

# Basic Outline of the 1958 Agreement and International Whole Vehicle Type Approval (IWVTA)

The 55<sup>th</sup> Asia Expert Meeting in Myanmar

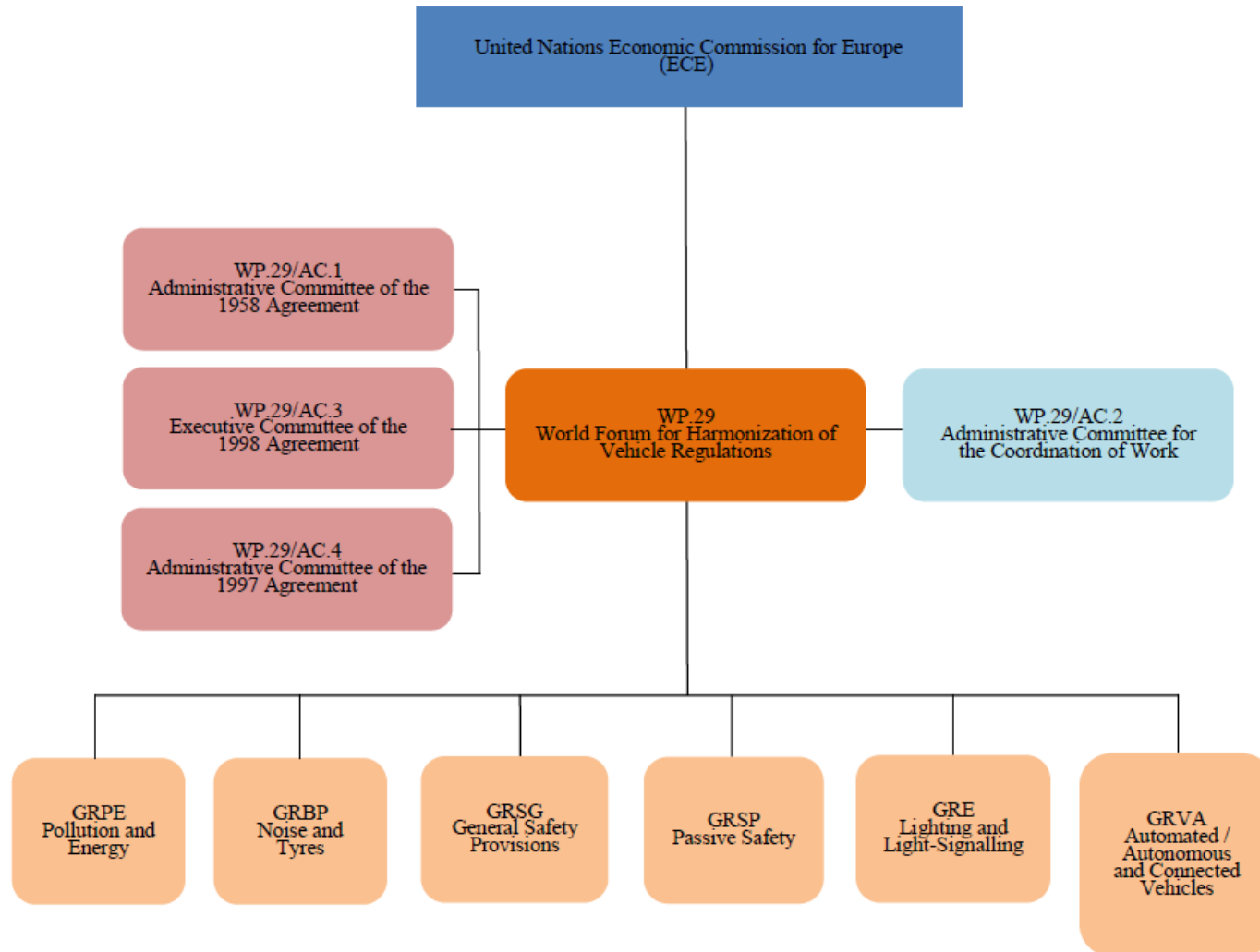
Date: February 22<sup>nd</sup>, 2019



**JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER**

1. Organization of WP29
2. Outline of 1958 Agreement
3. International Whole vehicle Type Approval(IWVTA)
  - (1). Overview of IWVTA
  - (2). Contents of draft UNR0
  - (3). Establishment and Evolution of IWVTA
  - (4). Conclusion

# 1. Organization of WP29



Legend:



New organization of WP29  
From September 2018

## **The World Forum WP.29 administers the following three UN Agreements:**

- (a) Agreement concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations (Revision 3). (The UN 1958 Agreement),
- (b) The agreement concerning the Establishing of Global Technical Regulations for Wheeled Vehicles, Equipment and Parts which can be fitted and/or be used on Wheeled Vehicles, of 1998 (The UN 1998 Agreement).
- (c) The agreement concerning the Adoption of Uniform Conditions for Periodical Technical Inspections of Wheeled Vehicles and the Reciprocal Recognition of such Inspections, of 1997. (The UN 1997 Agreement),

- ◆ The UN 1958 Agreement provides the legal and administrative framework for establishing international UN Regulations (annexed to the agreement) with uniform performance-based test provisions, administrative procedures for granting type approvals, for the conformity of production and for the mutual recognition of the type approvals granted by contracting parties.
- ◆ The 1958 Agreement has 52 contracting parties
- ◆ The last revision of the agreement (Revision 3) of the 1958 Agreement, entered into force on 14 September 2017.
- ◆ There are 147 UN Regulations annexed to the agreement. (October 2018)

### Main provisions of the 1958 Agreement

- ◆ The 1958 Agreement seeks to establish UN Regulations for wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles, and conditions for granting type approvals and their reciprocal recognition for use by contracting parties. With its Revision 3, the 1958 Agreement also seeks to establish an International Whole Vehicle Type Approval (IWVTA) system;
- ◆ New UN Regulations and amendments to existing UN Regulations are established by a vote of four-fifths majority of contracting parties present and voting;
- ◆ Contracting parties can decide not to apply the new UN Regulations and the amendments to existing ones;
- ◆ A contracting party that adopted any UN Regulation is allowed to grant type approvals for motor vehicle systems and parts covered by that UN Regulation and is required to accept type approvals granted by any other contracting party applying it;

# 2. Outline of 1958 Agreement

## Structure of Revision 3 of the 1958 Agreement

### Text of the 1958 Agreement

Appendix Composition and Rule of procedure of the Administrative committee

Annex(UN regulations) – addendum to 1958 agreement

No.0 IWVTA : Vehicle approval requirements (New UN Reg.)

No.1 Headlamps

⋮

No.145 ISOFIX anchorage systems, ISOFIX top tether anchorages and i-Size seating positions

SAPP(Schedule of Administrative and Procedural Provisions)

Schedule 1 Conformity of production procedures

Schedule 2 Part one: Assessment, designation and notification of technical services

Part two: Standards which the technical services, referred to in Part  
one of this Schedule, shall comply with

Part three: Procedure for the assessment of technical services

Schedule 3 Procedures for UN type approvals

Schedule 4 Numbering of UN type approvals

Schedule 5 Circulation of approval documentation

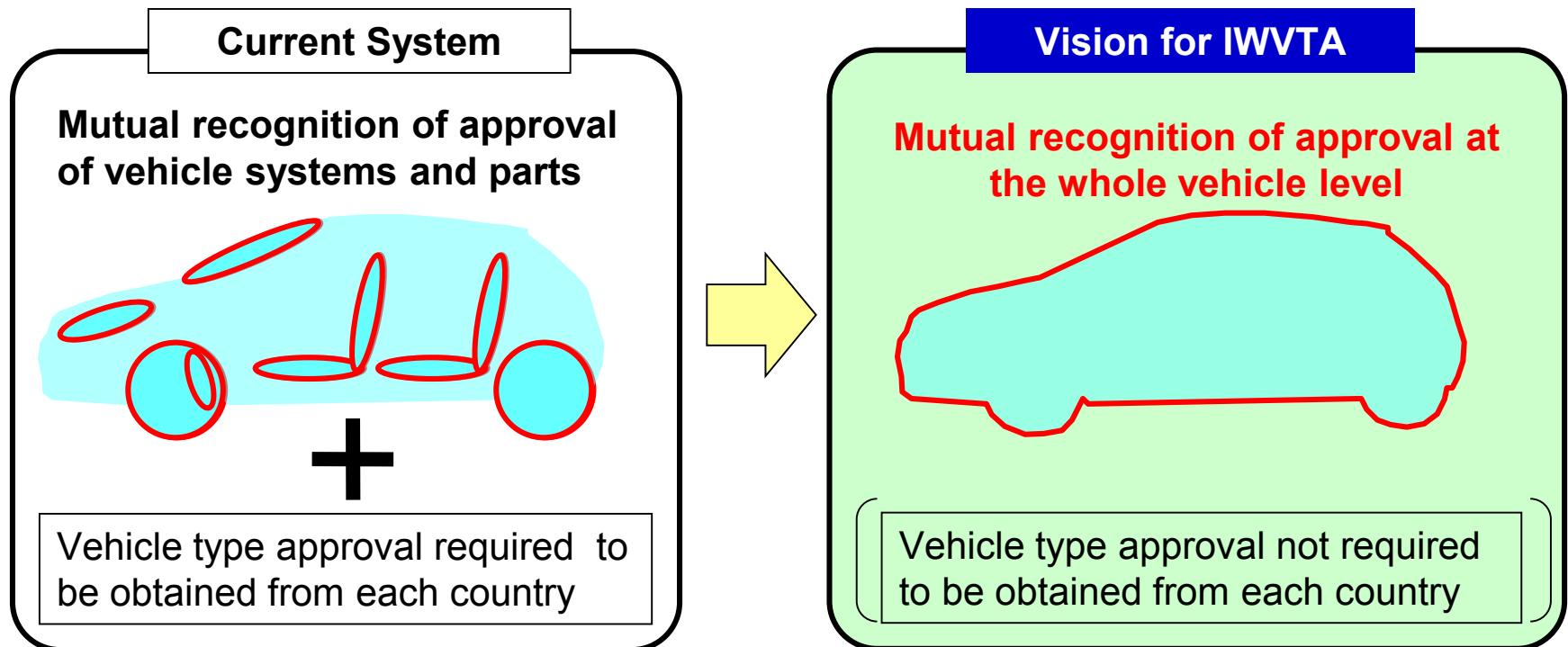
Schedule 6 Procedures for resolving interpretation issues in relation to the  
application of UN Regulations and granting approvals pursuant to  
these UN Regulations

Schedule 7 Procedure for exemption approvals concerning new technologies

Schedule 8 General conditions for virtual testing methods

## 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.





## 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.

## 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.

## 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 CPs, 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.

## Visualising our Approach

### Current situation in many Contracting Parties

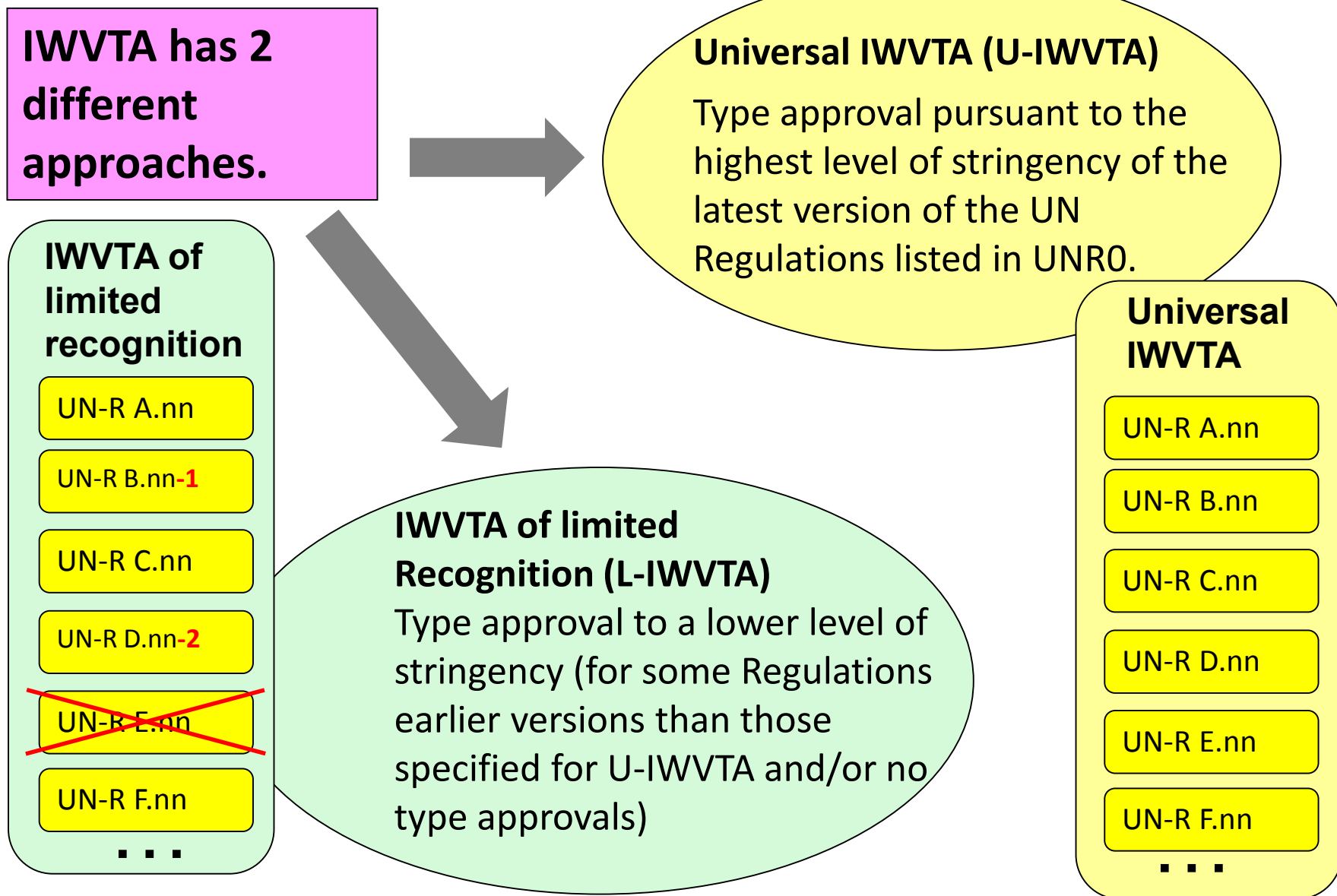


By mid 2018

IWVTA is a shell over a set of separate UN-approvals that flexibly links these UN-approvals with national approval schemes.



## What IWVTA comprises



## Obligation of CPs.

- 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.

## 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.”*

1. Scope
  2. Definitions
  3. Application for approval
  4. Approval
  5. Specifications
  6. Tests 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 Type Approval Authorities
  12. Introductory and transitional provisions
  13. Special provisions for Contracting Parties applying this Regulation
- Annex 1: Communication form
- Annex 2: Arrangement of the type approval marking
- 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: Specification of the IWVTA Declaration of Conformance (DOC)
- Annex 7: Definition of the IWVTA class and WVTA type
- Annex 8: Type approval number for IWVTA
- Annex 9: Notification if new requirements enter into force for an existing U-IWVTA



## 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

Number	Topic	UN-Regulation
14	External projections	26
15	Audible warning signals	28
16	Tyres	30
17	Rear fog lamps	38
18	The Speedometer equipment	39
19	Safety glazing	43
20	Built-in Restraining device for children	44
21	Headlamp cleaners	45
22	Devices for indirect vision including installation	46
23	Installation of lighting and light-signaling devices	48
24	Motor vehicles having at least four wheels with regard to their sound emissions	51

## Annex 4: UN Regulations applicable to IWVTA

Number	Topic	UN-Regulation
25	Tyres for commercial vehicles	54
26	Rear underrun protective devices	58
27	A temporary-use spare unit, run-flat tyres	64
28	Parking lamps	77
29	Steering equipment	79
30	Measurement of engine power	85
31	Daytime Running Lamps	87
32	Side marker lamps	91
33	Frontal collision	94
34	Lateral collision	95
35	Headlamps with gas-charge light sources	98

Number	Topic	UN-Regulation
36	Electric power train	100
37	Headlamps with filament lamps and/or LED modules	112
38	Tyre wet grip/Noise/RR	117
39	Cornering lamps	119
40	Hand controls and tell tales	121
41	Adaptive front-lighting systems	123
42	Forward field of vision	125
43	Pedestrian safety performance	127
44	Brake assist systems	139
45	Electronic stability control systems	140
46	Tyre pressure monitoring systems	141
47	Tyre installation	142

### 3. IWVTA (2). Contents of draft UNR0

#### UN Reg. requiring amendments before inclusion in Annex 4

Number	Topic	UN-Regulation	
1	Safety-belt anchorages	14/08	Expected to be approved at 173 <sup>rd</sup> WP.29 session in November, 2017.
2	Fuel tanks	34/03	Planned to be included in Annex 4 in November, 2018
3	Anti-theft/ immobilizer	116	R116 is split into three separate regulations, dealing respectively with “antitheft”, “alarm system” and “immobilizer” which are expected to be approved at 176 <sup>th</sup> WP.29 session in November, 2018.
4	Enhanced CRS	129	R44 would be eventually replaced by R129
5	WLTP; CO2/Exhaust Emissions	-	Task Force for transposition of GTR15 into new UN WLTP Regulation plans to submit draft UN WLTP Regulation to 78 <sup>th</sup> GRPE in January, 2019.

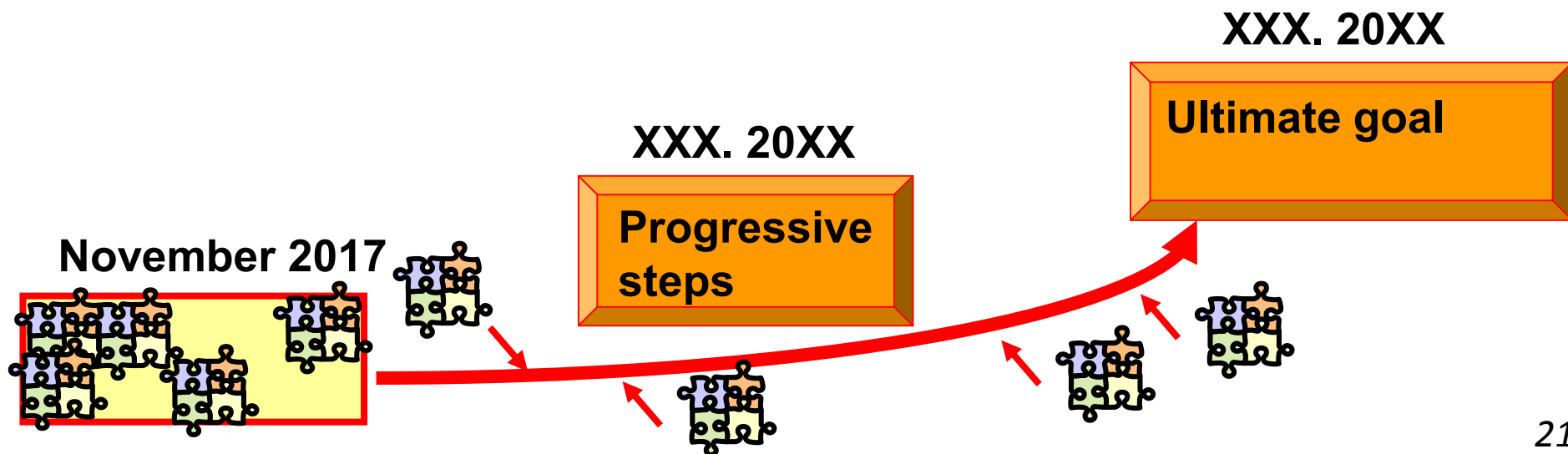
IWVTA IWG considers that these UN Regulations are significantly important for IWVTA and therefore need to be reviewed by GRs.

# 3. IWVTA (3). Establishment and Evolution of IWVTA

	2016	2017	2018	2019
58 Agreement Rev.3	2016/6 Agreed at WP29 ★	2017/9 Entry into force ★		
	★ —————→ ★ Legal procedure			
UNRO (IWVTA)		2017/11 Agreed at WP29 ★	2018/7 (Expected) Entry into force ★	2019/4 (Expected) As from 9 months after the date of entry into force of UN R0, CPs applying UN R0 shall accept an IWVTA issued.
		★ —————→ ★ ———→ Legal procedure		

### 3. IWVTA (3). Establishment and Evolution of IWVTA

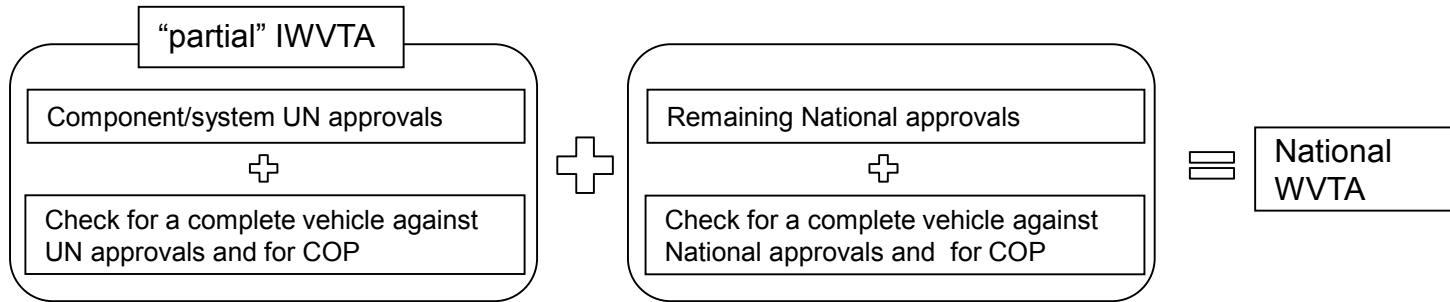
- The vision for IWVTA is the complete mutual recognition of vehicle type approvals - without any additional national requirements or additional approvals.
- To move forward the followings should be addressed after UN R0 is established at November 2017.
  - How to increase the number of applicable UN Regulations in Annex 4
  - How to reduce national requirements
  - How to extend the scope to include vehicles other than M1



# 3. IWVTA (3). Establishment and Evolution of IWVTA

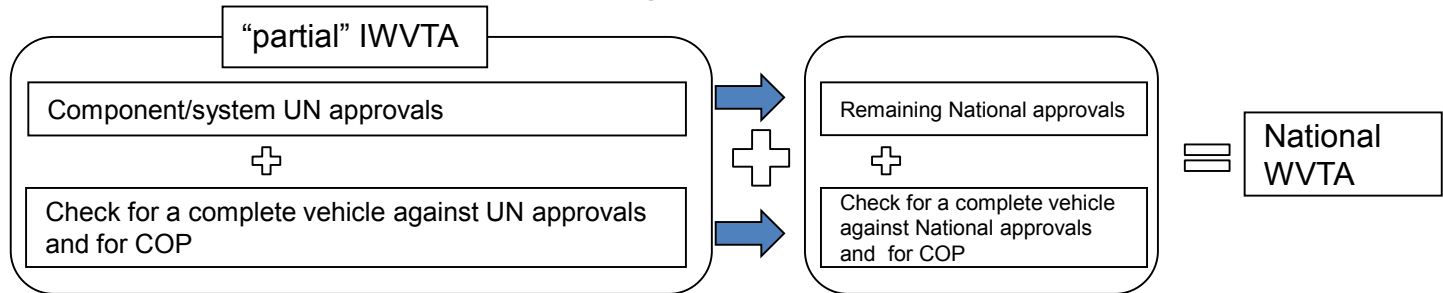
IWVTA sits over a limited subset of component/system UN approvals, as agreed by the CPs adopting IWVTA through R0

**Goal for  
November  
2017**

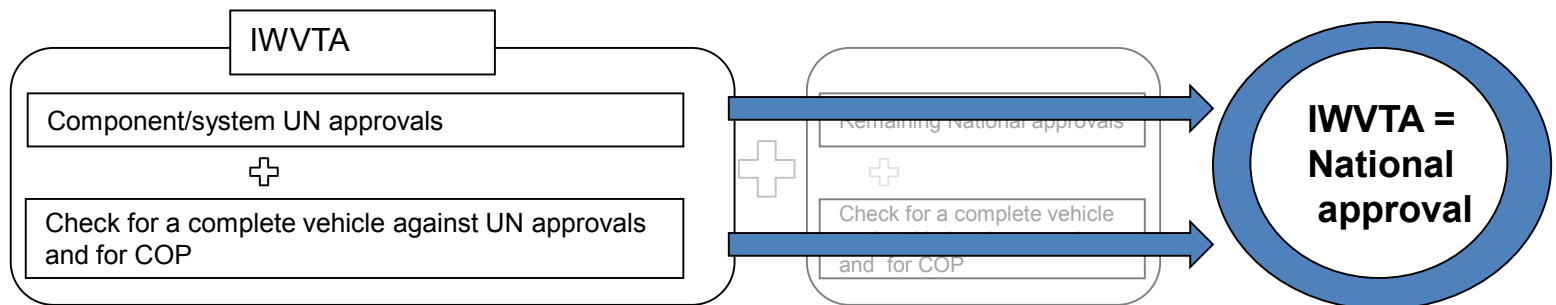


Increased scope of IWVTA, more UN approvals brought into R0, reduced need for national requirements

**After  
November  
2017**



**Ultimate Goal**



Thank you!