

***“Imagine World”* for all stakeholders** **Users/Governments/Vehicle Mfrs./ Part Mfrs.**

The 14th Public and Private Joint Forum in Asian Region
November 28-30, 2023



JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER



Chairperson ASEAN Sub-Committee
JAPIA Regulation and Certification System Committee
Tomoki KUWABARA

1. **Contribution to society**
2. **Review of JAPIA presentation in the Forum**
3. **Current status in Asia and JAPIA's prospects**
4. **Realization of "Imagine world"**
 - 4-1. **International Homologation Activity**
 - 4-2. **Standardized Homologation System**
 - 4-3. **International Standards**
5. **Beyond the 'Imagine World'**
6. **Future image of activity by JAPIA**

Automobile industry's mission

User Needs

- Convenience
- Comfort
- Safety



Sustainability



GOOD HEALTH
WELL-BEING



AFFORDABLE
CLEAN ENERGY



INDUSTRY
INNOVATION
INFRASTRUCTURE



SUSTAINABLE
CITIES AND
COMMUNITIES



CLIMATE
ACTION



**Contribution
to society
-Brilliant future-**

**JAPIA would like to contribute to achieving
the brilliant future as automobile industries.**

JAPIA has advocated “Imagine world”.

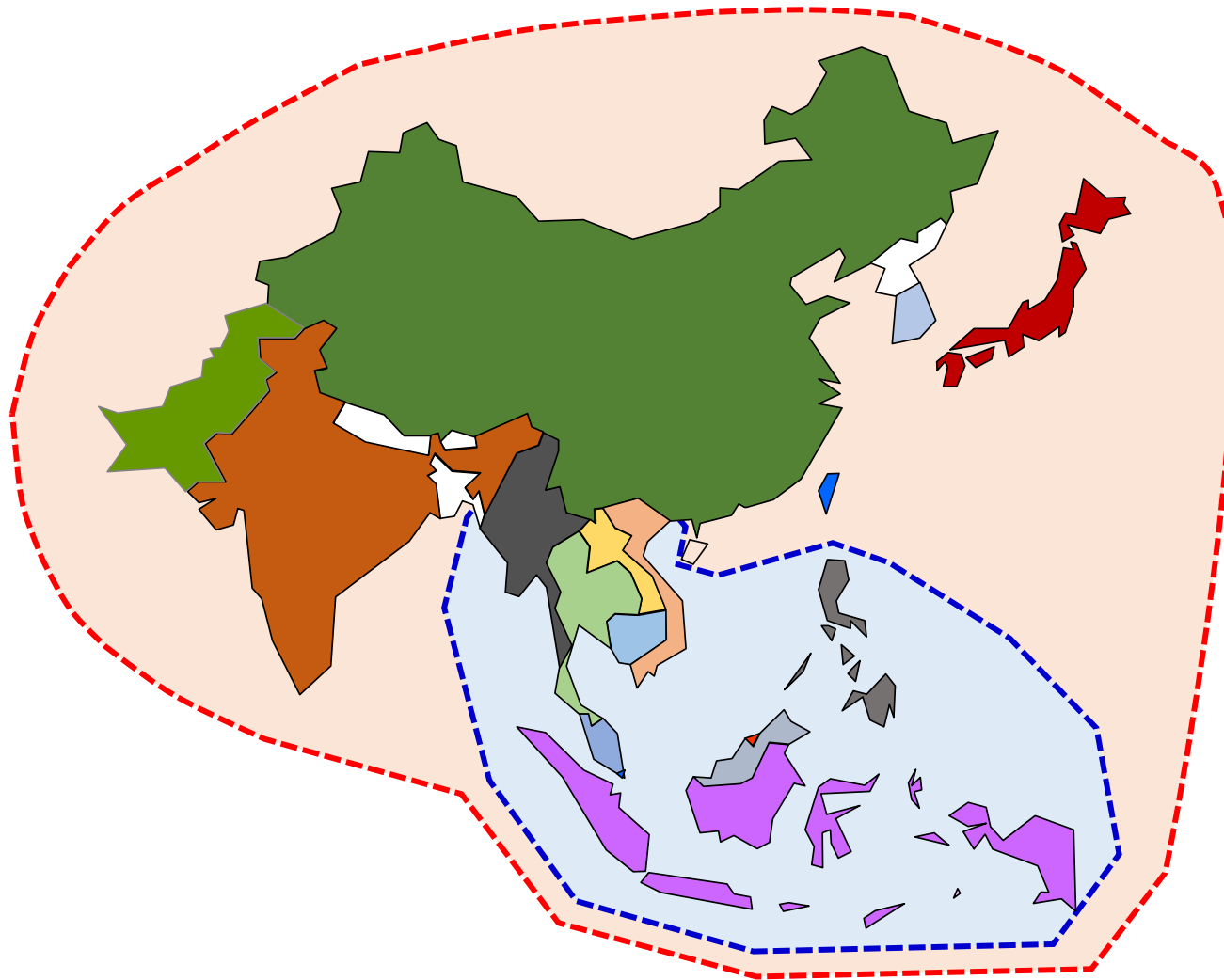
*Imagine no possessions
I wonder if you can
no need for greed or hunger
a brotherhood of man
Imagine all the people
sharing all the world...*

~John Lennon~



~Imagine world~

*you may say I'm a dreamer
but I'm not the only one
I hope someday you'll join us
and the world will be as one*



IWVTA ("Imagine world")

UNR certificate adoption

1958 Agreement

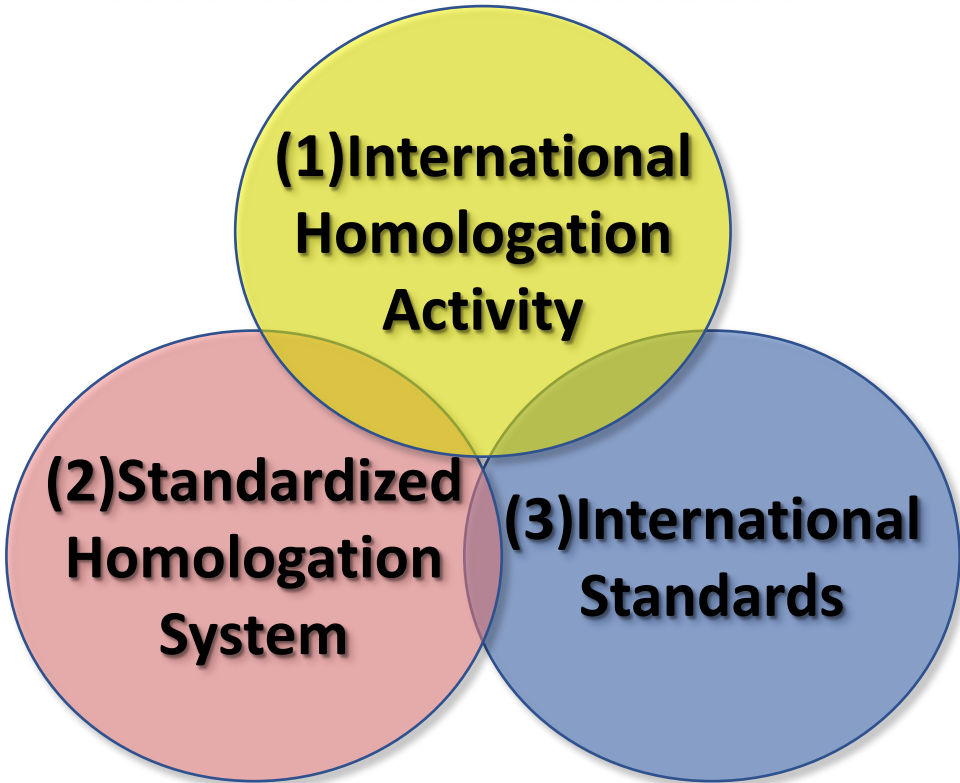
Certificate adoption

ASEAN MRA
will be implemented in 2024

ASEAN MRA is the important first step toward *"Imagine World"*
→ JAPIA is happy with this progress!

4. Realization of “Imagine world”

Imagine World



(1) International Homologation Activity

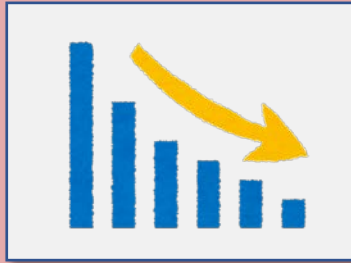
Discuss countries’ opinions on updating regulations to incorporate the latest technology



ex.WP.29-activity

(2) Standardized Homologation System

Reduces shipping costs and allows for smooth import and export of products



(3) International Standards

Uniform performance and quality on safety and the environmentally-friendly



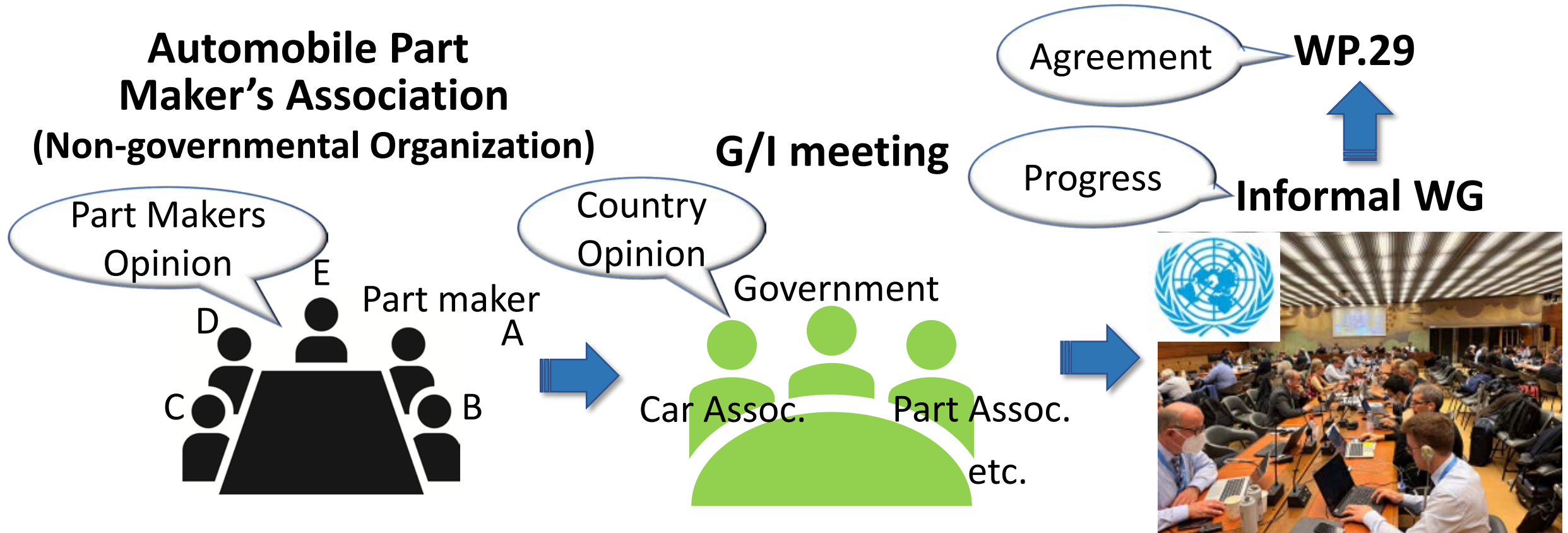
<https://www.mlit.go.jp/>

ex.UNR136

(2016 Amend 2023)

Imagine world can bring end users safer, more environmentally-friendly and more stable quality vehicles at an accessible price.

How industry approaches UN activities



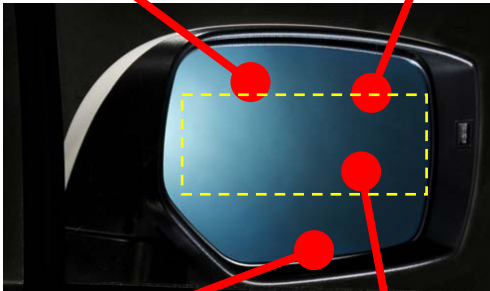
Industry can comment on international regulations by submitting its views to the WP.29 forum in cooperation with the country.

- Setting the approval type and selection samples under UNR-

Type defined by UNR46 (e.g. Mirror)

1) Fields of Vision
(Class III: Passenger car's side mirror)

3) Size of Reflecting Surface



2) Mirror Shape

4) Radius of Curvature

Selection of test samples

	A	B	C	D
Vision Class	III			
Mirror Shape	AA			DD
Size	160x40mm		170x40mm	160x40mm
Curvature	1270mm			
Type	AAA		CCC	DDD
Cover design	AX	BX	CX	AX
Test sample	○		○	○

Worst case

Industry can reduce development costs as exemption from repeated test **by the common rules of the sample selection.**

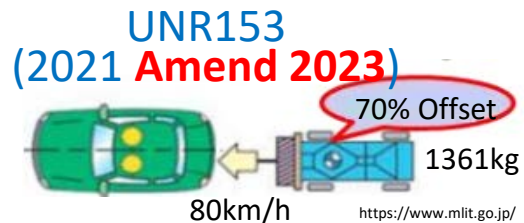
- Published UN Regulations for latest technology by UNECE -

More Environmentally-friendly

Electric Vehicle

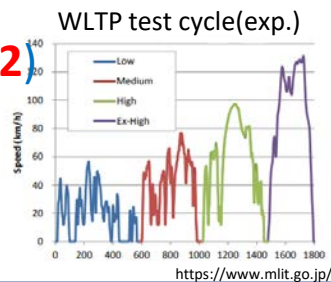


UNR100 (2013 Rev 2022) UNR136 (2016 Amend 2023)



Emission

UNR154 (2021 Rev 2022)



Safer device

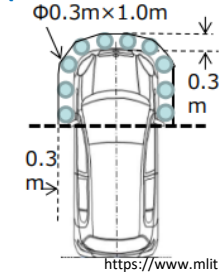
Vulnerable Road User Protection UNR165 (2023)



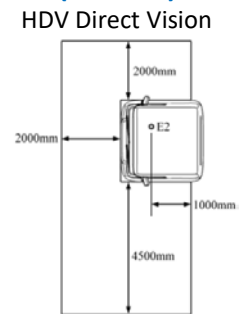
Autonomous driving



UNR166 (2023)



UNR167 (2023)



UNR157 (2021 Amend 2023)

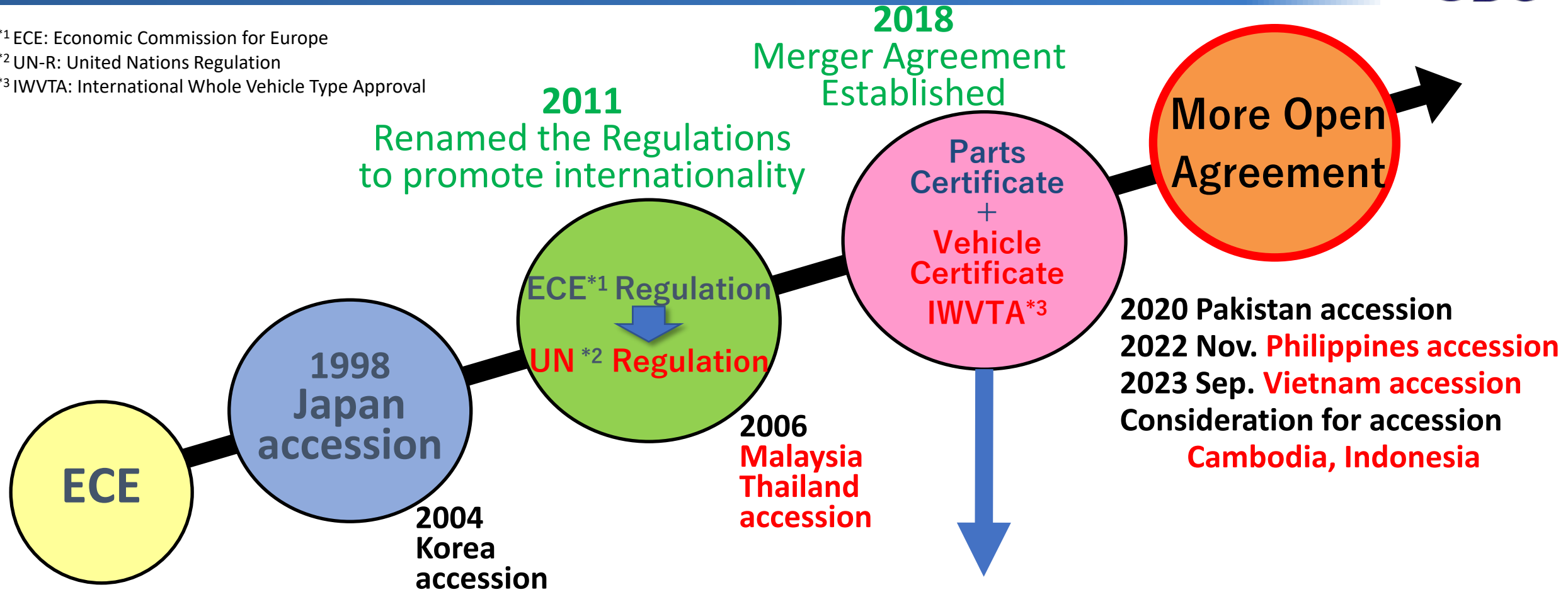


In recent years, Discussions and development on Regulation for new technologies have been accelerated at UNECE, for ECO Vehicle, Vulnerable Road User protection and Autonomous driving.

*1 ECE: Economic Commission for Europe

*2 UN-R: United Nations Regulation

*3 IWVTA: International Whole Vehicle Type Approval



- Harmonization of **international standards** (Unification of technical requirements)
- Mutual recognition of **certification** (Unification of certificates)
- Permitted the selection of UN-R old series
- Increased voting rights rate 2/3→4/5

Imagine world can bring end users **safer, more environmentally-friendly and more stable-quality vehicles at an accessible price.**



Imagine World



Safer vehicle

<https://www.rand.org/>



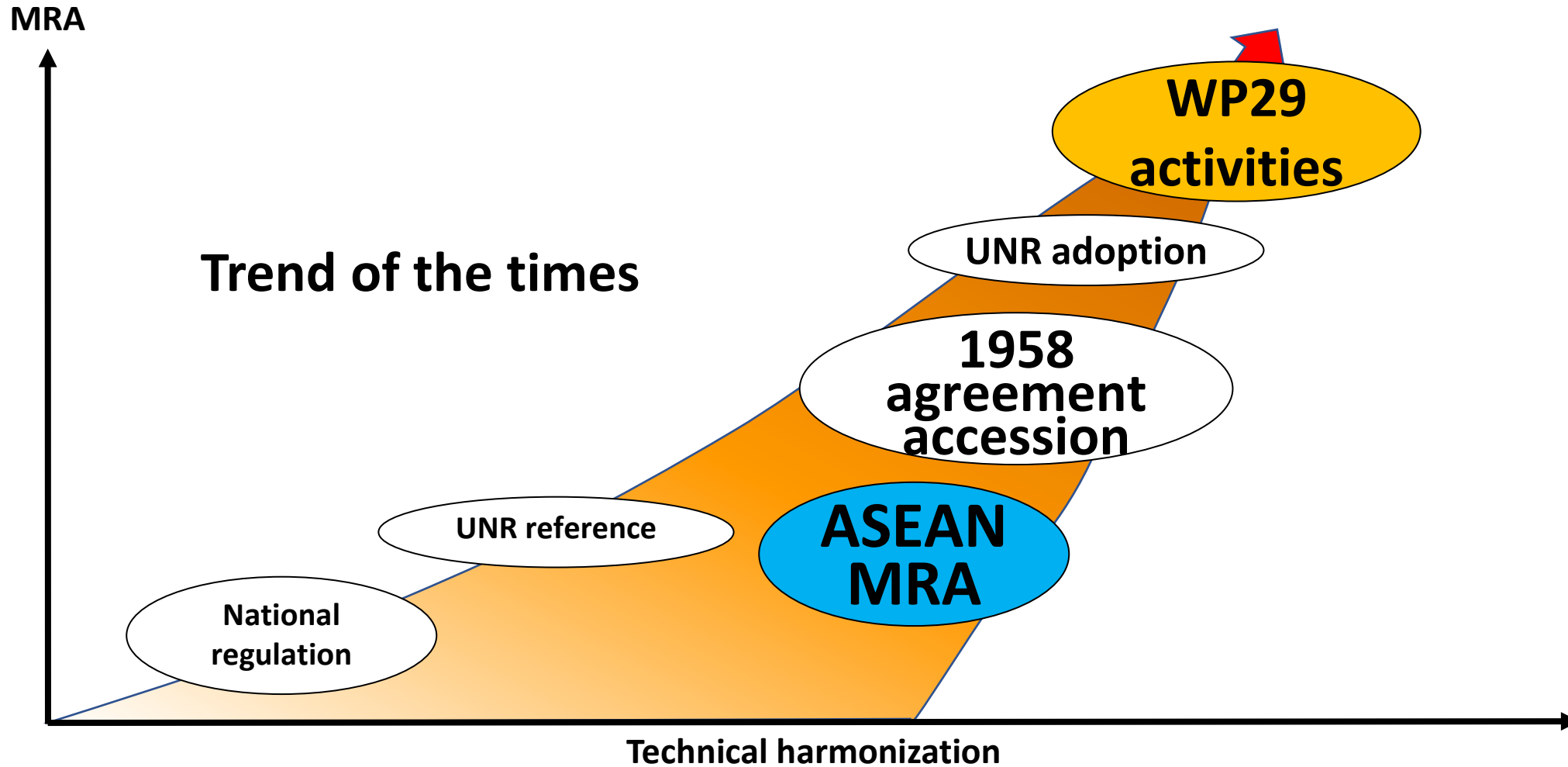
Accessible prices



More environmentally-friendly vehicle



-International MRA-



International MRA will bring you more merits!

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sharing all the world...*



Thank You for Your Attention

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