Contents of draft UNR0 and its Technical Requirements
3. Items for Further Discussion

4. Future evolution of UN R0

- ◆ The World Forum for Harmonization of Vehicles Regulations (WP.29), at its March 2010 session, decided to set up an informal group to establish an inventory of items to be addressed in a review of the 1958 Agreement and roadmap for future actions to be undertaken relating to
 - i) the quality assurance of type approval,
 - ii) its functional improvement, and
 - iii) establishment of IWVTA.

- ◆ The roadmap for the revision of the 1958 Agreement and introduction of IWVTA proposed by IWVTA Informal Group were approved by WP.29 at its 155th session in November, 2011.

- ◆ According to this roadmap, IWVTA Informal Group is to submit “candidate items for technical regulations applicable to IWVTA” and “guideline for GRs to review technical regulations applicable to IWVTA” to WP.29 at its 156 session for consideration.
- ◆ The target completion date for the work of the informal group shall be the 168th session of WP.29 in March 2016 as indicated in terms of reference (informal document No.WP.29-150-25) and as reflected in the roadmap (Annex 2 of informal document No.WP.29-155-27)

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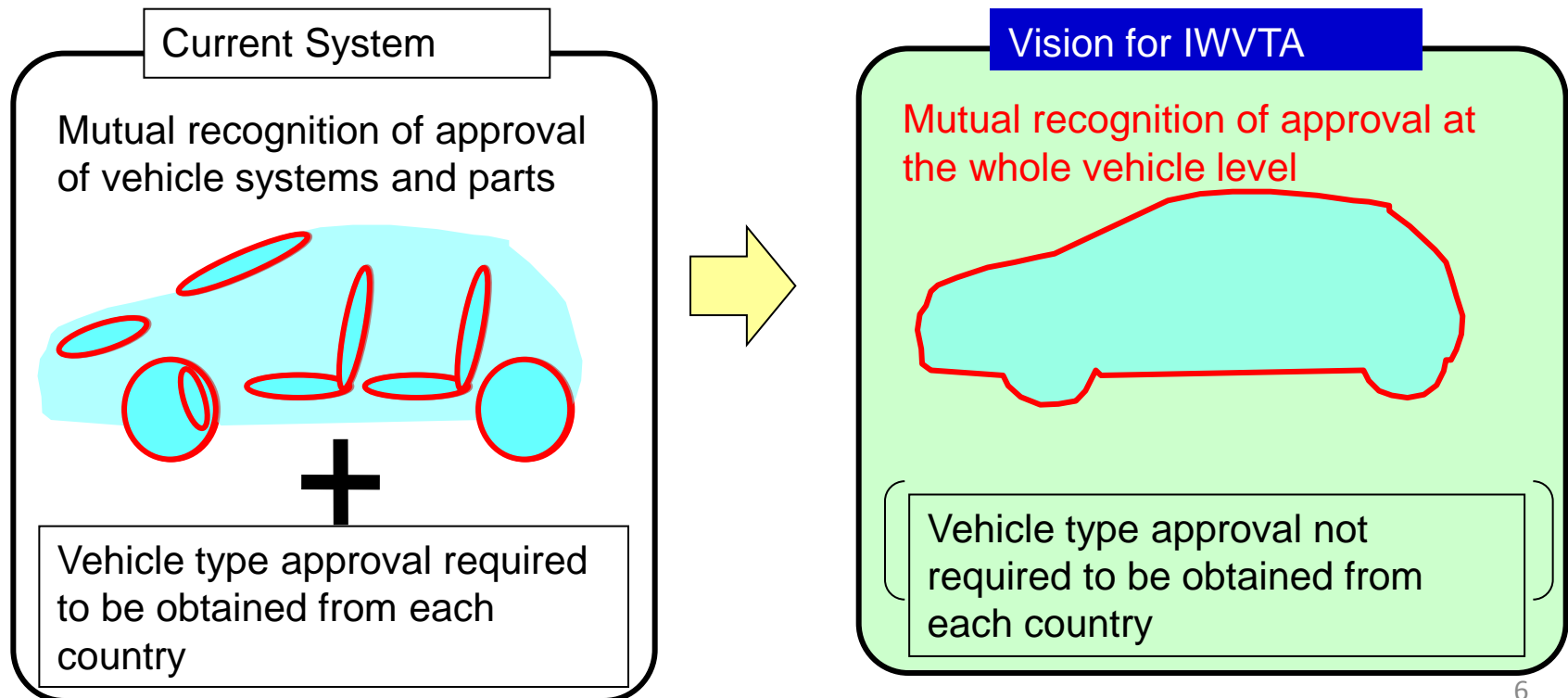
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2.1 UN Regulation No. 0 (UN R0)

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



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2.2 Objective of IWVTA

The principal objective of IWVTA is expanding the mutual recognition of vehicle systems and components to whole vehicles by:

- Achieving wider acceptance of the vehicle/component type approvals pursuant to the UN Regulations;
- Increasing the transparency of vehicle type approval procedures in the Contracting Parties applying the IWVTA regulation;
- Simplifying procedures and minimizing administrative burdens in obtaining national/regional vehicle type approvals; and
- Providing a flexible approach to help Contracting Parties developing their national new-vehicle approval requirements.

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2.3 Who benefits from IWVTA?

Realising the IWVTA objective is beneficial for:

- Governments - in delivering transparent, robust and reliable processes for vehicle type approval.
- Industry - by having access to quicker and more cost efficient type approval; and the potential for easier access to markets applying IWVTA.
- Consumers - who benefit from vehicles meeting uniform and consistent requirements at lower prices.

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2.4 Delivering the Vision

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

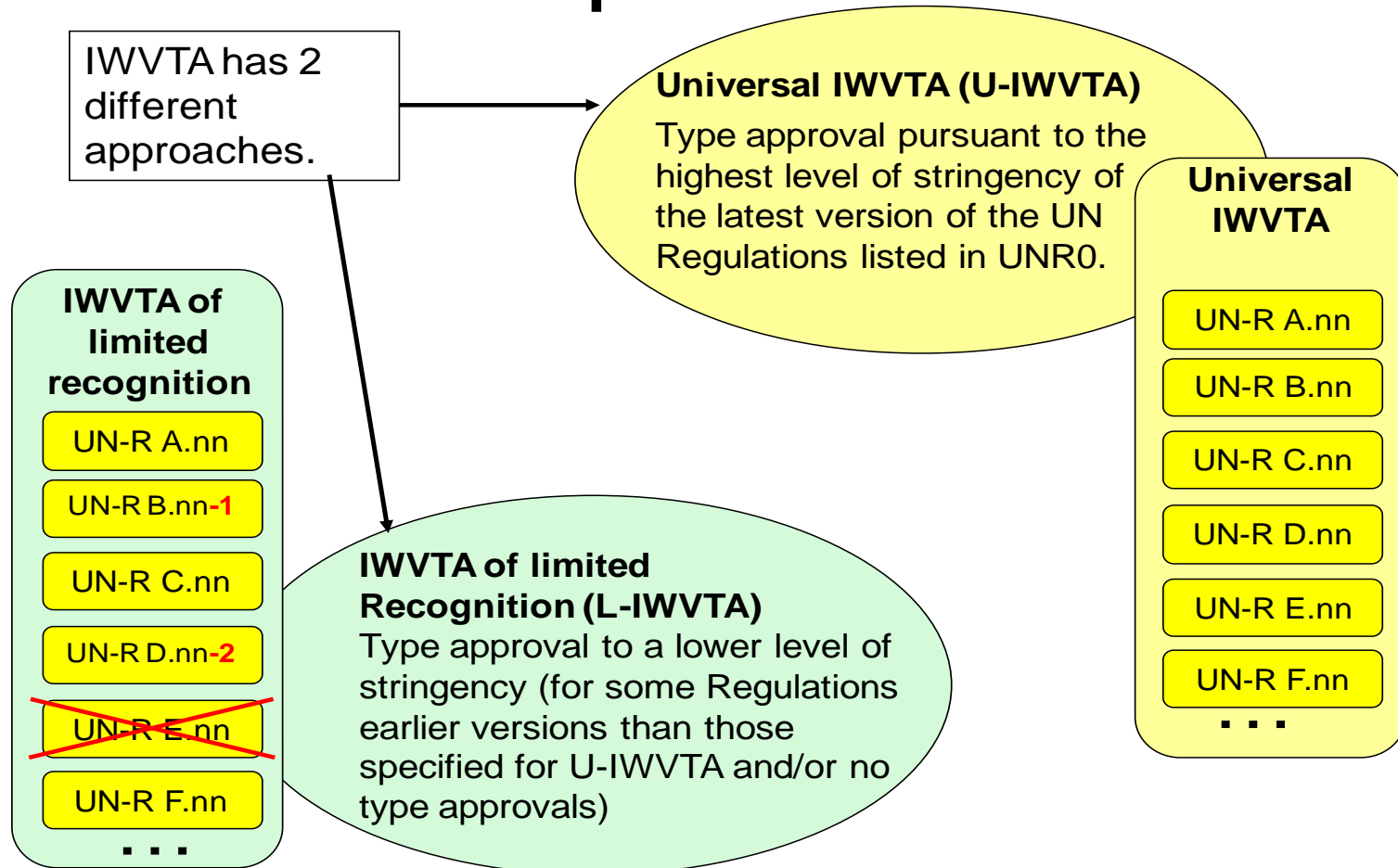
- the different number of UN Regulations currently applied by Contracting Parties, and
- the different requirements at whole vehicle level operated nationally/regionally.

And so;

- in the first version of UN R0 the number of key provisions will not be sufficient to certify a whole vehicle → “partial” IWVTA.
- at a future point this “partial” IWVTA should develop into a complete whole vehicle type approval.
- we are not proposing a timescale for delivering this overall vision.

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2.5 What IWVTA comprises



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3.1 Working Assumptions

The informal group has working assumptions for developing the UNR0;

1. Obligation of Contracting Parties (CPs) applying UN R0

- shall accept U-IWVTA even where they do not apply all the UN Regulations included.
- shall accept, for the purpose of issuing an IWVTA, type approvals correctly issued by other CPs (according to the UN Regulations listed in Annex 4, Section 1), including instances where they do not apply those UN Regulations.
- Shall notify the UN secretariat those UN Regulations where they accept a lower level and/or no approval as part of an IWVTA of limited recognition.

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Working assumptions for UNR0(cont'd);

2. Right of CPs.

- CPs applying UNR0 will be permitted to issue U-IWVTA and/or IWVTA of limited recognition provided that they have ‘technical competence’

“Having regard to Article 2 of the 1958 Agreement ‘technical competence’ means that a Contracting Party has the capability to verify the compliance of a whole vehicle type with UN Regulation No. 0 based on the component type approvals submitted by the manufacturer in the application, and the ability to confirm that the systems and components are installed pursuant to the individual UN Regulations listed in Annex 4 of UN Regulation No. 0.”

3. Routine updating of UNR0.

- Updating UNR0 will be on an annual basis.
- Series of Amendments will be used to provide adequate (legal) visibility of the requirements of the different updates of UNR0.
- Developing our thinking on the possibility of a permanent working group to oversee UNR0.

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3.2 Contents of draft UNR0 and its Technical Requirements

- Sub-Group “UN R0” (SGR0) finished the first review on the draft UN R0 for the first submission to 162nd WP.29 (March 2014), which is WP.29-162-11.

(<http://www.unece.org/fileadmin/DAM/trans/doc/2014/wp29/WP29-162-11.pdf>)

1. Scope
 2. Definitions
 3. Application for approval
 4. Approval
 5. Specifications
 6. Tests
 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 Administrative Departments
 12. Introductory and transitional provisions
 13. Special provisions for Contracting Parties applying this Regulation
- Annex 1: Communication Document
Annex 2: Arrangement of the approval mark
Annex 3: Procedures to be followed during IWVTA of vehicles
Annex 4: List of requirements for the purpose of IWVTA: List of regulatory acts
Annex 5: Information document for the purpose of IWVTA of vehicles
Annex 6: IWVTA declaration of conformance (DoC)
Annex 7: Definition of the vehicle type

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Deciding which UN Regulations to include in UN R0

- ◆ At the 161st WP.29 (November 2013) SGR0 presented two tentative lists:
 - ✓ List A contains those UN Regulations SGR0 proposes to include in the first version of UN R0
 - ✓ List B contains UN Regulations that need revision prior to inclusion into List A (and into UN R0).
- ◆ At the 162nd WP29(March 2014) SGR0 proposed following process:
 - (1) WP29 to invite suggestions/comments from CPs on regulations to be included.
 - (2) Based on these suggestions/comments, SGR0 to review Lists A & B and report back to WP29.
 - (3) WP29 to consider/endorse the lists and to request Working Parties (GRs) to begin revisions to UN Regulations in list B.

3. Issues for WP.29 to note

The technical requirements – The “A” list updated from doc.WP29-162-12-rev.1

Number	Topic	UN-Regulation
1	Retro reflectors	3
2	Direction indicators	6
3	End-outline, stop, side marker, front/rear position (side)	7
4	Radio interference	10
5	Door latches + hinges	11
6	Steering impact	12
7	Safety belts	16
8	Seats + head restraints	17
9	Front fog lamps	19
10	Interior fittings	21
11	Reversing lamps	23
12	External projections	26
13	Audible warning signals	28
14	Tyres	30
15	Light sources	37
16	Rear fog lamps	38
17	Speedometer	39
18	Safety glazing	43
19	Integrated child restraints	44
20	Headlamp cleaners	45

Number	Topic	UN-Regulation
21	Tyres	54
22	Rear protective devices	58
23	Parking lamps	77
24	Steering efforts	79
25	Engine power	85
26	End-outline, stop, side marker, front/rear position (side)	91
27	Frontal impact	94
28	Side impact	95
29	Headlamps	98
30	Light sources	99
31	High voltage	100
32	Headlamps	112
33	Tyre wet grip/Noise/RR	117
34	Cornering lamps	119
35	Controls and tell tales	121
36	Headlamps	123
37	Field of vision	125
38	Pedestrian protection	127
39	Light sources	128

The technical requirements – The “B” list updated from doc.WP29-162-12-rev.1

Number	Topic	UN-Regulation
1	Rear registration plate lamps	4
2	Braking	13H
3	ESC	13H
4	BA	13H
5	Safety-belt anchorages	14
6	Fuel tanks	34
7	Indirect vision devices	46
8	Installation of Lighting equipment	48
9	Permissible sound level	51
10	Temporary tires/ TPMS	64
11	Anti-theft/ immobilizer	116
12	Advanced CRS	129
13	Tyre installation	-
14	WLTP; Emission pollutants, Co2 emissions	-

- SGR0 considers that the UN Regulations in List B are significantly important for IWVTA and therefore need to be reviewed by GRs if and how they can be included in draft UN R0.

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3.3 Items for Further Discussion

No	Action item	2014												2015			Note	
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3		
0	Meeting schedule																	
0-1	IWVTA informal meeting			◆			◆						◆					◆
0-2	Sub-group for the revision of the 1958 Agreement	◆		◆			◆				◆		◆		◆		◆	
0-3	Sub-group for UN R0	◆		◆			◆				◆		◆		◆		◆	
2	UN R0																	
2-1	How to decide which UN Regulations to include in UN R0																	
	Ask CPs about their positions on UN Regulations of “A” list and “B” list			⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	A					
	Possible role of SGRO	⇒	⇒	A														
	Consider in GRs	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒
2-2	Solve the remaining issues																	
	Transitional provision (common commencement date)		⇒	⇒	⇒	⇒	A											
	Format of status document (ECE/TRANS/WP.29/343) to manage L-IWVTA information		⇒	⇒	⇒	⇒	A											
	DoF (Document of fulfillment) or other alternative method	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	A						
2-3	Review and submit the UN R0 second draft to WP.29	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	A						
2-4	Consider the possibility of a permanent working group to oversee UN R0	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒

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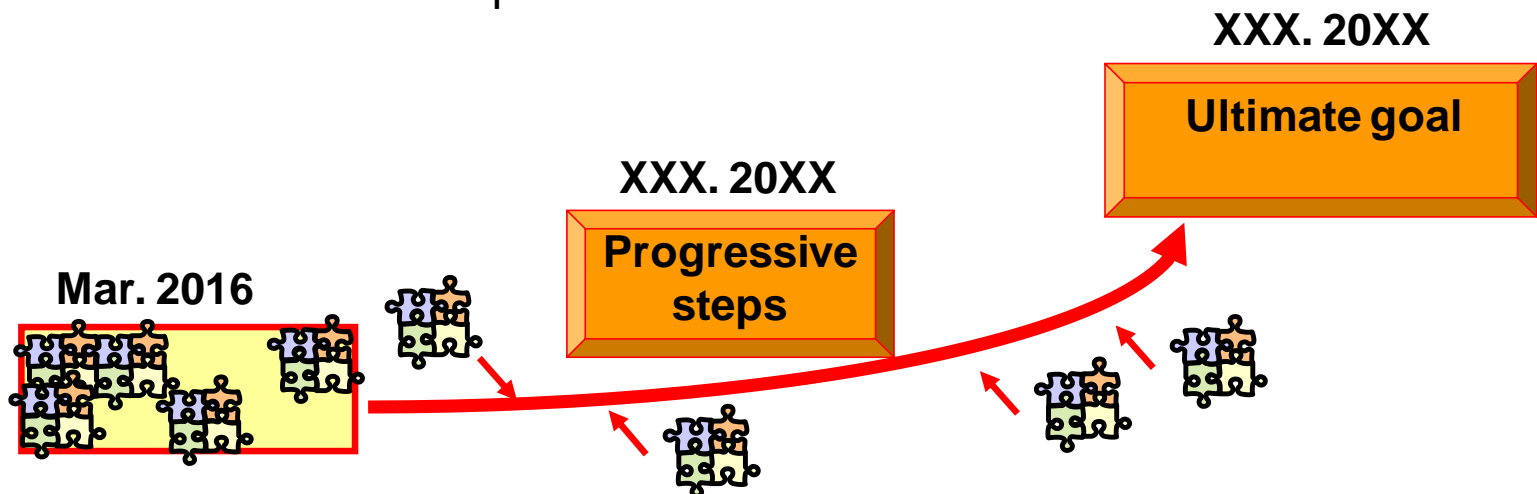
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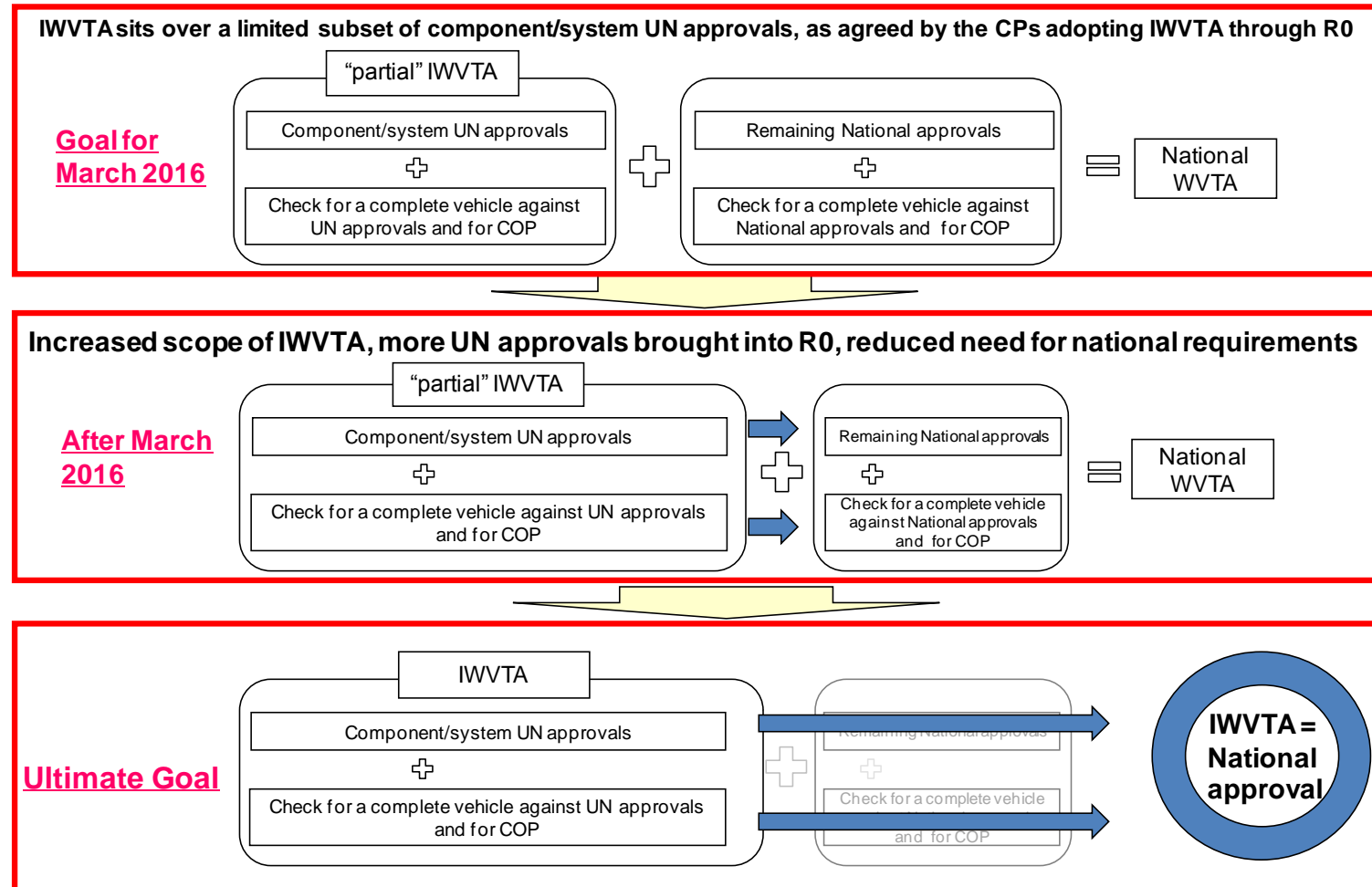
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- ✓ The major objective of IWVTA is the complete mutual recognition of vehicle type approvals - without any additional national requirements or additional approvals.
- ✓ To move forward the followings should be addressed after UN R0 is established at March 2016.
 - How to increase the number of applicable UN Regulations in Annex 4
 - How to reduce national requirements
 - How to extend the scope to include vehicles other than M1



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The IWVTA Vision



*The latest information on Revision 3 of the UNECE 1958 Agreement can be found in the informal document **WP.29-162-10** and official document **ECE/TRANS/WP.29/2014/53**.*

***Thank you
for your kind attention !***