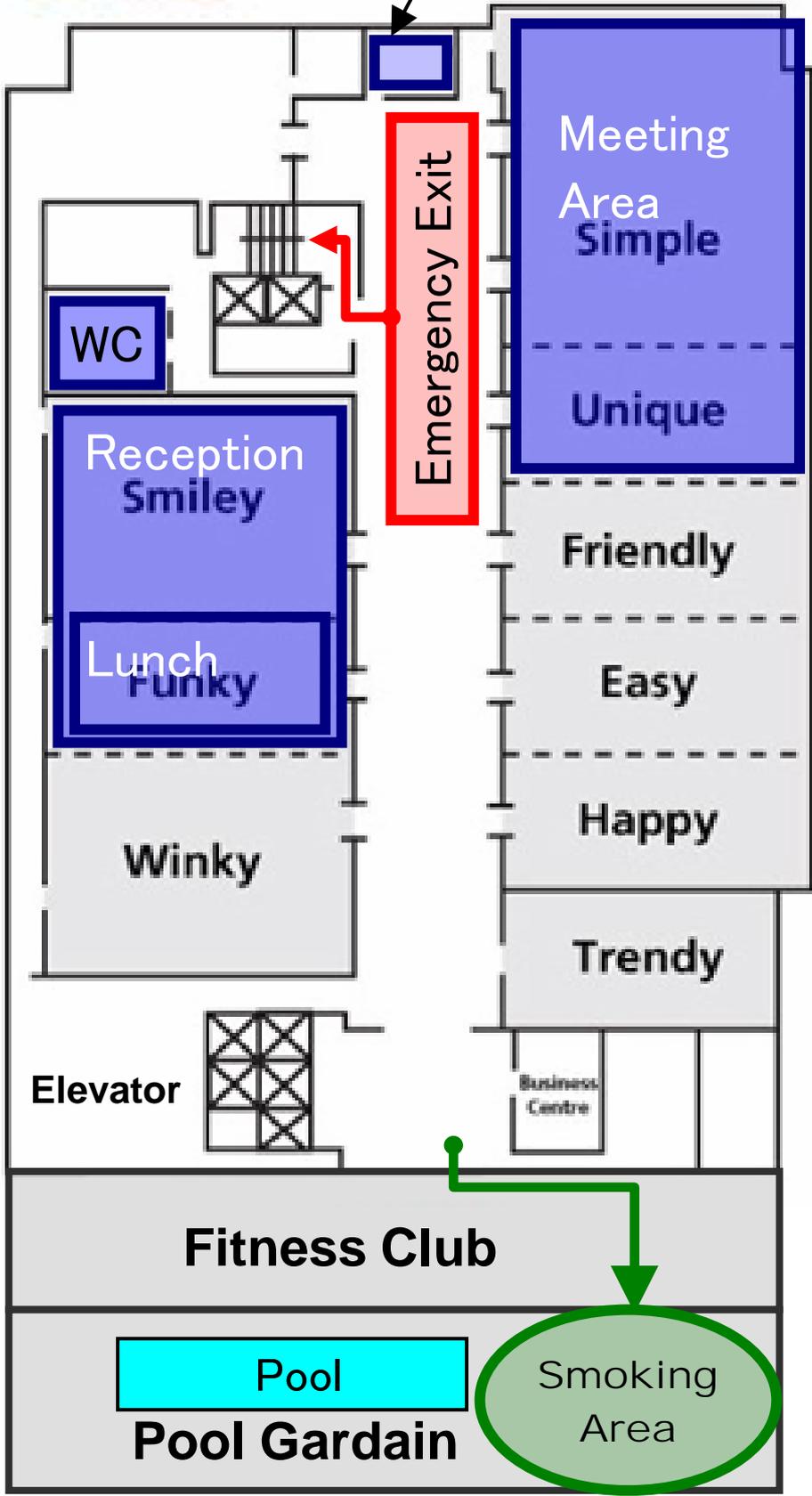


5th floor

Secretariat Room



WC

Reception  
Smiley

Lunch  
Funky

Winky

Elevator

Meeting  
Area  
Simple

Unique

Friendly

Easy

Happy

Trendy

Business  
Centre

Fitness Club

Pool

Pool Gardain

Smoking  
Area



# **The 2<sup>nd</sup> Public and Private Joint Forum in Asian region**

**- The 16<sup>th</sup> JASIC ASIA GOVERNMENT/ INDUSTRY MEETING -**

**Nov. 23 - 25, 2011  
Harris Hotel  
Jakarta, Indonesia**

**Hosted by**

**Ministry of Transportation (MOT), Indonesia**

**And**

**Japan Automobile Standards  
Internationalization Center (JASIC)**

**under the auspices of**

**Ministry of Land, Infrastructure, Transport and  
Tourism (MLIT), Japan**



# Meeting Schedule & Participants List



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# **The 2<sup>nd</sup> Public and Private Joint Forum in Asian region**

**- The 16<sup>th</sup> JASIC ASIA GOVERNMENT/ INDUSTRY MEETING -**

**Date: Nov. 23 - 25, 2011**

Place: Harris Hotel and Conventions Kelapa Gading Jakarta, Indonesia

Address: Sentra Kelapa Gading Jl. Bulevar Kelapa Gading Blok M,

Kelapa Gading, Jakarta 14240, Indonesia

Phone: (+62- 21) 4587 8200

Fax: (+62- 21) 4587 8333/ 4587 8222

Web site: <http://www.harris-kelapagading-jakarta.com>

Hosted by

**Ministry of Transportation (MOT), Indonesia**

and

**Japan Automobile Standards Internationalization Center (JASIC)**

**under the auspices of**

**Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan**

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## ***The 2<sup>nd</sup> Public and Private Joint Forum in Asian region***

**- Promoting the International Whole Vehicle Type Approval (IWVTA) concept under the UN Regulation framework for realizing harmonization of regulations and establishing Mutual Recognition of Approvals (MRA) in the Asian region -**

Date: Nov. 23 (Wed.) 2011, 8:30-17:30

Place: SIMPLE UNIQUE ROOM, 5F HARRIS Hotel

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Co-chaired by: Head of Road Transport Facilitation Sub directorate, Indonesia  
Mr. Takeshi Ishikawa  
Chairman, International Cooperation Committee, JASIC

**08:30 - 09:00 Registration of the Participants**

**09:00 - 09:10 Welcome Speech**

Director of Road Traffic and Transport, Indonesia

**09:10 - 09:20 Welcome Address from Industry**

Mr. Sudirman MR, Chairman of GAIKINDO (Gabungan Industri Kendaraan Bermotor Indonesia; The Association of Indonesia Automotive Industries)

**09:20 - 09:25 Opening Remark 1**

Mr. Takao Onoda Director of Road Transport Bureau, MLIT, Japan

**09:25 - 09:30 Opening Remark 2**

Mr. Yoshihiro Nanto Director General, JASIC

**09:30 - 09:45 Photography**

**09:45 - 10:15 Coffee Break**

**10:15 - 10:40 Keynote Speech-1**

Mr. Takao Onoda Director of Road Transport Bureau, MLIT, Japan

**10:40 - 11:05 Keynote Speech-2**

General Director of Directorate General Land Transportation (DGLT)

**11:05 - 11:30 Keynote Speech-3**

Representative of Mr. Isagani Creencia Erna, ASEAN Secretariat

**11:30 - 12:00 About the roadmap for 6<sup>th</sup> series**

Mr. Takeshi Ishikawa Chairman, International Cooperation Committee, JASIC

**12:00 - 13:30 Lunch Place: Funky Room**

**13:30 - 15:10 Debriefing session and discussion for WP29**

Mr. Ushio Ueno Executive Director, JASIC

**15:10 - 15:30 Coffee Break**

**15:30 - 17:30 Panel Discussion I :**

**Policy, Subjects and Action plan to promote the IWVTA concept under the UN Regulation framework for realizing harmonization of regulations and establishing MRA in the Asian region**

Coordinator: Mr. Michio Miyamoto (Japan)

Panelists: Mr. Takao Onoda (Japan), Section head of Vehicle Testing (Indonesia),

Ms. Jiraporn Kaewkraisorn (Thailand), Mr. Mohd Sharulnizam Bin Sarip (Malaysia),

Mr. K.K.Gandhi (SIAM Indea)

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**18:00 - 20:00 Welcome Reception hosted by MOT, Indonesia**

Place: Smiley Funky Room



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## ***The 2<sup>nd</sup> Public and Private Joint Forum in Asian region***

**- Promoting the International Whole Vehicle Type Approval (IWVTA) concept under the UN Regulation framework for realizing harmonization of regulations and establishing Mutual Recognition of Approvals (MRA) in the Asian region -**

Date: Nov. 24 (Tur) 2011, 9:00-17:00

Place: SIMPLE UNIQUE ROOM, 5F HARRIS Hotel

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Co-chaired by: Mr. Takao Onoda

Director for International Agreements Engineering Planning Division,  
Engineering and Safety Department, Road Transport Bureau,  
Ministry of Land Infrastructure, Transport and Tourism (MLIT), Japan  
Ministry of Land, Infrastructure, Transport and Tourism, Japan

**09:00 - 10:00**

### **Report-1: Governments and Industries**

**The report of the Intergovernmental Activities;** MLIT

**The report of the RACE meeting;** Representative of JAMA and GAIKINDO

**The report of the Parts industry Activity;** Mr. Hyodo, JAPIA

**10:00 - 10:30**

### **Coffee Break**

**10:30 - 10:45**

### **Report-2: Expert Meetings in 2011 and plan for 2012**

Mr. Hiroshi Morita Director, JASIC

**10:45 - 12:00**

### **Round Discussion:**

**Short presentation and speech on the develop the vehicle type approval systems in each Asian economy**

**12:00 - 13:30**

### **Lunch**

Place: Funky Room

**13:30 - 15:30**

### **Panel Discussion II :**

**Minimization of the unique subjects to promote the IWVTA concept under the UN Regulation framework for realizing harmonization of regulations and establishing MRA in ASEAN region**

Coordinator: Mr. Shigeo Yoshizawa (Japan)

Panelists: Mr. Takao Onoda (Japan), Section head of Vehicle Testing (Indonesia),

Ms. Jiraporn Kaewkraisorn (Thailand), Mr. Mohd Sharulnizam Bin Sarip (Malaysia),

Ms. Virginia Torres (Philippines), Mr. Nguyen Dong Phong (Vietnam)

**15:30 - 16:00**

### **Coffee Break**

**16:00 - 16:30**

### **Drafting Wrap Up**

**16:30 - 16:45**

### **Adoption of Wrap Up**

**16:45 - 17:00**

### **Closing Address**

Secretary of Directorate General Land Transport (DGLT), Indonesia

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**18:00 - 20:00**

### **Farewell Reception hosted by JASIC**

Place: Smiley Funky Room



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***The 2<sup>nd</sup> Public and Private Joint Forum in Asian region***

**- Technical Tour -**

Date: November 25 (Fri.) 2011  
Place: BTMP-BPPT  
(Center for Thermodynamics, Engines & Propulsion)  
Address: 230 Bld PUSPIPTEK  
Tangerang Selatan 15314, Banten, Indonesia  
Tel. (+62)(21) 756.0539; Fax. (+62)(21) 756.053  
HP URL: <http://www.btmp-bppt.net>

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**7:50            Gathering (at the Harris Hotel lobby)**

**8:00            Start from Harris Hotel**

**Travel**

**9:00            Arrive at BTMP**

**9:30 – 11:00    Introduction  
Visit to facility  
Demonstration**

**11:00 – 12:00    Q & A**

**12:00 - 13:00    Praying time and Lunch**

**13:30            Leave from BTMP**

**Travel**

**14:30            Back to the Harris Hotel**

**Breakup**

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**Japan Automobile Standards Internationalization Center**

3F, Shoei-Rokubancho Bldg., 6, Rokubancho,  
Chiyoda-ku, Tokyo 102-0085, JAPAN  
Tel:+81-3-5216-7241, Fax:+81-3-5216-7244



# The 2<sup>nd</sup> Public and Private Joint Forum in Asian region

- Day 1 -



## Opening remarks



# Welcome Speech

**Director  
Road Traffic and Transport, Indonesia**



## **Welcome Address from Industry**

**Mr. Sudirman MR,  
Chairman of GAIKINDO  
(Gabungan Industri Kendaraan Bermotor Indonesia  
;The Association of Indonesia Automotive Industries)**



## Opening remark 1

**Mr. Takao Onoda,  
Director, Engineering Policy Division,  
Road Transport Bureau,  
Ministry of Land Infrastructure, Transport and  
Tourism (MLIT), Japan**



## Opening remark 2

**Mr. Yoshihiro Nanto  
Director General,  
Japan Automobile Standards  
Internationalization Center (JASIC)**

## Opening Remarks from JASIC (for November 23, 2011)

Yoshihiro Nanto

Good morning. As just introduced, I am Yoshihiro Nanto, Director General of JASIC. On behalf of JASIC, first, I would like to express our sincere appreciation to Mr. Suroyo Alimoeso who is Director General for Land Transport of the Indonesian Ministry of Transport, and Mr. Sudirman MR who is Chairman of the Association of Indonesia Automotive Industries as well as the people of the offices of DGLT and GAIKINDO for organizing this 2<sup>nd</sup> Public and Private Joint Forum in Asia region under the cosponsorship of the Japanese government and the Indonesian government. I would also like to welcome all of you who are attending this meeting.

Let me start by thanking all Asian countries which supported Japan after the massive earthquake and tsunami in the Tohoku area in March. The earthquake and tsunami caused devastating damage to the automobile industry in that area, as well as shortages of parts in the Japanese auto industry in general as well as the auto industry overseas.

Now, after continuous heavy rains, Thailand is suffering from floods in the major auto industry area. We express our sincere condolences to Thailand and her people, and wish for a rapid recovery.

These examples show that due to globalization of the auto industry in many countries, a disaster may increasingly affect the supply of auto parts. But at the same time, we hope that the internationalization of automobile standards and certifications will help to maintain the security of the industry as a whole even in the case of a disaster, by continuing to supply common parts on a global basis.

At this point I would like to note that, although this meeting is the 2<sup>nd</sup> forum, it is also the 16<sup>th</sup> JASIC Asia Government/Industry Meeting and marks the 1<sup>st</sup> meeting of the 6<sup>th</sup> series on the theme: "Promoting the International Whole Vehicle Type Approval concept under the UN Regulation framework for realizing harmonization of regulations and establishing Mutual Recognition of Approvals in the Asian region."

I am grateful to the many government and private-sector representatives involved with automobile standards and approvals in various Asian economies who are participating in this discussion. This signifies the very high interest in your countries and regions in promoting the harmonization of automobile standards and achieving mutual approval. It also confirms the importance of cooperation between the government and private sector, which is another objective of these meetings.

Finally, I would like to close by expressing my wish that the good relations between you and JASIC will continue for many years. Thank you very much.



## Keynote Speech-1

**Mr. Takao Onoda,  
Director, Engineering Policy Division,  
Road Transport Bureau,  
Ministry of Land Infrastructure, Transport and  
Tourism (MLIT), Japan**



## Keynote Speech-2

**General Director  
Directorate General Land Transportation  
(DGLT), Indonesia**



## Keynote Speech-3

**Mr. Takao Onoda,  
Director, Engineering Policy Division,  
Road Transport Bureau,  
Ministry of Land Infrastructure, Transport and  
Tourism (MLIT), Japan**



## About the roadmap for 6th series

**Mr. Takeshi Ishikawa**

**Chairman**

**International cooperation Committee, JASIC**

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# Roadmap of the 6<sup>th</sup> Series

## Public and Private Joint Forum in Asian region

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Takeshi Ishikawa  
Chairman, International Cooperation Committee



**Japan Automobile Standards Internationalization Center**  
**<http://www.jasic.org>**

# The 6<sup>th</sup> Series



- New Theme:
  - Promotion of the International Whole Vehicle Type Approval (IWVTA) concept under the UN Regulation framework for realizing harmonization of regulations and establishing Mutual Recognition of Approvals (MRA) in the region
  
- Period:
  - 5 years from 2011 to 2015

# The 6<sup>th</sup> Series



## ■ Objectives

- ① To establish a cooperation system for further international harmonization activities so that each Asian economy understands the WP29 activities and the merits of accession to the 1958 Agreement through the Public and Private Joint Forum.
- ② To coordinate and communicate integrated Asian voice to WP29 for development of the IWVTA and technical regulations.
- ③ To promote understanding on the IWVTA concept for development of the regional common Whole Vehicle Type Approvals system through the ASEAN MRA activities.

# Roadmap of the 6<sup>th</sup> Series



## ■ Objectives

- ① To establish a cooperation system for further international harmonization activities so that each Asian economy understands the WP29 activities and the merits of accession to the 1958 Agreement through the Public and Private Joint Forum.

Proposal 【Measures】	Fiscal Year (Apr. ~ Mar.)				
	2011	2012	2013	2014	2015
<p>Establish a new function of public and private joint forum led by each Asian economy's government/industry organizations</p> <ul style="list-style-type: none"> <li>■ Establish a framework that enables us to share the Asian fundamental policy</li> <li>■ Establish a cooperative network that enable the unification of Asian economy's opinion</li> <li>■ With the expansion of contracting parties of 1958 Agreement in the region, establish a task force for discussion of common issues on harmonization of regulations and certification system</li> </ul>	Preparation step for membership		Step of participation and the expansion of adoption		Step of subjective participation for WP29
	Agree on the Roadmap	Establish a framework for discussion on fundamental policies	Consider cooperative network vision (vision of a new Public and private joint forum)		Establish a framework for discussion on fundamental policies
	Encourage non-58 agreement member country to participate in WP29				
	Technical understanding activities by expert meeting				

# Roadmap of the 6<sup>th</sup> Series



## ■ Objectives

- ② To coordinate and communicate integrated Asian voice to WP29 for development of the IWVTA and technical regulations.

Proposal 【Measures】	Fiscal Year (Apr. ~ Mar.)				
	2011	2012	2013	2014	2015
<ul style="list-style-type: none"> <li>■ Ideal revision on current 58 agreement for the sake of Asian economy's positive participation to refer better proposal into WP29 and reflect the Asian opinion for WP29 as necessary</li> <li>■ Consideration of Ideal IWVTA so that Asian economy can make positive adoption and reflect the Asian opinion for WP29 as necessary</li> <li>■ In response to the current technology level, consider the requirement and the technology level suitable for Asian economies and reflect the Asian opinion for WP29 as necessary</li> <li>■ Discuss about "Advanced technology" related to the future technical regulations</li> </ul>	<p>Understanding of Agreement, Technical regulations, Type approval system</p> <p>Agree on the Roadmap</p>	<p>Consolidate Asian economy's issues</p> <p>Consider the issues which were discovered during "Reflection for WP29" activities</p>	<p>Step of accession and the expansion of adoption</p>	<p>Step of subjective participation for WP29</p>	<p>Create /submit Asian cooperative proposals to WP29</p>

# Roadmap of the 6<sup>th</sup> Series



## ■ Objectives

- ③ To promote understanding on the IWVTA concept for development of the regional common Whole Vehicle Type Approvals system through the ASEAN MRA activities.

Proposal 【Measures】	Fiscal Year (Apr. ~ Mar.)				
	2011	2012	2013	2014	2015
<ul style="list-style-type: none"> <li>■ Consideration of harmonized vehicle type approval system suitable for ASEAN                             <ul style="list-style-type: none"> <li>□ Understanding of IWVTA concept</li> <li>□ According to IWVTA and suitable for ASEAN, consideration of;                                     <ul style="list-style-type: none"> <li>■ Vehicle type, category, etc.</li> <li>■ Applicable regulation items</li> <li>■ Requirement and technology level</li> <li>■ Step by step consideration of expansion of required items</li> </ul> </li> <li>□ Consideration of minimization with unique requirements</li> </ul> </li> </ul>	<p>Understanding of IWVTA concept, summary of ASEAN issue</p> <p>Agree on the Roadmap</p>	<p>Consolidate Asian economy's issues</p>	<p>Step of vision of harmonized vehicle type approval system</p> <p>Consider the issues which were discovered during "Consideration of ASEAN harmonized vehicle type approval system"</p>	<p>Formulation and proposal</p> <p>Formulate ASEAN harmonized vehicle type approval system</p>	

Thank you for your kind attention



# Debriefing session and discussion for WP29

**Mr. Ushio Ueno  
Executive Director,  
Japan Automobile Standards  
Internationalization Center (JASIC)**

# Public and Private Joint Forum

## WP29 Activities and Recent topic

23 November, 2011



**JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER**  
<http://www.jasic.org>

# WP29 Activities

# Outline of WP29

## ◆ Established in June 1952

“Working party of experts on technical requirement of vehicle “

## ◆ In 2000 WP29 became the “World Forum for Harmonization of Vehicle Regulations”

## ◆ Main provisions

- \*Increase vehicle’s safety

- \*Remove trade barriers through mutual recognition

## ◆ Aimed activities

- \*Improving vehicle safety

- \*Protection of the environment

- \*Promoting energy efficiency

- \*Anti-theft performance

# **TERMS OF REFERENCE**

**Initiate and pursue actions aiming at the harmonization or development of technical regulations or amendments to such regulations**

**-Foster the reciprocal recognition of approvals, certificates and periodical technical inspections among Contracting Parties**

**-Serve as the specialized technical body for the relevant Agreements established under the auspices of UN-ECE**

**-Foster world-wide participation in its activities by encouraging cooperation and collaboration with countries not yet participating in WP.29 activities**

**-Encourage all its participants to apply or adopt into their law world-wide harmonized technical regulations**

# UN Organization



**UN / General Assembly**

**ECOSOC**  
Economic and Social Council

**ECE**

Economic Commission for Europe

**ESCAP**

E. C. for Asia & the Pacific

**ITC**

Inland Transport Committee

**WP29**

World Forum for Harmonization of Vehicle Regulations

**AC1,AC2**

**AC3,AC4**

**G R B**

**GRPE**

**G R E**

**GRRF**

**GRSG**

**GRSP**

# **Administrative committee for each Agreement**

## **Administrative Committee of the 1958 Agreement (WP.29/AC.1)**

**Voting system: Two-thirds majority**

**Activity: Establish and develop UN Regulation**

## **Executive Committee of the 1998 Agreement (WP.29/AC.3)**

**Voting system: unanimous agreement**

**Activity: Establish and develop UN GTR (global technical regulation)**

## **Administrative Committee of the 1997 Agreement (WP.29/AC.4)**

**Voting system: Two-thirds majority**

**Activity: Establish and develop UN Rule**

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## **Administrative Committee for the coordination of work (WP.29/AC.2)**

**The coordination of work of WP29 is managed by a small Steering committee**

**Members: Chairman and Vice chairman of WP29 and GRs, EC, Japan, US**

# Agenda of WP29

## A. World forum for harmonization of Vehicle regulations (WP29)

### 1. Report of the WP29/AC2

### 2. Intelligent Transport systems

### 3. Consideration of the reports of the working parties (GRs) subsidiary to WP29

### 4. 1958 Agreement

- ⊕ Guidance requested by Working parties on matters related to UN regulations
- ⊕ Development of IWVTA
- ⊕ Proposal for guidelines on the scope, administrative provisions and alternative requirement in UN regulations
- ⊕ Development of DETA
- ⊕ Consideration of draft amendments to existing regulations submitted by each GRs
- ⊕ Consideration of draft corrigendum to existing regulations submitted by each GRs

### 5. 1998 Agreement

- ⊕ Status of the Agreement
- ⊕ Consideration of draft UN GTRs and draft amendments to established UN GTR
- ⊕ Consideration of technical regulations to be listed in the compendium of candidate
- ⊕ Guidance requested by Working parties on matters related to UN GTR

### 6. Exchange of views on national/regional rulemaking procedures and implementation of established regulations and / or UN GTR into national /regional law

### 7. 1997 Agreement

### 8. Other business

- ⊕ Recall system
- ⊕ Environmentally friendly vehicles(EFV)
- ⊕ 1968 Vienna convention
- ⊕ Revision of the publication
- ⊕ Proposal for RE3

## **B. Administrative committee of the 1958 Agreement (AC1)**

- ⊕ Proposal for amendments and corrigenda to existing regulations and for new regulations
  - ➡ Voting by AC1

## **C. Executive committee of the 1998 Agreement (AC3)**

- ⊕ Proposal for amendments and corrigenda to existing regulations and for new regulations
  - ➡ Voting by AC3
- ⊕ Progress on the development of new GTR and amendment to established GTR
- ⊕ Items on which the exchange of view and data should continue or begin
- ⊕ New priorities to be included in the programme of work

## **D. Administrative committee of the 1997 Agreement (AC4)**

# Contracting Parties

## 1958 Agreement (51)

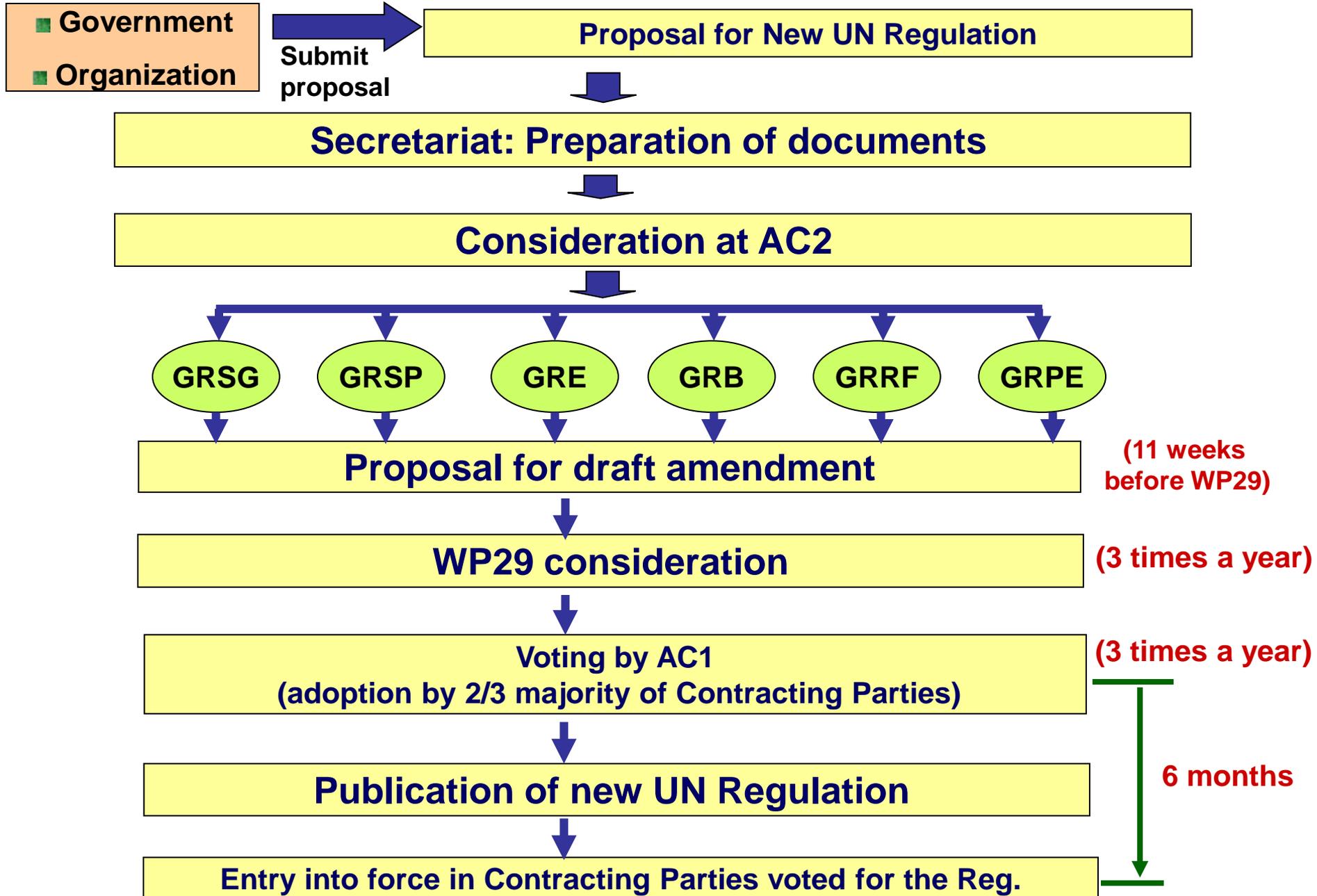
Germany, France, Italy, Netherlands, Sweden, Belgium, Hungary, Czech Republic, Spain, Serbia, United Kingdom, Austria, Luxembourg, Switzerland, Norway, Finland, Denmark, Romania, Poland, Portugal, Russian Federation, Greece, Ireland, Slovenia, Slovakia, Belarus, Estonia, Bosnia and Herzegovina, Latvia, Bulgaria, Kazakhstan, Lithuania, Turkey, Azerbaijan, The former Yugoslav Republic of Macedonia, European Union, Japan, Australia, Ukraine, South Africa, New Zealand, Cyprus, Malta, Republic of Korea, Malaysia, Thailand, Montenegro, Tunisia, Kazakhstan, Albania

Accession in 2011

## 1998 Agreement (28)

USA, Canada, Japan, France, United Kingdom, EU, Germany, Russian Federation, China, Korea, Italy, South Africa, Finland, Hungary, Turkey, Slovakia, New Zealand, Netherlands, Spain, Azerbaijan, Romania, Sweden, Norway, Cyprus, Malta, Malaysia, Tunisia, Kazakhstan, Australia

# The process of developing New UN Regulations



# The process of developing amendment UN Regulations

- Government
- Organization



**Proposal for an amendment to UN Regulation**

**Secretariat: Preparation of documents**

**GRSG**

**GRSP**

**GRE**

**GRB**

**GRRF**

**GRPE**

**Proposal for draft amendment**

(11 weeks before WP29)

**WP29 consideration**

(3 times a year)

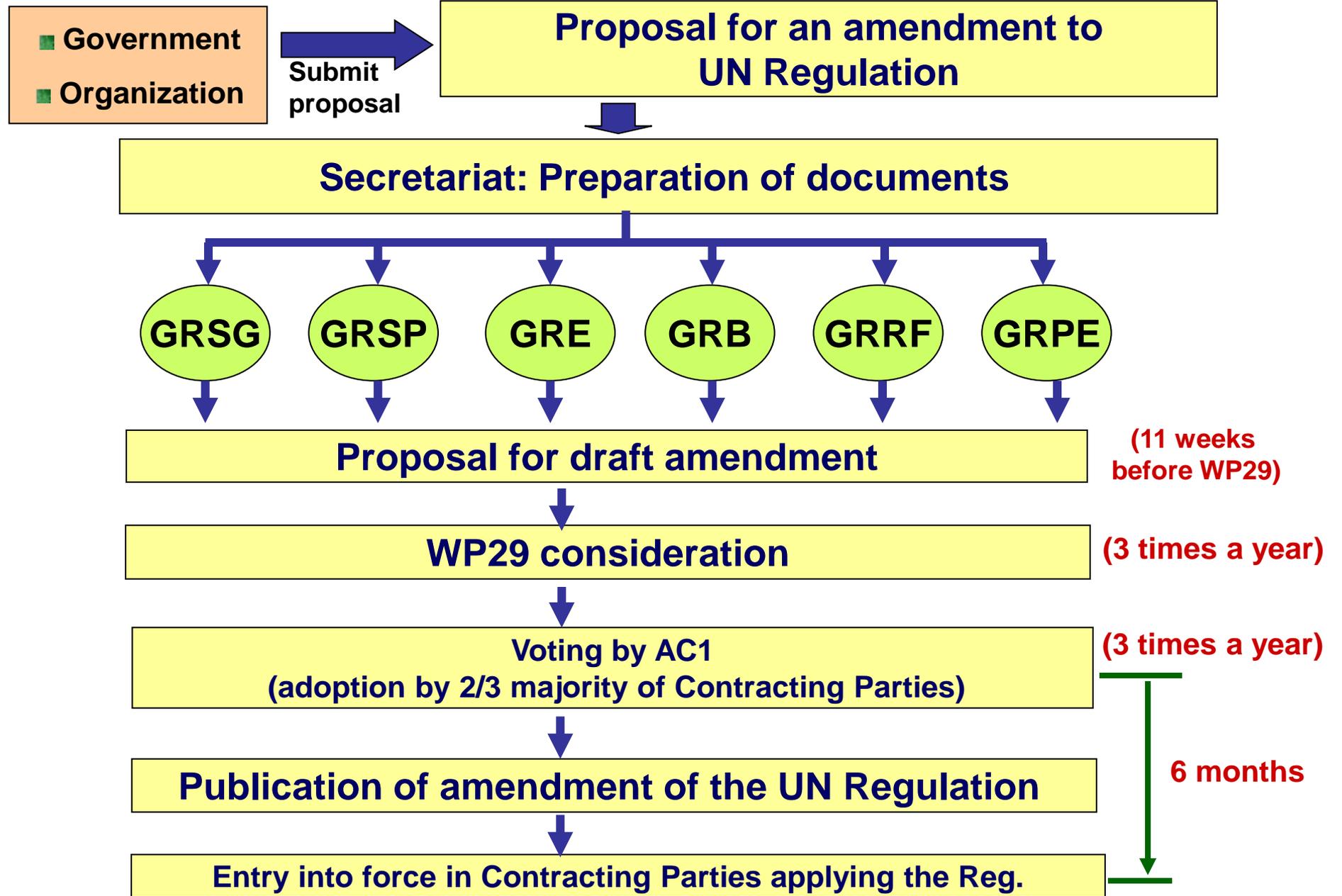
**Voting by AC1**  
(adoption by 2/3 majority of Contracting Parties)

(3 times a year)

**Publication of amendment of the UN Regulation**

6 months

**Entry into force in Contracting Parties applying the Reg.**



# 154<sup>th</sup> WP29 session

**DATE** 21 - 24 June, 2011

**Chairman** Mr. B. Kisulenko (Russian federation )

**Vice Chairman :** Mr. B. Gauvin (France )

## List of participants

### Government :

**Australia; Belarus; Belgium; Bosnia and Herzegovina; Canada; China; Czech Republic; Estonia; Finland; France; Germany; Hungary; India; Italy, Japan; Latvia; Luxembourg; Netherlands; Norway; Poland; Portugal; Korea; Romania; Russian Federation; Serbia; Slovakia; Slovenia; South Africa; Spain; Switzerland; Thailand; Ukraine; UK; US; EU**

### Non Government :

**ISO, AIT/FIA, OICA, IMMA, CLEPA, ETRTO, AMA, CITA etc.**

## Recent GR's Sessions

### **GRE(65<sup>th</sup> Lighting and light-signalling, 28-31 March 2011)**

- ◆ GRE agreed on a new series of amendments requiring mandatory installation of automatic headlamp levelling systems on all M and N vehicles. GRE also agreed on a 90 month transitional provisions.
- ◆ Chairman of GRE reported progress information for DETA informal group. This informal group discussed new marking system by database system.

### **GRSG(100<sup>th</sup> General safety, 11-15 April 2011)**

- ◆ GRSG reported that SDWEE informal group had completed work.
- ◆ GRSG adopted new UN gtr of control tell-tale for motor cycle.

### **GRRF(70<sup>th</sup> Brakes and running gear, 12-13 May 2011)**

- ◆ Special GRRF meeting was held for AEBS
- ◆ GRRF agreed to send, for consideration by WP.29 at its November 2011 session, a proposal for a UN Regulation on AEBS in two steps: collision mitigation braking systems (step 1) and draft 01 series of amendments to this new UN Regulation dealing with collision avoidance systems (step 2).

## Recent GR's Sessions

### **GRSP(49<sup>th</sup> Passive safety, 16-20 May 2011)**

- ◆ GRSP agreed on a new informal group for the Flex-PLI in phase 2 of the UN GTR No.9 and in the draft new UN Regulations on pedestrian safety.
- ◆ GRSP adopted the terms of reference of the informal group on RESS.

### **GRPE (62<sup>nd</sup> Pollution and Energy, 6-10 June 2011)**

- ◆ OICA reported the proposal of specification for fuel quality.
- ◆ The current results only constitute a first step and that further review of the fuel performance would be conducted in a later phase.
- ◆ With regard to the informal groups on Mobile Air Conditioning Test Procedure (MACTP) and on Gaseous Fuelled Vehicles (GFV), GRPE agreed to seek the consent of WP.29 to extend the mandate of both informal groups for an additional 3 years period until the sixty-eighth GRPE session (June 2014). WP.29 endorsed that request.

# The 1958 Agreement

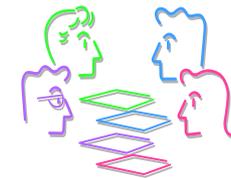
## The result of the voting – draft amendments to existing regulations

Reg. No.	Subject of the Regulation	Document; ECE/TRANS/WP.29/....	Document status
10	Electromagnetic compatibility	2011/83	Corr.1 to 04
12	Steering mechanism	2011/66	Corr.1 to 04
13	Heavy vehicle braking	2011/58	Suppl.8 to 11
13-H	Brakes of M <sub>1</sub> and N <sub>1</sub> vehicles	2011/59	Suppl.13
13-H	Brakes of M <sub>1</sub> and N <sub>1</sub> vehicles	2011/72	Corr.1 to Suppl.9
14	Safety-belt anchorages	2011/54 as amended by para. 49	Suppl.2 to 07
14	Safety-belt anchorages	2011/67	Corr.1 to Rev.4
16	Safety-belts	2011/68	Corr.2 to Rev.6
41	Noise emissions of motorcycles	2011/62 as amended by para. 53	04
51	Noise of M and N categories of vehicles	2011/63	Suppl.8 to 02
54	Tyres for commercial vehicles	2011/73	Corr.2 to Rev.2
55	Mechanical couplings	2011/60 and Corr.1	Suppl.3 to 01
59	Replacement silencing systems	2011/65	01
64	Temporary use spare unit, run flat tyres, TPMS	2011/61	Suppl.1 to 02
75	Tyres for motorcycles/mopeds	2011/74	Corr.1 to Rev.2
83	Emissions of M <sub>1</sub> and N <sub>1</sub> vehicles	2011/56	Suppl.2 to 06
94	Frontal impact	2011/55	Suppl.1 to 02
94	Frontal impact	2011/69	Corr.1 to 02
95	Lateral collision	2011/70	Corr.1 to 03
115	LPG and CNG retrofit systems	2011/71	Corr.1 to Suppl.4
117	rolling resistance, rolling noise and wet grip	2011/75	Corr.2 to 02
117	rolling resistance, rolling noise and wet grip	2011/76	Corr.3 to 02
120	Net power of tractors and NRMM	2011/57	Suppl.1

 Candidate of UN Regulations for ASEAN MRA.



**Need to follow situation of UN Regulations.**



# Other Business

## Intelligent transport system (ITS)

- Adopted the guidelines on establishing requirements for high-priority warning signals.
- UN Secretary distribute it as an annex to the report of 154<sup>th</sup> session.

## New terms

Old terms	New terms
UN ECE Regulation	UN Regulations
gtr	UN Global Technical Regulations (UN GTR)
Rule	UN Rule

## Guideline on the scope , administrative provisions and alternative requirements in Regulations annexed to the 1958 agreement

- WP29 considered revision of WP29/1044. UN Secretary submitted TRANS/WP29/2011/48.
- EU prepare comment for 2011/48 at November 2011.
- Further amendments linked to the revision of the 1958 Agreement.



**This document is important for IWVTA and structure for UN regulation.  
Please consider in each country.**

# 1998 Agreement

## Consideration and Vote in AC3

Chairman :Mr. Onoda from JAPAN

### - Vote

- ◆ Amendment 2 to UN GTR No.2
- ◆ Corrigendum 2 to UN GTR No.2
- ◆ Corrigendum 2 to UN GTR No.8
- ◆ Corrigendum 1 to UN GTR No.11

### - Progress in the Development of New or Amending GTRs

#### Pedestrian Safety(GTR No. 9)

- ◆ Establishment new informal group for phase 2 of pedestrian safety.  
Chairman : Germany  
Vice chairman: Japan  
Technical sponsor: Germany and Japan  
Secretary : OICA

#### Head Restraints(GTR No.7)

- ◆ Regarding to IG on Phase 2 of GTR No. 7, introduced a proposal for amending the terms of reference and the second progress report of the informal group
  - ◆ Focus on dynamic test to mitigate both short and long-term whiplash injuries
  - ◆ GTR proposal was scheduled for adoption by AC.3 in June 2013, pending the finalization of injury criteria

## Door-locks and door retention components (GTR No.1)

- ◆ Draft amendments to the GTR would probably be finalized at the December 2011 session of GRSP

## WHDC(GTR No.4)

- ◆ Agreed development of new test procedures for Heavy Duty Hybrids (HDH) on the emissions of pollutants and CO<sub>2</sub>  
Technical sponsor : EU, Japan

## Hydrogen and fuel cell vehicles(HFCV)

- ◆ Draft GTR would be considered and voted at its June 2012 session.

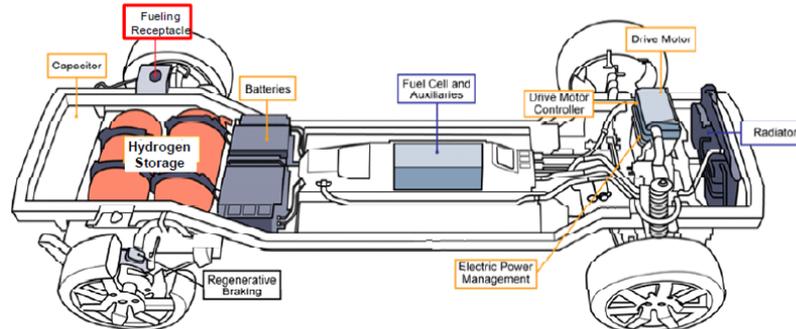


Figure A.2. Example of a Hydrogen Fuel Cell Vehicle

## Tyres

- ◆ The provisions on rolling resistance to be included in the second phase of the development
- ◆ Wet grip provisions will be continued to discuss in the informal group. China and India will consider mandatory module or optional module on wet grip.

## Location and identification of Motorcycle controls, tell-tales and indicators

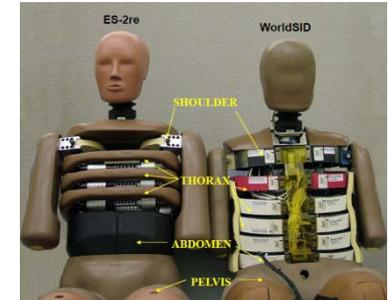
- Draft GTR might be submitted to WP.29 at their November 2011 sessions

## Worldwide harmonized Light Vehicle Test Procedures (WLTP)

- Reported reassessment of the WLTP project taking into account the outcome of the forthcoming meetings of DHC, DTP and the GRPE session in June

## GTR on Pole Side Impact (PSI)

- Australia reported 2<sup>nd</sup> informal group.
- AC3 adopted TOR and 1<sup>st</sup> progress report.



## Consideration of Candidate global technical regulations

- Japan introduced Japanese future measures for vehicle safety for society with no traffic accidents.
- EU presented European commission program of work for 2011-2012.
- US presented USA rulemaking and research priorities of NHTSA.
- AC.3 noted that, among others, electric vehicles, including electric storage systems, e-mobility, protection to vulnerable user, and audibility of quiet vehicles were common priorities in the presentations and that they could be considered as priorities for future development of UN GTRs.
- EU, US and Japan will prepare formal proposal for inclusion in the program of work by AC3 at November 2011.



**Advanced technologies for UN GTR/UN Regulation**

# Examples for advanced technologies

## 1. Minimum Sound Limit Values for Silent Vehicles

■ At 145<sup>th</sup> WP29 (June 2008), National Federation of the Blind (NFB) made a presentation regarding the possible danger for blind people caused by “quiet cars”.

 WP29 agreed to establish an informal group for this issue under GRB.

⇒ GRB Informal group on Quiet Road Transport Vehicles (QRTV)

 2010-2011: Discussion in GRB

 March 2011: WP29 adapted new RE3 including QRTV

⇒ Basically Japanese guideline



# Electric Safety (ELSA)

## ◆ Concepts in the protection of passengers from electric shock

- Protection from direct contact:

The high voltage part is prevented from being touched directly by the passengers.

- Provision of electric insulation:

The high voltage part and the other conductive parts are insulated from each other.

- Protection from indirect contact:

Measures are provided to prevent electric shock even in the event of an electric leakage from the high voltage part to the other conductive parts.



## ◆ March 2010: Revised UN Regulation No. 100

# New item of ELSA mandate : RESS (Rechargeable Energy Storage System)

For example: vibration, temperature change, mechanical impact, fire resistance, over current charge and discharge, etc

Attendees EU, US, Japan, Korea, France, Spain, Germany, Sweden, NGOs

Schedule (plan)	November 2010	Constitutional meeting, ToR to GRSP (informal document)
	December 2010	Adoption of ToR by GRSP
	January 2011	Second meeting of the RESS group
	March/April 2011	Third meeting of the RESS group
	June 2011	Fourth meeting of the RESS group
	September 2011	Formal Document to GRSP
	December 2011	Adoption by GRSP
	March 2012	Adoption by WP.29



Lithium Battery

# Advanced Emergency Braking Systems (AEBS)

## Lane Departure Warning Systems (LDWS)

Now, Proposed for new UN Regulation

Scope is heavy duty vehicles

### Advanced Emergency Braking Systems (AEBS)

Radar or Laser systems detect if vehicle in front is too close

Brakes may be applied automatically if necessary



### Lane Departure Warning Systems (LDWS)

System warns when driver is crossing road markings

Can also warn when there is a vehicle in the adjoining lane.



# Conclusion and Proposal

1. It is needed that the Asian economies would deepen their understanding of the merits of the IWVTA, which was proposed by Japan and is being promoted at WP29, as well as of accession to the 1958 Agreement, and particularly, in order to build MRA/regulation harmonization frameworks in ASEAN, information on amendment/establishment of UN Regulations would be exchanged in a timely manner.

➡ Example: **✦ Guideline on the scope , administrative provisions and alternative requirements in Regulations annexed to the 1958 agreement**  
**✦ Participate IWVTA activity and WP29**

2. It is needed that “advanced technologies” related to future UNGTR and UN Regulations would be discussed and that the UNGTR/UN Regulations would be investigated technologically with a view to reflecting the situation in Asia so that the results of the discussions can lead to future amendment proposals submitted from Asia.

➡ Example: **✦ Consideration of Candidate global technical regulations (E-mobility)**

3. It is needed that, in order to create an environment where the Asian economies can easily introduce a large number of UN Regulations into their national laws **Expert Meetings** would be promoted and held for deepening technological understanding of individual UN Regulations, and unique requirements would be minimized.

➡ Example: **✦ Consideration of draft amendments to existing regulations submitted by each GRs**  
**✦ Consideration of draft corrigendum to existing regulations submitted by each GRs**

# In the future

**"WP29 study meeting hosted by each country or ASEAN"**

**How to hold**

**Voluntary Holding by each country or ASEAN**

**For preparation**

**Today please propose your view, and then please show the plan from each economy at next "Public and Private Joint Forum".**



**Thank you for your attention !**



# Panel Discussion:

## Part I

Policy, Subjects and Action plan  
to promote the IWVTA concept  
under the UN Regulation framework  
for realizing harmonization of regulations  
and establishing MRA in the Asian region

**Coordinator: Mr. Michio Miyamoto (Japan)**

**Panelists: Mr. Takao Onoda (Japan),  
Section head of Vehicle Testing (Indonesia),  
Ms. Jiraporn Kaewkraisorn (Thailand),  
Mr. Mohd Sharulnizam Bin Sarip (Malaysia),  
Mr. K.K.Gandhi (SIAM Indea),**

# Thailand Views on IWVTA & 1958 Agreement

Automotive Engineering Bureau  
Department of Land Transport  
Thailand  
November 2011

## ***Necessity of WVTA System***

- **Whole vehicle type approval system is an essential process before registering new vehicle**
- **Vehicle parts & system type approval system support WVTA system to take less time and cost**
- **Adoption of any UNECE regulation of vehicle part/system in WP.29 to accept its UNECE certificate will facilitate WVTA efficiently**

## ***Current Provision of 1958 Agreement***

- **Current provision of 1958 Agreement are technical regulation and MRA of vehicle part/system only**
- **No mention to whole vehicle type approval system**
- **Lack of important issues for implementing type approval system e.g. vehicle classification, information document, qualification of technical services**

# *Thailand Status on IVTA System*

- National technical regulation in line with UNECE regulations on vehicle part/system and its certification is the first priority for Thailand including every country have to meet
- First Notification of vehicle Parts/Systems : R41 will enforce in 2012 and the others will follow
- The details of Notification apply from R41 itself, relevant EU Directive and relevant WP.29 guidelines

# *Amendment of 1958 Agreement*

- Add International Whole Vehicle Type Approval System for using globally
  - *approve once, accept everywhere*–
- Add important issues for IWVTA implementation for instance vehicle classification, information document, qualification of technical services, etc.
- The amendment should be on fair, flexible and voluntary basis to give a room for developing countries/CPs to play with

~ thank you~



**BRIEFING OF**  
**VEHICLE TYPE APPROVAL WITH**  
**IWVTA CONCEPT**

**AUTOMOTIVE ENGINEERING DIVISION**  
**ROAD TRANSPORT DEPARTMENT OF MALAYSIA**



# CONTENTS

- Current Situation
- VTA System in Malaysia
- Action Plan Towards Realizing IWVTA  
concept
- Conclusion



# CURRENT SITUATION



**Malaysia** has acceded to 1958 and 1998 Agreements since 4<sup>th</sup> April 2006

Since 1958 agreement imposing the certification mechanism – Malaysia decided to implement the concept into our Rules & Act

Since 2006, Malaysia **accept/adopt** UNECE Regulations subject to the requirements of our National Regulations.

Currently, we are accepting \*all UNECE Regulations and adopting 19 UNECE Regulations

\*may deviate from original requirements

# VEHICLE TYPE APPROVAL SYSTEM IN MALAYSIA



# DEFINITION

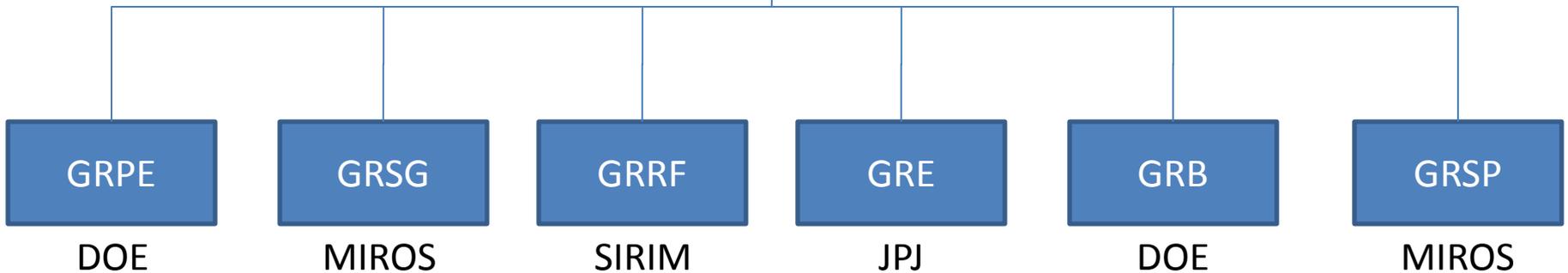
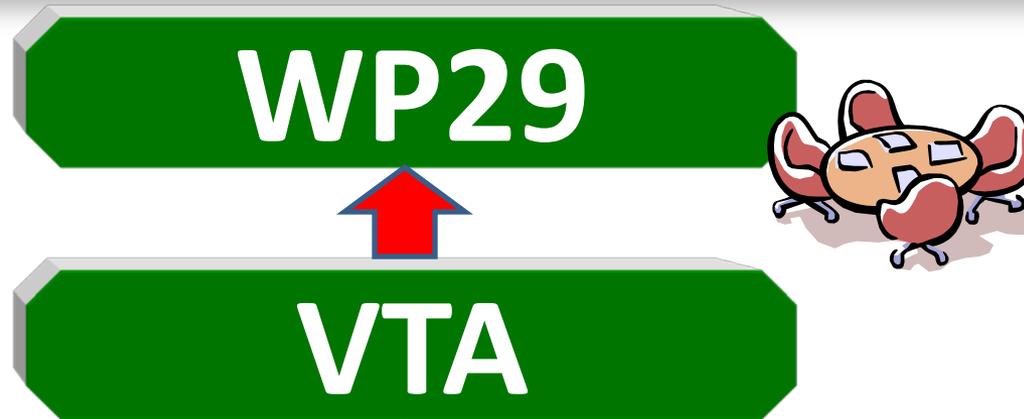
**Vehicle Type Approval** is a homologation process to confirm production sample of a vehicle design will meet specified standards/regulations before a vehicle registration is allowed in Malaysia. Generally, vehicle type approval consist of component type approval and general requirements compliance.

**COMPONENT TYPE APPROVAL + GENERAL REQUIREMENTS = VEHICLE TYPE APPROVAL**

\***Component Type Approval** is a compliance of a product with specified standards/regulations (Malaysian Standards / UNECE Regulations).

\***General Requirements** are the requirements listed under Road Transport Act 1987 and Road Transport Rules .

# COMMITTEE STRUCTURE IN MALAYSIA



GRPE : Pollution & Energy (16 ECE)

GRSG : General Safety (30 ECE)

GRRF : Brakes & Running Gear (18 ECE)

GRE : Lighting & Signalling (39 ECE)

GRB : Noise (8 ECE)

GRSP : Passive Safety (16 ECE)

**TOTAL : 127 UNECE REG.**

# VOLUNTARY AND MANDATORY STANDARDS

- Generally, standards that have been established by SIRIM (Malaysian Standards) is voluntary.
- A standard will be classed as mandatory when it is adopted by regulators into Act or Rules.
- Ministry Of Transport recognize the United Nations Economic Commission for Europe (UNECE) Regulations and Malaysian Standards as the compliance of automotive products to be used as part of the vehicle.



# SCHEDULE OF UNECE IMPLEMENTATION

(\* Published : [www.jpj.gov.my](http://www.jpj.gov.my))



2010

R15	R24	R30	R49	R54	R66*	R97	R108	R109	R116
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2011

R100									
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2012

R3	R6	R7	R13	R13H	R14	R16	R17	R18	R25
R28	R36	R39	R40	R41	R43	R46	R48*	R50	R51
R52	R53	R58	R62	R69	R70	R73	R75	R78	R79
R80	R81	R83	R90	R93	R94	R95	R98	R99	R104
R112	R113								

2015

R4	R10	R11	R19	R21	R23	R26	R34	R37	R38
R44	R45	R48	R55	R60	R61	R64	R77	R89	R91
R101	R117	R119	R121						

# ACTION PLAN TOWARDS REALIZING IWVTA CONCEPT



# ACTION PLAN



## ON-GOING (BEFORE 2015)

- To involve with IWVTA informal committee regularly – If can't join, share information through Japan.
- To share information on the situation in ASEAN countries – weather, conditions, and etc
- To develop local expertise to implement the IWVTA concept – need support from advance country , ie: Japan
- To determine the most suitable UNECE items for the purpose of IWVTA – all UNECE/selected items
- To study the requirements proposed under IWVTA informal working group

# ACTION PLAN



## AFTER ESTABLISHMENT OF IWVTA CONCEPT (AFTER 2015)

- Plan to adopt IWVTA concept subject
- Harmonization of Vehicle Categories , Procedures, Requirements and etc
- To establish the appropriate testing facilities to support the implementation of IWVTA in ASEAN region
- The promote the IWVTA MRA in ASEAN region

# CONCLUSION

- Malaysia is implementing 1958 agreement concept
- Currently , we are adopting 19 UNECE Regulations and decided to implement 76 UNECE Regulations by year 2015
- Several committees have been established to monitor the implementation progress
- We are planning to implement the IWVTA concept once it is officially established.





# The 2<sup>nd</sup> Public and Private Joint Forum in Asian region

- Day 2 -



# Report-1

from the Government and Industry

**Mr. Takao Onoda**  
**Director for International Agreements**  
**Engineering Planning Division,**  
**Engineering and Safety Department,**  
**Road Transport Bureau,**  
**Ministry of Land, Infrastructure,**  
**Transport and Tourism (MLIT), Japan**

**Mr. Shigeo Yoshizawa and others**  
**Member of**  
**International cooperation Committee,**  
**JASIC**

**Mr. Kiminori Hyodo**  
**Member of Regulations**  
**and Certification Systems Committee,**  
**JASIC**

***Our Asian  
Prosperous, Safe vehicle society  
with international MRA  
of Components and Vehicles***

***JASIC Asian G/I meeting  
23,24, Nov. 2011***

***Mr. Kiminori HYODO***



***My presentation Agenda***

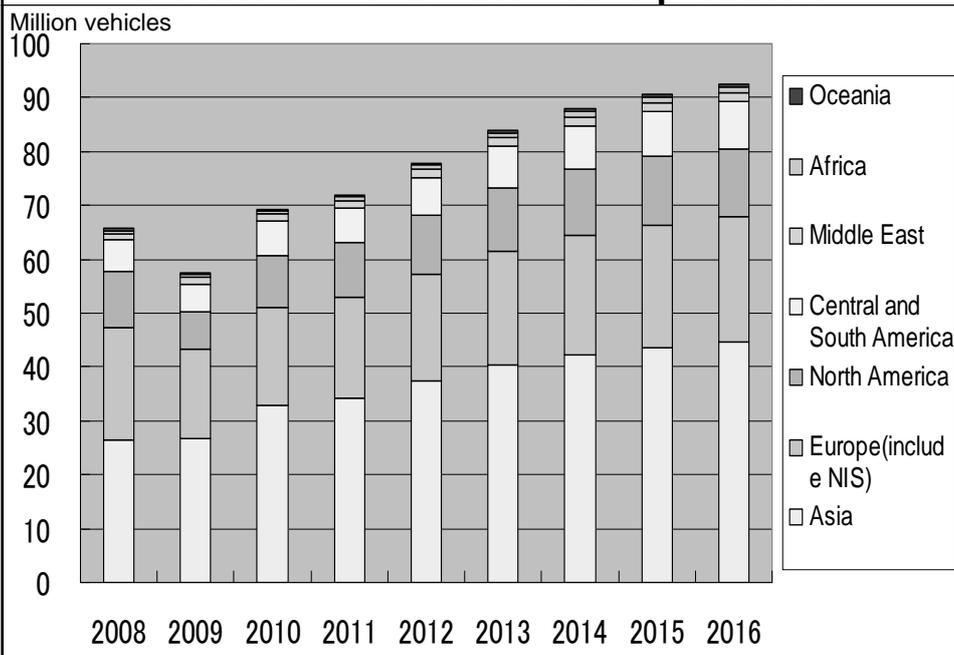
- 1- Key-words for 21<sup>st</sup> Century***
- 2- Internationalization accelerates Asian  
Competitive Power***
- 3- The closest path for Internationalization***
- 4- Merits of UN-ECE(1958 Agreement)***
- 5- How about current situation in Asia?***
- 6- Certification System of Components  
and Vehicles***
- 7- Our Collaboration among Auto Parts  
Industries Associations In the world***



1-

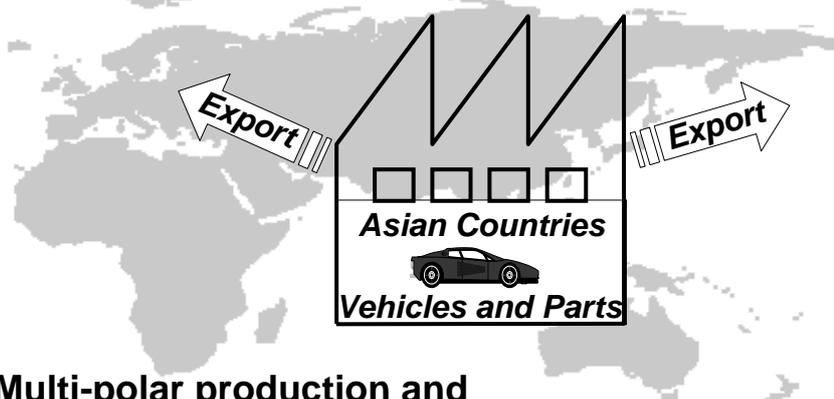
**One of Key-words  
for 21<sup>st</sup> Century  
is  
our ASIA**

**Forecast of World Automobile production**



**21<sup>st</sup> Century: Motorization in Asia**

- Vehicle production in Asia will significantly increase in the years ahead



- Multi-polar production and local procurement of parts inside Asia
- A center of Automobile supply to Worldwide market

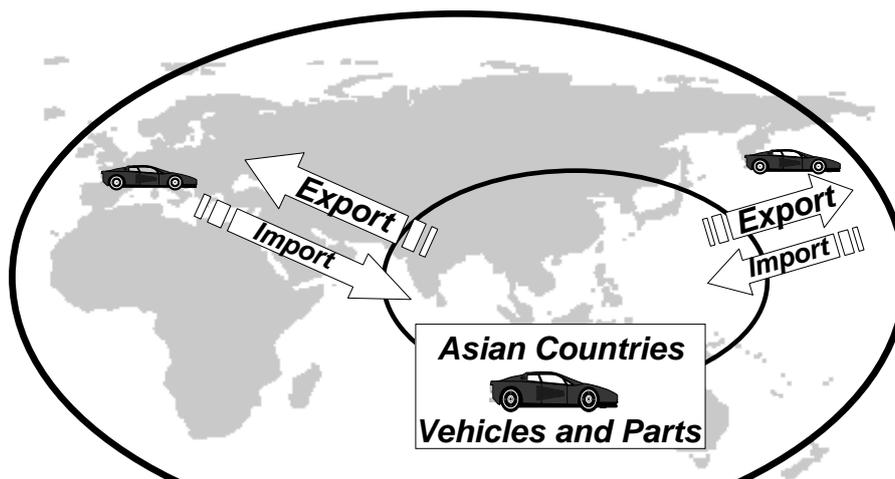


**2-**

**Internationalization  
accelerates  
Asian Competitive Power**

# Asian competitive power of Automobile industry

will become stronger by the Internationalization of Regulation and Certification system of Vehicles and Components

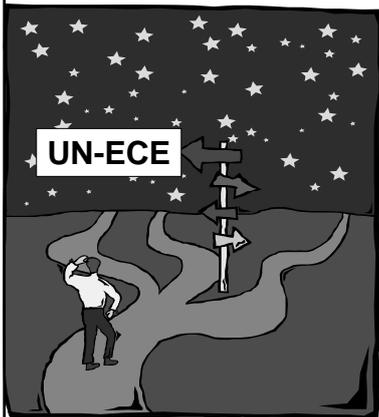


**Common International Regulation and Common International Certification system**



**3-**

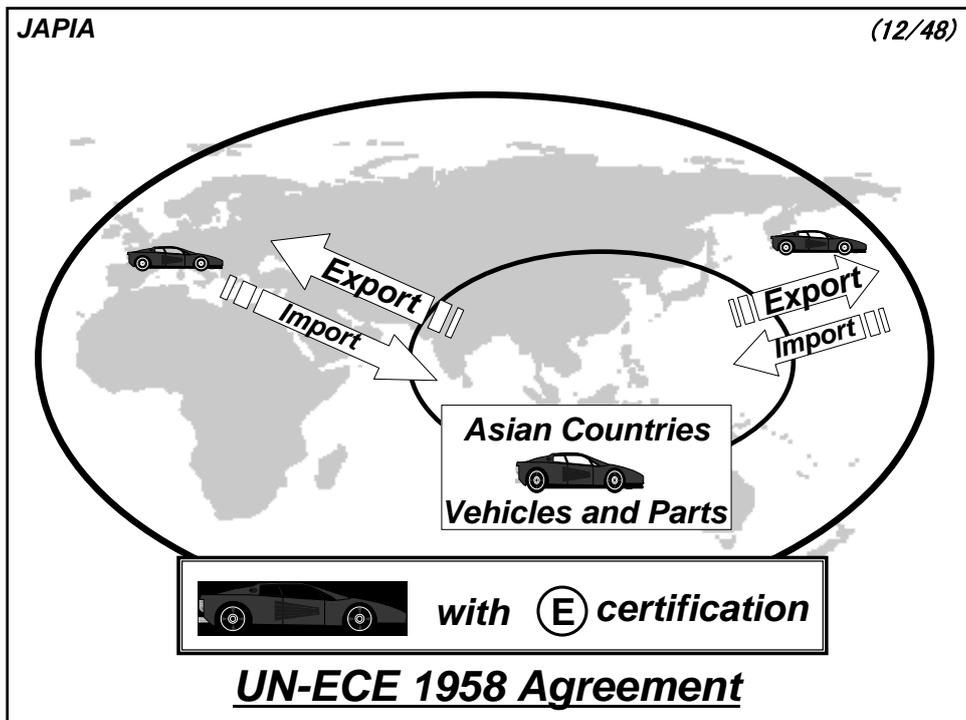
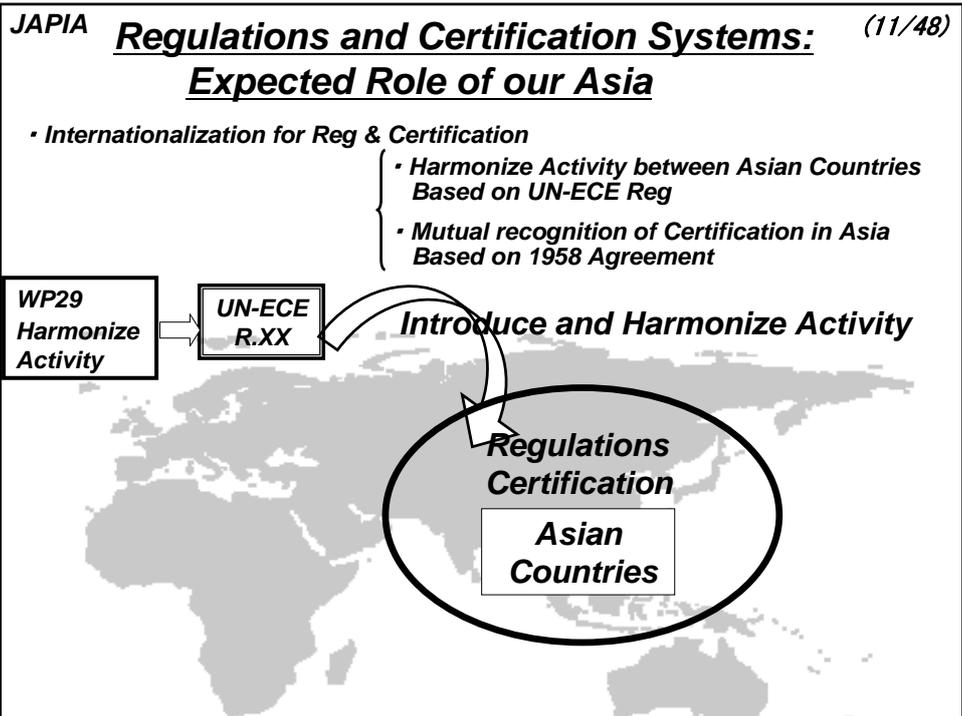
**UN-ECE(1958 Agreement)  
is closest path  
for  
Internationalization**



*To guarantee Safety  
To keep Environment  
To do Worldwide business*



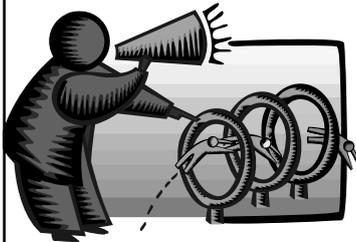
**UN-ECE(1958 Agreement) is  
the most appropriate and closest path (tool)  
to realize our Asian internationalization  
and competitive power in worldwide market.**





**4-**

## **Merits of UN-ECE(1958 Agreement)**



*Let's review*

### **UN-ECE 1958 Agreement**

***Aim : To achieve the safety vehicle society  
and prosperity in the world.***

***Methods :***

- 1) Harmonization of Requirements***
- 2) MRA  
(Mutual Recognition of Approvals)***

Merits for Asian governments

- 1) To contribute to society by safety and environment friendly vehicles
- 2) To guarantee safety and quality by ECE approval
- 3) Internationalization of own countries
- 4) To facilitate import / export of parts and vehicles into / from Asian countries → economic growth
- 5) No overlap approval among a number of governments
  - No test facility/equipment cost
  - No testing engineer cost
  - Reduce procedural work

Merits for Asian automotive industry

- 1) Actively to import / export parts and vehicles into / from Asian countries → economic growth
- 2) Reduction of approvals for individual countries
  - No charge for approvals
  - No procedural work
  - Reduce type-approval period
  - Global common design

→ Low product cost → User's merit
- 3) To become more international manufacturer

**JAPIA wish our Asian countries;**

**Finally,**

**To contract 1958 agreement and accept  
UN-ECE regs as many as possible,**

**In transitional period\*,**

- 1) To accept UN-ECE approvals (top priority),**
- 2) To refer UN-ECE regs into their national  
regulation as alternative, or**
- 3) To harmonize requirements with UN-ECE  
regs as soon as possible.**

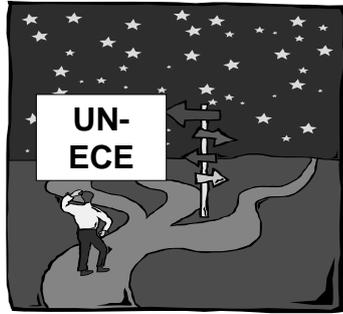
**\*: Until the completion to contract the agreement or to accept UN-ECE regs**



**5-**

**How about  
the current situation  
in our ASIA?**

# How about the direction of current Asian situation ?



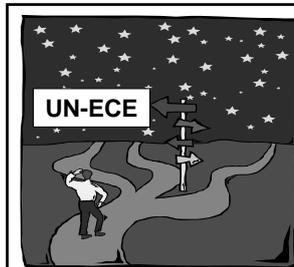
*To guarantee Safety  
To keep Environment  
To do Worldwide business*



**UN-ECE(1958 Agreement) is the most appropriate and closest path (tool) to realize our Asian internationalization and competitive power in worldwide market.**

# How about the direction of current Asian situation ?

## 1) Harmonization of Requirements

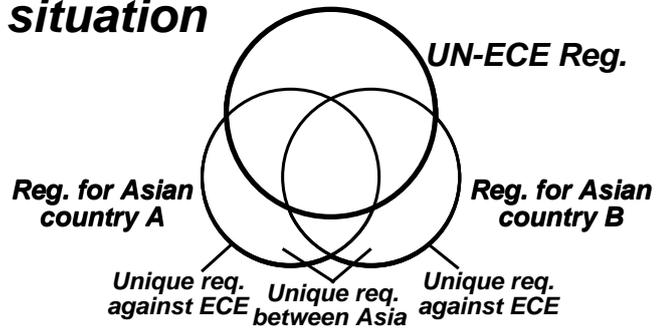


*To guarantee Safety  
To keep Environment  
To do Worldwide business*



**UN-ECE(1958 Agreement) is the most appropriate and closest path (tool) to realize our Asian internationalization and competitive power in worldwide market.**

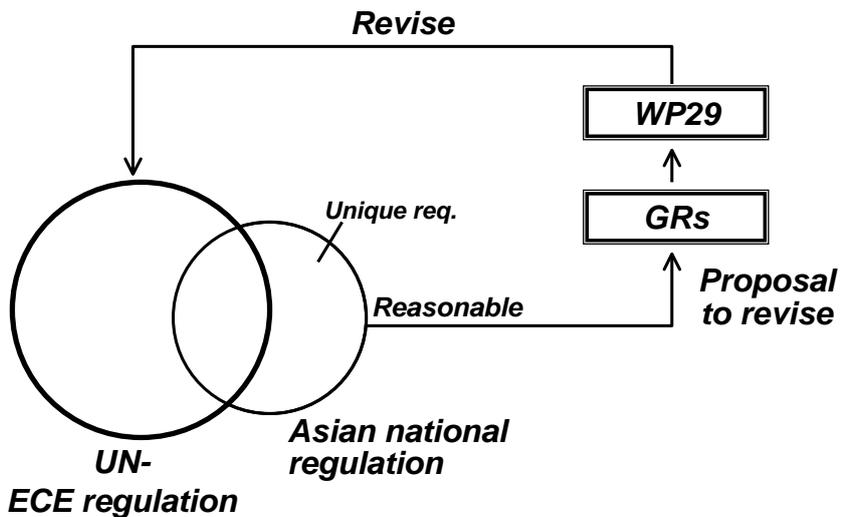
**current situation in Asia**

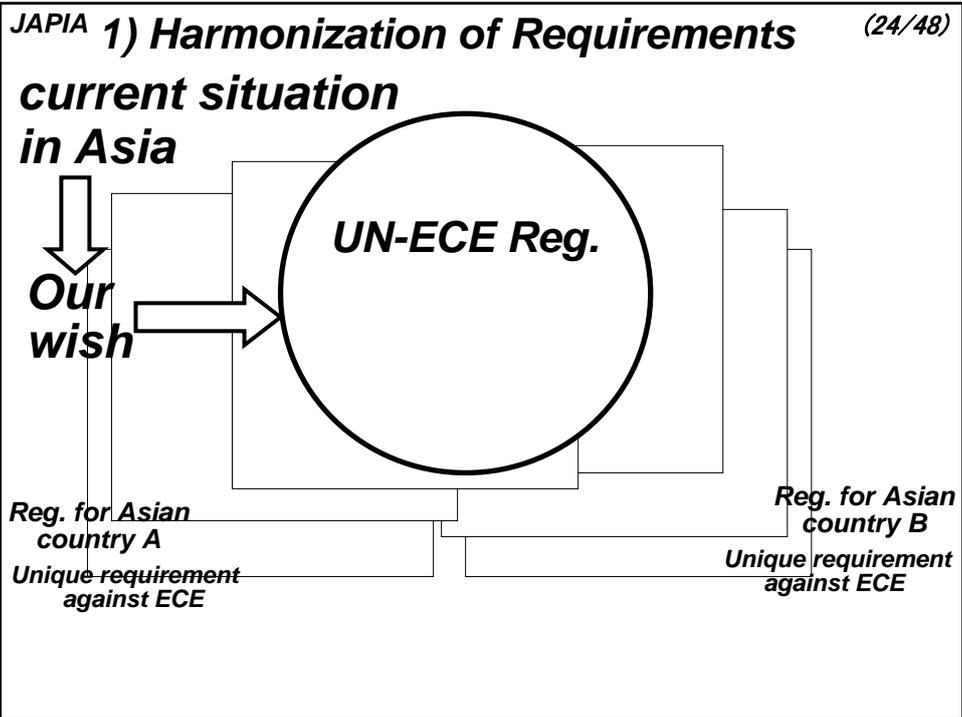
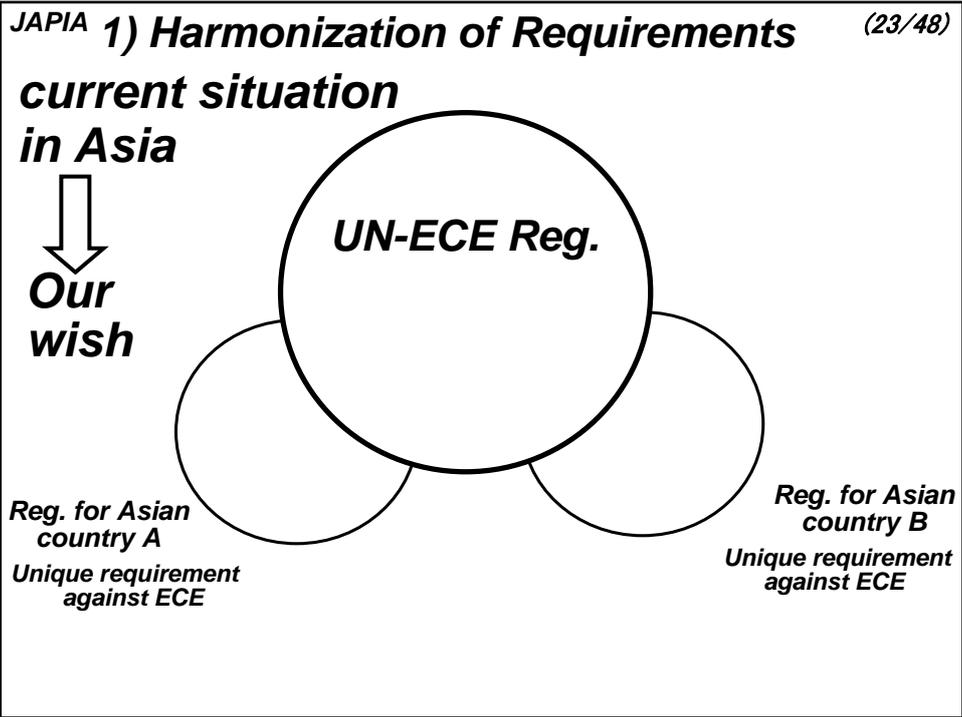


**Our Asian countries should discuss the necessity of our unique requirements.**

- 1) If they are reasonable, unique requirements may be remained.
- 2) If they are unreasonable, unique requirements should be harmonized.

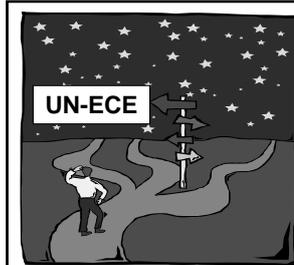
**Reasonable unique requirements**





# How about the direction of current Asian situation ?

## 2) MRA (Mutual Recognition of Approvals)



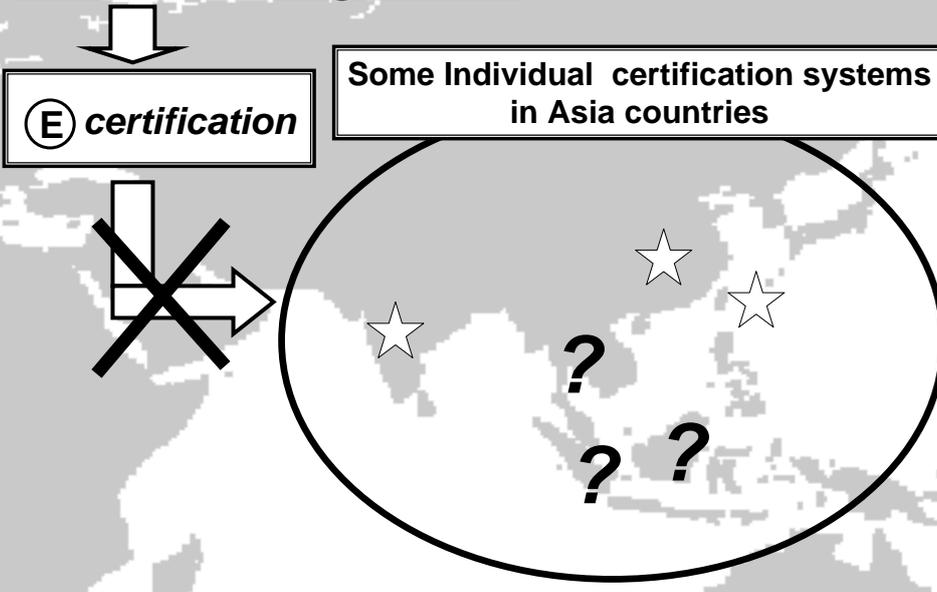
To guarantee Safety  
 To keep Environment  
 To do Worldwide business



UN-ECE(1958 Agreement) is the most appropriate and closest path (tool) to realize our Asian internationalization and competitive power in worldwide market.

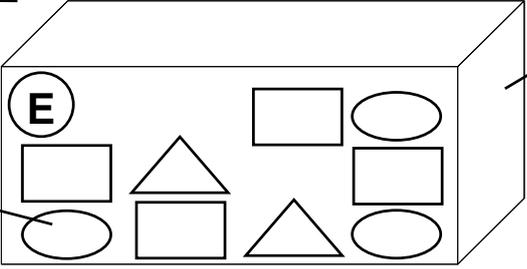
## 2) MRA (Mutual Recognition of Approvals)

### UN-ECE 1958 Agreement



JAPIA **2) MRA** (Mutual Recognition of Approvals) (27/48)  
**current situation in Asia**

country	Individual certification	Individual marking
A	yes	
B	yes	
C	yes	
.		
.		



Individual approval marking

Component

JAPIA **2) MRA** (Mutual Recognition of Approvals) (28/48)  
**current situation in Asia**

country	Individual certification	Individual marking
A	yes	
B	yes	
C	yes	
.		

Cost up

- Re-making samples
- Re-sending samples
- Re-making test-stand
- Re-testing in Laboratory
- Re-making application doc.
- Re-certification
- Re-adding other marking

D

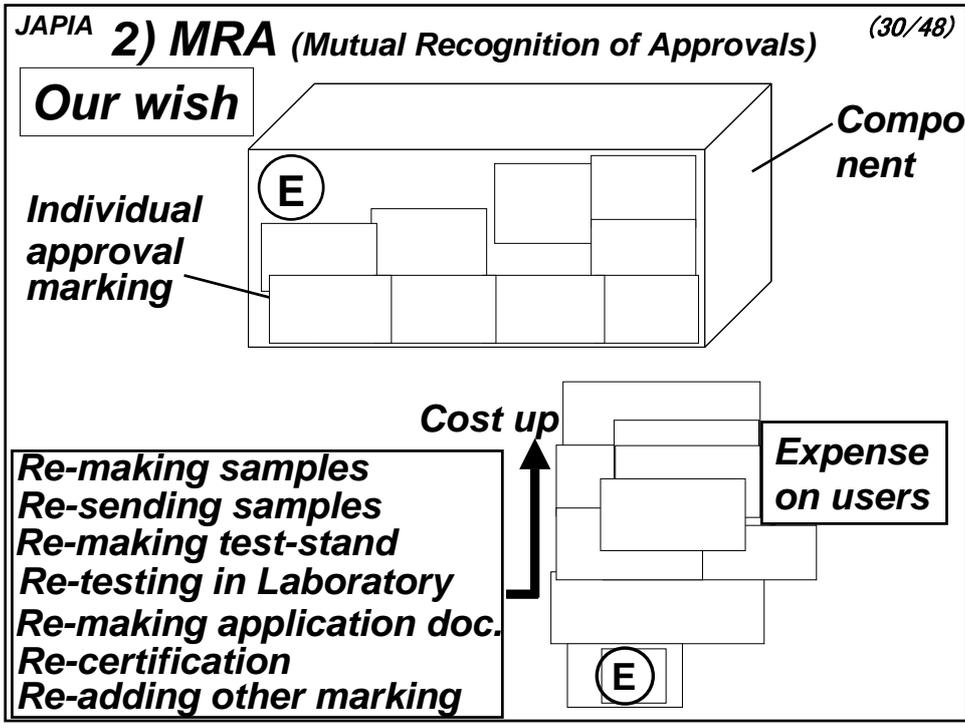
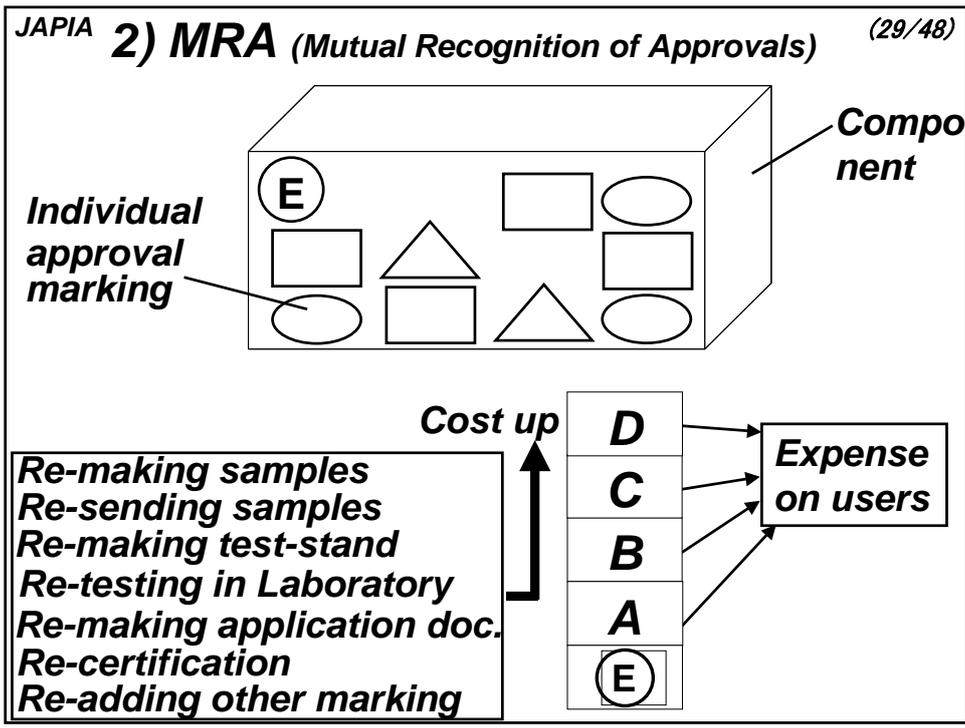
C

B

A



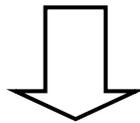
Expense on users





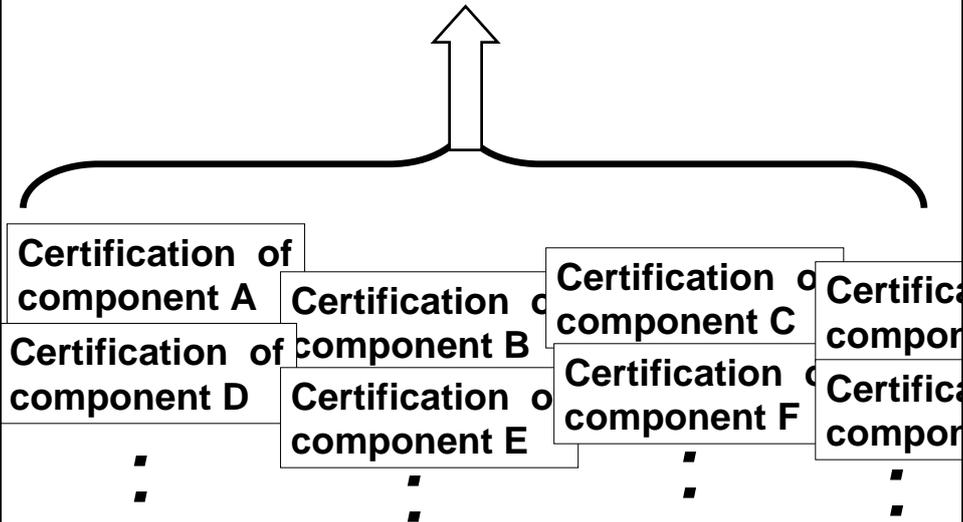
**6-**  
**Certification System**  
**of**  
**Components and Vehicles**

**Ideal certification system**  
**of Components and Vehicles**



**to realize**  
**our Asian internationalization**  
**and**  
**competitive power in worldwide**  
**market**

### Certification of Vehicle



### Ideal certification system of Components and Vehicles

Common International Regulation  
and  
Common International Certification

**Imagine**

~John Lennon~

*Imagine there's no heaven  
it's easy if you try  
no hell below us  
above up only sky  
imagine all the people  
living for today...*

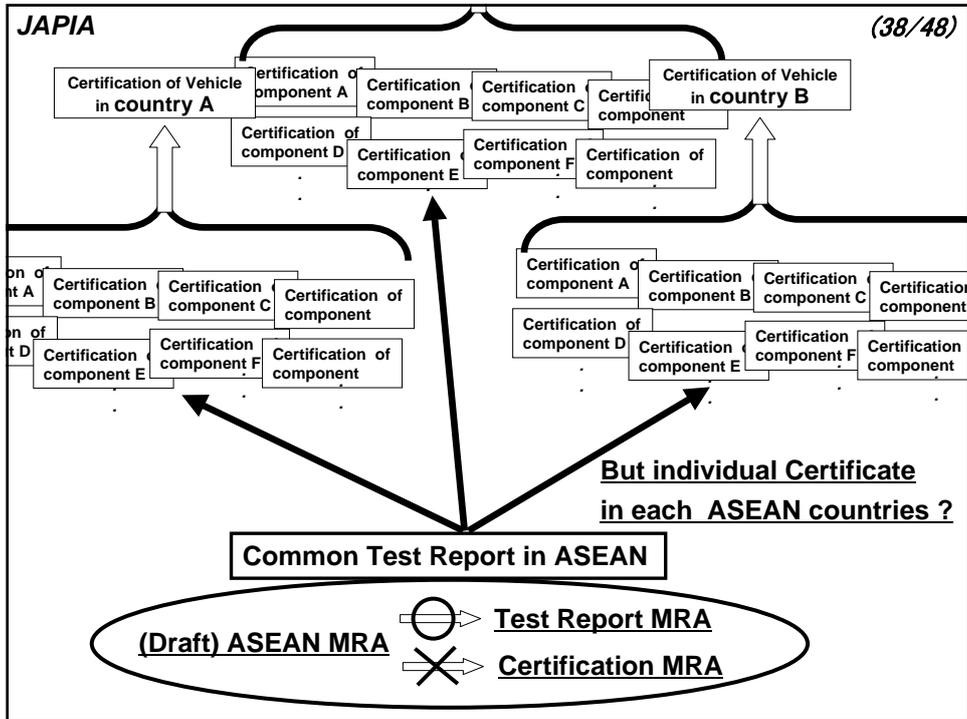
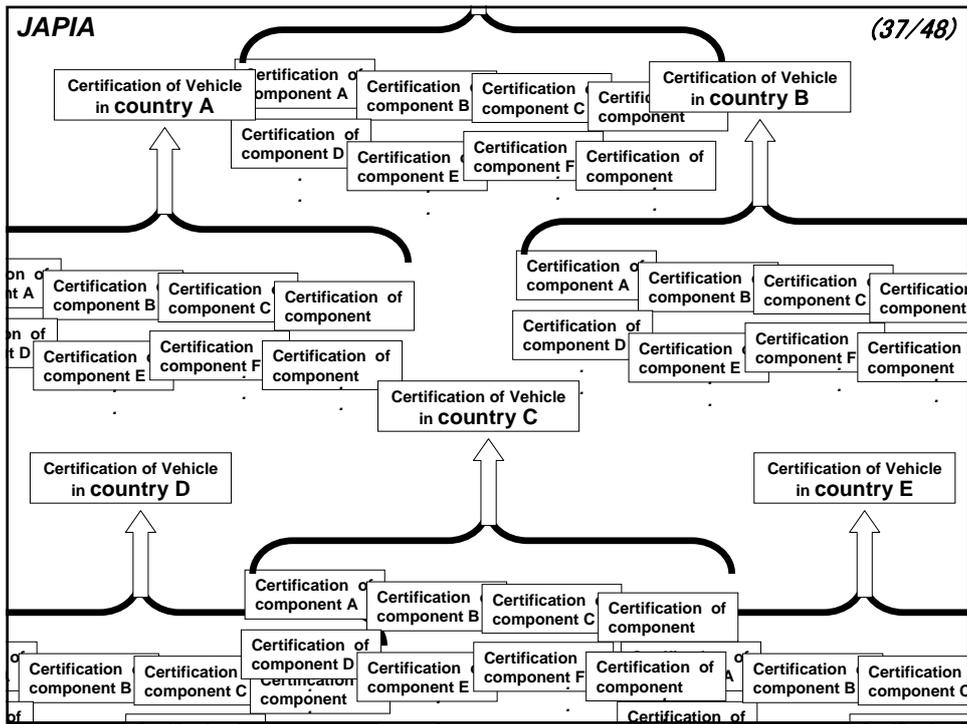
*Imagine there's no countries  
it isn't hard to do  
nothing to kill or die for  
no religion too  
imagine life in peace...*

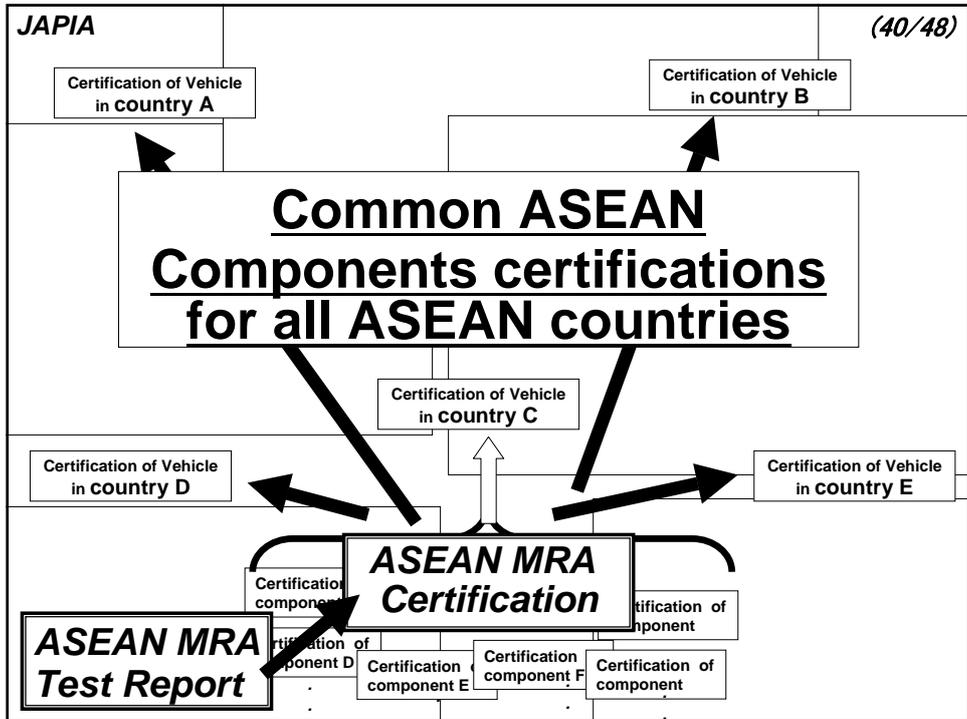
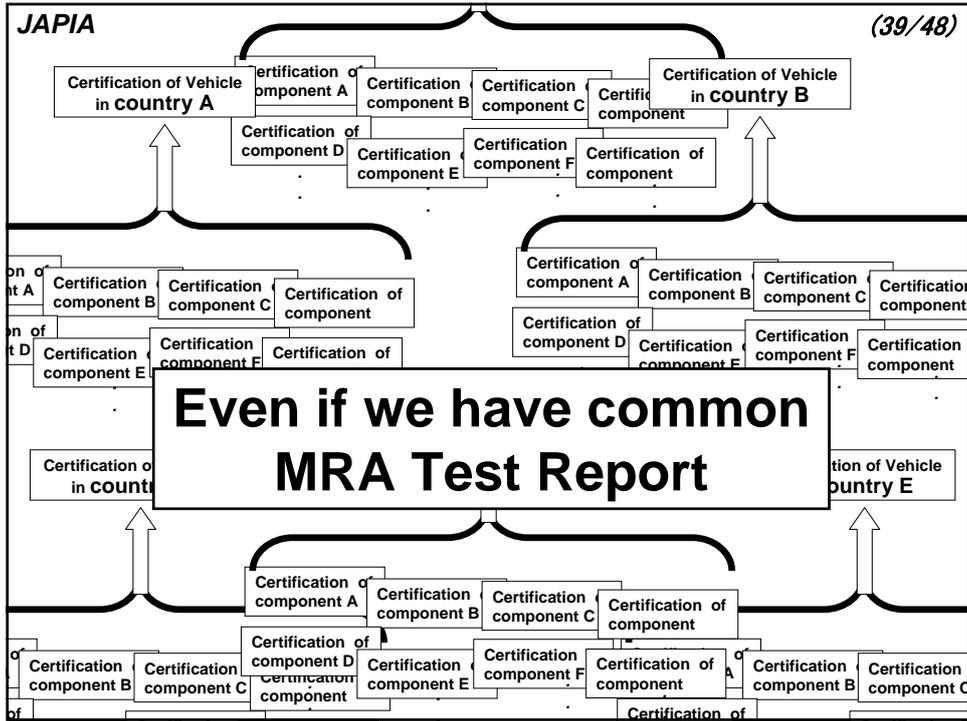
*Imagine no possessions  
I wonder if you can  
no need for greed or hunger  
a brotherhood of man  
Imagine all the people  
sharing all the world...*

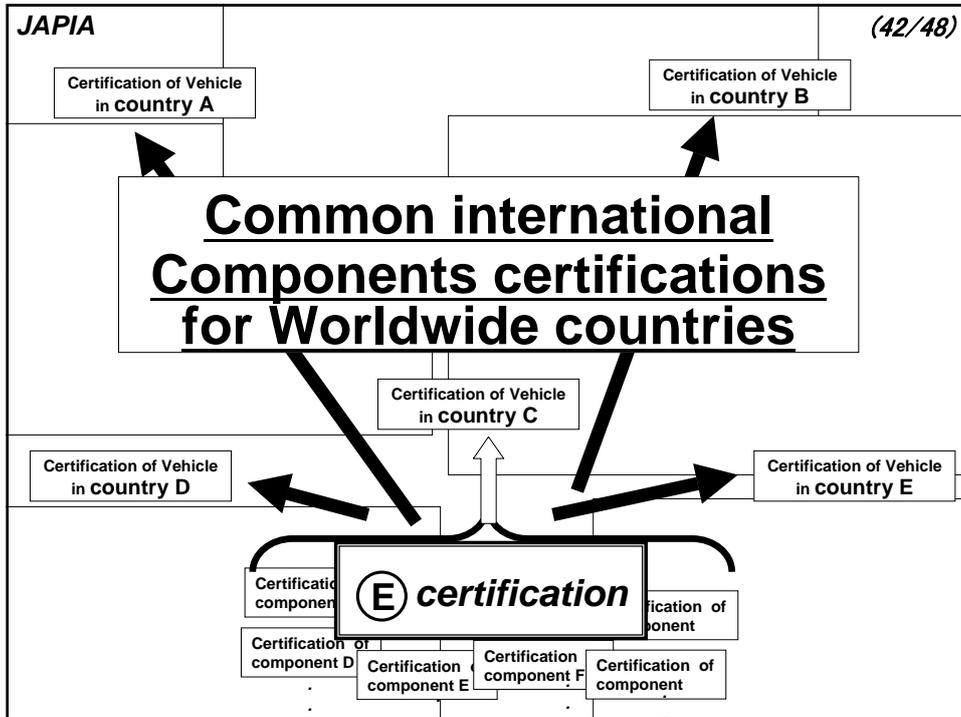
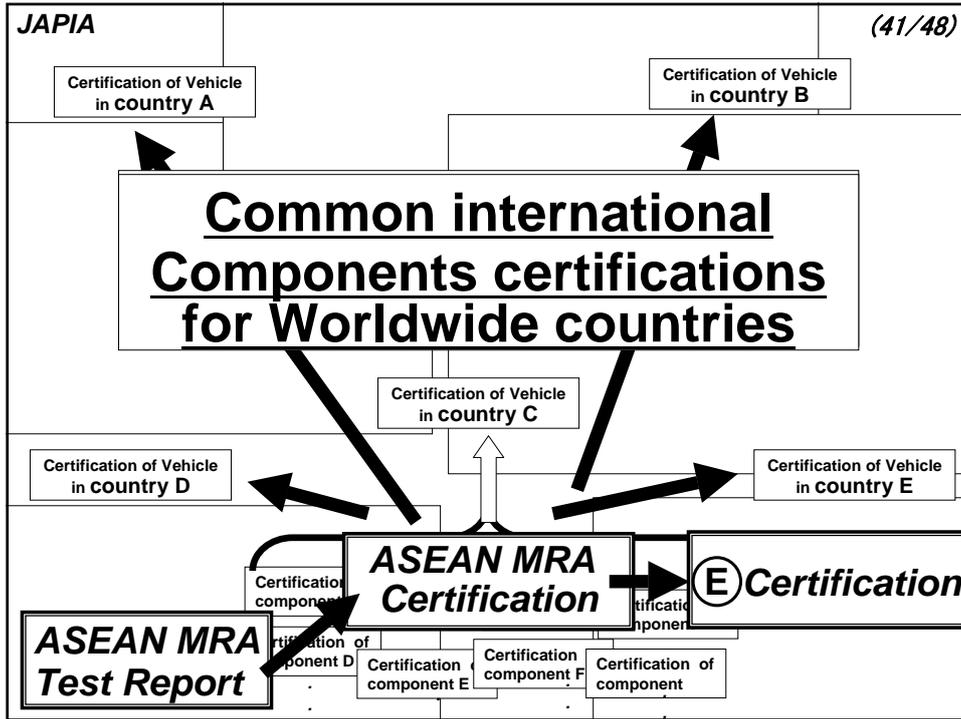
*you may say I'm a dreamer  
but I'm not the only one  
I hope someday you'll join us  
and the world will be as one*

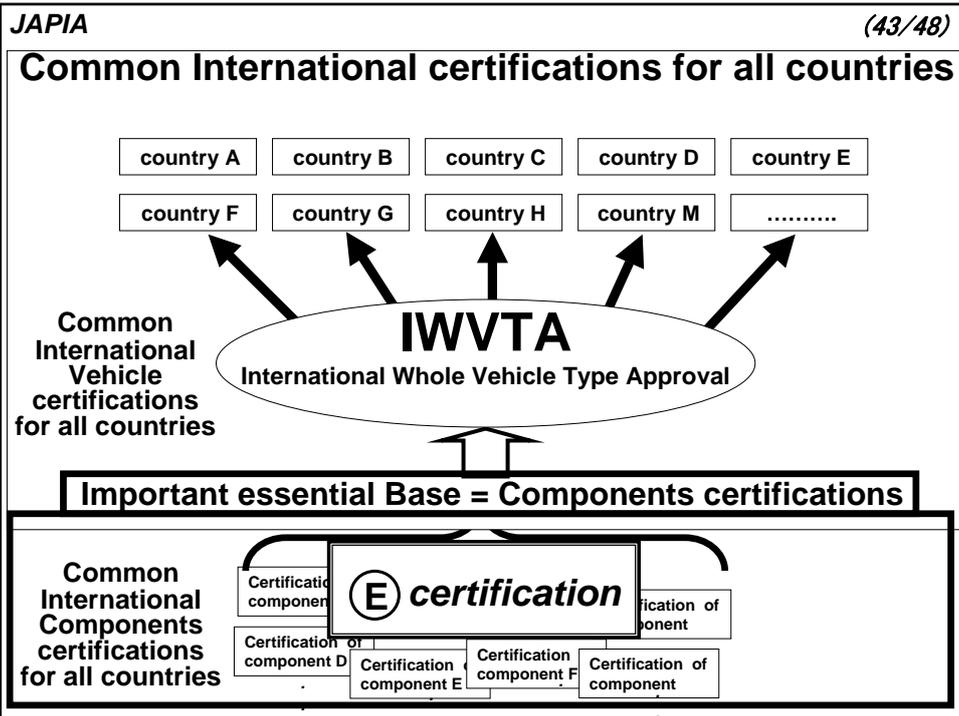
**Let's Imagine** ~ G / I meeting members ~

***If each countries has  
Individual Test Report (requirements)  
and  
Individual Certification system***









JAPIA (44/48)

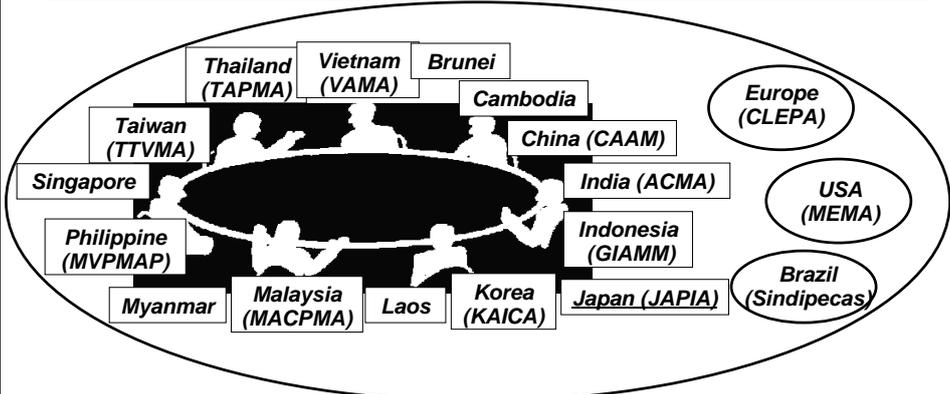


**7-**

**Our Collaboration  
among  
Auto Parts Industries  
Associations  
in the world**

## Accelerate our Collaboration among Asian Auto Parts Industries Associations

- Information exchange of regulatory matter in each country
- Technical discussion
- Harmonization activity based on UN-ECE regulation



## Summary ( Let's do ! )

*in order to achieve the safety vehicle society  
and prosperity in Asia, effectively.*

**Finally,**

**To contract 1958 agreement and accept  
UN-ECE regs (MRA) as many as possible,**

**In transitional period\*,**

\*: Until the completion to contract the agreement or to accept the ECE regs

- 1) To accept UN-ECE approvals (E) (top priority)**
- 2) To refer UN-ECE regs into their national regulation as alternative, or**
- 3) To harmonize requirements with UN-ECE regs as soon as possible.**

**Safety  
Driving**



**Comfortable  
Driving**

**Keep  
Environment**



The same issue in the world



***Let's challenge together  
harmonization activity  
for Requirement and MRA in Asia***

***Thank you for your attention***  
**JAPIA**



## **Report-2**

### **Expert Meetings in 2011 and plan for 2012**

**Mr. Hiroshi Morita  
Director,  
Japan Automobile Standards  
Internationalization Center (JASIC)**

Public and Private Joint Forum

**Report of the 2011 JASIC  
Asia Expert Meetings  
and its plan for 2012~**

24 November, 2011



**JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER**  
<http://www.jasic.org>

# Concept of the Expert meetings

## *Under the JASIC P/P Forum,*

- ◆ To improve the understanding of the 1958 Agreement and the ECE Regulations by the Asian countries.
- ◆ To strengthen the cooperation among Asian countries.

# Expert Meeting

## Purpose

To understand UN/ECE Vehicle Regulations and improve the knowledge, skills, methods also the certification system, COP practically through the whole vehicle approval systems under the 1958 Agreement.

## Process



**P/P Forum**

②

**Request  
ECE items**



Arrange Experts and dispatch them to the country to carry out the Expert Meeting



③



## History

- 2003: 01. Thailand \*Lamp
- 2005: 02. Indonesia \*1958 Agree.
- 2005: 03. Thailand \*Brake
- 2006: 04. Philippines \*1958 Agree.
- 2006: 05. Hong Kong \*Approval
- 2006: 06. Thailand \*Belt, Seat etc.
- 2007: 07. Philippines \*Admin.
- 2007: 08. Indonesia \*Accession, ECE
- 2007: 09. Vietnam \*1958 Agree.
- 2007: 10. India \*Approval, MRA
- 2007: 11. Indonesia \*Noise

- 2008: 12. Thailand \*HL, Brake
- 2008: 13. Indonesia \*Glass
- 2008: 14. Thailand \*Noise, OBD
- 2008: 15. Malaysia \*Belt, Seat etc.
- 2008: 16. Indonesia \*Emission
- 2009: 17. Philippines \*Approval etc.
- 2009: 18. Philippines \*Belt, Tire
- 2009: 19. Malaysia \*MRA, Lamp
- 2009: 20. Vietnam \*Glass
- 2009: 21. Philippines \*Noise, Glass
- 2010: 22. Vietnam \*Emission, Tire
- 2010: 23. Malaysia \*Brake
- 2010: 24. Indonesia \*Brake

Each requested country arrange the venue and collect the audiences



**EX Meeting**

# Expert meetings in 2011

	<i>Organization</i>	<i>Timing</i>	<i>Theme</i>
25 <sup>th</sup>	Thailand	March	R12 (Steering Mechanism) , <b>R79</b> (Steering Equipment)
26 <sup>th</sup>	China	May	R10 (EMC: Electromagnetic Compatibility)
27 <sup>th</sup>	Philippines	July	R28(Audible Warning Devices) <b>R75</b> (2-3 wheels tires)
28 <sup>th</sup>	Vietnam	August	R112 (Head lamps)
29 <sup>th</sup>	Malaysia	October	R94 (frontal collision) , R95 (lateral collision)

# 25<sup>th</sup> Expert meeting in Thailand



# 26<sup>th</sup> Expert meeting in China



# 27<sup>th</sup> Expert meeting in Philippines



# 28<sup>th</sup> Expert meeting in Vietnam



# 29<sup>th</sup> Expert meeting in Malaysia





# Trend in 2011

## 1. Increase of the number of countries requesting Expert Meeting

- Expert Meeting held first time in China
- Initially, Myanmar had also requested to hold an Expert Meeting

## 2. Increase of requests in ASEAN countries for Seminars on other than 19 ECE regulations under MRA

## 3. Steady improvement for test facilities in each countries

- In Malaysia, the demonstration frontal test for motorcycle has done by MIROS, following last year Vietnam's introduction for exhaust test facilities.



# Future plan for Expert meetings(1)

<i>Organization</i>	<i>Timing</i>	<i>Theme</i>
<b>Indonesia</b>	<b>2012</b>	<b>R30</b> (Pneumatic Tires)
<b>Vietnam</b>	<b>2012 August</b>	<b>R13, R13H ,R78</b> (Braking) and/or Recall (optional)
<b>Malaysia</b>	<b>2012</b>	<b>R100</b> (Electric Power Train) <b>R40 ,R83</b> (Exhaust Emission) <b>R41,R51</b> (Noise)
<b>Thailand</b>	<b>2012</b>	<b>R80</b> (Seat-Large Passenger Vehicle) <b>R117</b> (The Approval of Tires with Regard to Rolling Sound Emissions)



# Future plan for Expert meetings (2)

<i>Organization</i>	<i>Timing</i>	<i>Theme</i>
<b>Malaysia</b>	<b>2013</b>	<b>Vehicle Projection (Interior &amp; Exterior)</b>
<b>Thailand</b>	<b>2013</b>	<b>R13H (ESC) R100 (Electric Power Train)</b>
<b>Thailand</b>	<b>2014</b>	<b>R87 (Daytime Running Lamps)</b>



***Thank you for your attention***



## Round Discussion

“Short Presentation and speech on the develop the vehicle type approval systems in each Asian country”

Brunei  
Cambodia  
China  
Hong Kong  
India  
Indonesia  
Japan  
Korea  
Lao PDR  
Malaysia  
Myanmar  
Philippines  
Singapore  
Thailand  
Vietnam  
Chinese Taipei

## QUESTIONNAIRE FOR THE 2nd P/P JOINT FORUM

### QUESTION 2: YOUR PARTICIPATION IN THE WP29 ACTIVITIES

#### 2-1. WP29 & GRs participation

- Participation record for 2011 and future plan for 2012

Brunei	
Cambodia	
China	
Hong Kong	
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	2011 records: Not Join 2012 plans: 2 times
Myanmar	<b>2011 records:</b> Myanmar has been participating in all JASIC Asia G/I Meeting and also GRSP Seminar Series. We are still observer but we are applying and referring some of UN/ ECE regulations in domestic type approval system. <b>2012 plans:</b> Cooperation with ASEAN and Japan for International type approval system.
Philippines	<b>2011 records:</b> DOTC conducting cost benefit study on impact of participation in WP29 to Philippine economy, industry, government and society. <b>2012 plans:</b> Review of the terms of reference
Singapore	2011 records: a. Participated in the 15 <sup>th</sup> JASIC ASIA Government /Industry Meeting, 19 to 20 January 2011. b. Participated in the ASEAN Automotive Product Working Group (APWG), which was formed under the auspices of the ASEAN Consultative Committee for Standards and Quality, ACCSQ. c. Participated in the APEC Vehicle Standards Harmonization Sub-group meetings. 2012 plans: Plan to participate in WP29 & GRs as an observer.
Thailand	2012 plans: <b>DLT : 2011: 154<sup>th</sup> WP.29</b> <b>2012 157<sup>th</sup> WP.29, GRSG</b> <b>TISI : 2011: -</b> <b>2012 : -</b>
Vietnam	2011 records: Not attending any WP29 and GR meetings 2012 plans: Not yet
Chinese Taipei	

- Name of participating organization (Such as specific authority in charge and relevant organizations)

Brunei	
Cambodia	
China	
Hong Kong	---
India	
Indonesia	

Japan	
Korea	
Laos	
Malaysia	Ministry Of Transport Road Transport Department Malaysia Institute of Road Safety (MIROS)
Myanmar	If Myanmar becomes a participant of WP29 & GRs, Road Transport Administration Department under Ministry of Rail Transportation, Ministry of Industry (1) and Ministry of Industry (2) will become participating organizations.
Philippines	Department of Transportation and Communications Land Transportation Office Department of Trade and Industry-Bureau of Product Standards Department of Foreign Affairs
Singapore	<a href="#">Land Transport Authority (LTA), Singapore</a>
Thailand	<b>1. Department of Land Transport, Ministry of Transport</b> <b>2. Thai Industrial Standards Institute, Ministry of Industry</b> <b>3. Thai Automotive Industry Association</b> <b>4. Automotive Industry Club of Federation of Thai Industries</b>
Vietnam	- Ministry of Transportation. - Agency: Vietnam Register (Department of Ministry of Transportation) - Concerned body: No
Chinese Taipei	

## 2-2. Accession to the 1958 Agreement and/or 1998 Agreement

- For Contracting Party to the Agreement  
(Problems and tasks after the accession to the 1958 Agreement, etc. / Solutions or countermeasures for the problems and tasks)
- For Non-Contracting Party to the Agreement  
(Planned year of the accession to the 1958 Agreement / Status of progress of the accession procedure, the action plan up to the accession / Problems and tasks concerning the accession, etc. / Solutions or countermeasures for the problems and tasks)

Brunei	
Cambodia	
China	
Hong Kong	---
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	Contracting Party: Signatory for both agreements *Post-participation problems: Recognition of Technical Service *Problem/issue resolution measures: Recognition procedure/requirements is still under study
Myanmar	Non-Contracting Party: Accession to the Agreements is under consideration. *Scheduled year for participation: After 2011 *Progress of participation procedures, action plan up to participation: - *Participation problems, etc: Myanmar doesn't have any problems in preparing accession to the Agreement, but the fact is that we are not vehicle exporting countries at the present. Furthermore, Myanmar is necessary to improve infrastructure and upgrade technical resources in vehicle manufacturing standards.

Philippines	<p>Non-Contracting Party:  In 2007, Executive Order 628 was issued creating a Committee on Harmonization of Vehicle Standards and Regulations (CHVSR)  In 2008, an experts meeting on the accession to the 1958 Agreement and participation to WP29 for economies considering WP29 participation was held  In 2009, DOTC decided to conduct a study on the effects of participation to WP 29 to the Philippine economy, industry, government and society in general prior to accession  In 2010, documents were prepared for the conduct of the study  In 2011 there is an ongoing review of the Terms of Reference</p> <p>*Scheduled year for participation:  The DOTC – LTO has not yet decided on when the Philippines will participate, still waiting for the result of the study.</p> <p>*Progress of participation procedures, action plan up to participation:  Ongoing review of the Terms of Reference on the conduct of study on the effects of participation to WP 29 to the Philippine economy, industry, government and society.</p> <p>*Participation problems, etc:  The progress on the domestic activities for regulations harmonization is constrained by limited technical expertise, infrastructure and resources</p> <p>*Problem/issue resolution measures:  In the light of the government policy directions and commitments, the DOTC deemed it necessary to conduct a study on the overall effects on the Philippine economy, industry, government and society in general, of the possible participation to WP29 and accession to the Agreements on worldwide harmonization of vehicle technical standards and regulations.</p> <p>The Philippines had requested for Japan’s technical assistance for the development study on vehicle standards and conformance aligned with the general structure of the 1958 Agreement of the WP29 in preparation for the Philippine participation to WP29 and accession to its Agreements</p>
Singapore	<p>Please see comments below for Non-Contracting Party</p> <p>Scheduled year for participation:  <a href="#">Plan to consider acceding to the 1958 and 1998 Agreements in the year 2012.</a></p> <p>Progress of participation procedures, action plan up to participation:  <a href="#">Considering benefits of signing the 1958 and 1998 Agreements.</a></p> <p>Participation problems, etc:  <a href="#">Manpower and financial resources required to attend WP29 and GR meetings to monitor new development/amendments to UNECE Regulations.</a></p> <p>Problem/issue resolution measures:  <a href="#">Singapore is not a vehicle-manufacturing country. We currently accept vehicles that have been designed and constructed to comply with UNECE Regulations and do not subject vehicles to additional tests. Hence, we are already market-friendly. Therefore, there is no compelling basis(strong justifications) nor immediate need to sign the 1958 and 1998 Agreements.</a></p>
Thailand	<p>Post-participation problems:  Problem/issue resolution measures:  Post-participation problems: <b>Lack of experts, Technical knowledge of UN/ECE regulations</b>  Problem/issue resolution measures: <b>Arrange expert meeting in Thailand</b></p>
Vietnam	<p>Non-Contracting Party</p> <p>*Scheduled year for participation: 2013</p> <p>*Progress of participation procedures, action plan up to participation: On Process</p> <p>*Participation problems, etc: Lack of expertise, Infrastructure</p> <p>*Problem/issue resolution measures:  - Becoming observer of WP29 meeting.  - Staff training and expert meeting on technical Regulation  - Task Force to push up the process  - Further discussions/meetings among some Ministries</p>
Chinese Taipei	

### 2-3. What is your plan regarding the adoption UN/ECE Regulations?

Brunei			
Cambodia			
China			
Hong Kong	Please refer to Annex on the schedule of acceptance and adoption of UN/ECE regulations in vehicle type approval in Hong Kong.		
India			
Indonesia			
Japan			
Korea			
Laos			
Malaysia			
Myanmar	Can't be designated at the moment		
Philippines	<table border="1"> <tr><td> PNS UNECE 3:2005  PNS UNECE 4:2005  PNS UNECE 6:2005  PNS UNECE 7:2005  PNS UNECE 10:2006  PNS UNECE 11:2005  PNS UNECE 13:2005  PNS UNECE 13h:2005  PNS 1893:2000 Amd 1:2002 UNECE 14  PNS 1892:2000 Amd 1:2002 UNECE 16  PNS UNECE 22:2007  PNS UNECE 23:2005  PNS UNECE 25:2005  PNS UNECE 27:2006  PNS UNECE 28:2006  PNS UNECE 37:2005  PNS UNECE 38:2005  PNS UNECE 39:2006  PNS UNECE 40:2006  PNS UNECE 41:2005  PNS UNECE 45:2005 </td><td> PNS UNECE 46:2005  PNS UNECE 48:2005  PNS UNECE 50:2006  PNS UNECE 51:2005  PNS UNECE 53:2006  PNS UNECE 60:2006  PNS UNECE 62:2006  PNS UNECE 63:2005  PNS UNECE 67:2006  PNS UNECE 75:2006  PNS UNECE 78:2006  PNS UNECE 79:2005  PNS UNECE 81:2006  PNS UNECE 91:2005  PNS UNECE 98:2005  PND UNECE 99:2005  PNS UNECE 110:2003  PNS UNECE 112:2005  PNS UNECE 113:2006  PNS UNECE 115:2006 </td></tr> </table>	PNS UNECE 3:2005 PNS UNECE 4:2005 PNS UNECE 6:2005 PNS UNECE 7:2005 PNS UNECE 10:2006 PNS UNECE 11:2005 PNS UNECE 13:2005 PNS UNECE 13h:2005 PNS 1893:2000 Amd 1:2002 UNECE 14 PNS 1892:2000 Amd 1:2002 UNECE 16 PNS UNECE 22:2007 PNS UNECE 23:2005 PNS UNECE 25:2005 PNS UNECE 27:2006 PNS UNECE 28:2006 PNS UNECE 37:2005 PNS UNECE 38:2005 PNS UNECE 39:2006 PNS UNECE 40:2006 PNS UNECE 41:2005 PNS UNECE 45:2005	PNS UNECE 46:2005 PNS UNECE 48:2005 PNS UNECE 50:2006 PNS UNECE 51:2005 PNS UNECE 53:2006 PNS UNECE 60:2006 PNS UNECE 62:2006 PNS UNECE 63:2005 PNS UNECE 67:2006 PNS UNECE 75:2006 PNS UNECE 78:2006 PNS UNECE 79:2005 PNS UNECE 81:2006 PNS UNECE 91:2005 PNS UNECE 98:2005 PND UNECE 99:2005 PNS UNECE 110:2003 PNS UNECE 112:2005 PNS UNECE 113:2006 PNS UNECE 115:2006
PNS UNECE 3:2005 PNS UNECE 4:2005 PNS UNECE 6:2005 PNS UNECE 7:2005 PNS UNECE 10:2006 PNS UNECE 11:2005 PNS UNECE 13:2005 PNS UNECE 13h:2005 PNS 1893:2000 Amd 1:2002 UNECE 14 PNS 1892:2000 Amd 1:2002 UNECE 16 PNS UNECE 22:2007 PNS UNECE 23:2005 PNS UNECE 25:2005 PNS UNECE 27:2006 PNS UNECE 28:2006 PNS UNECE 37:2005 PNS UNECE 38:2005 PNS UNECE 39:2006 PNS UNECE 40:2006 PNS UNECE 41:2005 PNS UNECE 45:2005	PNS UNECE 46:2005 PNS UNECE 48:2005 PNS UNECE 50:2006 PNS UNECE 51:2005 PNS UNECE 53:2006 PNS UNECE 60:2006 PNS UNECE 62:2006 PNS UNECE 63:2005 PNS UNECE 67:2006 PNS UNECE 75:2006 PNS UNECE 78:2006 PNS UNECE 79:2005 PNS UNECE 81:2006 PNS UNECE 91:2005 PNS UNECE 98:2005 PND UNECE 99:2005 PNS UNECE 110:2003 PNS UNECE 112:2005 PNS UNECE 113:2006 PNS UNECE 115:2006		
Singapore	Please see Answer sheets		
Thailand	<b>There is no plan for ECE adoption but this issue will be discussed among the stake-holders in near future.</b>		
Vietnam	Please see Answer sheets		
Chinese Taipei			

#### 2-4. What is your practice or plan regarding the application of UN/ECE regulations?

- Method of adoption: Accept or Refer to the UN/ECE regulations

Brunei	
Cambodia	
China	
Hong Kong	<p>Hong Kong (China) accepts</p> <p>(i) ECE certificates or</p> <p>(ii) test report or self-declaration of conformance to ECE regulations issued by the vehicle manufacturers;</p> <p>as one of the proof documentation in our existing “type approval” process for approval new M, N, O, L vehicles imported to Hong Kong.</p>
India	
Indonesia	
Japan	
Korea	
Laos	

Malaysia	Accept UNECE Regulations with condition it's not overlap with National Requirements.																		
Myanmar	Referring to the UN/ECE regulations will be more suitable for Myanmar's status.																		
Philippines	Method 4:																		
Singapore	Already accept UNECE certificates and test reports without subjecting vehicles to further tests. Also progressively make direct reference to UNECE Regulations in our technical regulations.																		
Thailand	<b>Using the relevant UNECE regulation as equivalent</b>																		
Vietnam	<table border="1"> <thead> <tr> <th></th> <th>UN/ECE certificate</th> <th>UN/ECE test report</th> <th>Re-testing in your country</th> <th>Issue individual certificate</th> <th>Individual approval marking</th> </tr> </thead> <tbody> <tr> <td>Imported vehicle/Component</td> <td>Accept</td> <td>Accept</td> <td>None</td> <td>Yes</td> <td>None</td> </tr> <tr> <td>Local Assembled vehicle/Component</td> <td>Refer</td> <td>Not accept</td> <td>Yes</td> <td>Yes</td> <td>None</td> </tr> </tbody> </table>		UN/ECE certificate	UN/ECE test report	Re-testing in your country	Issue individual certificate	Individual approval marking	Imported vehicle/Component	Accept	Accept	None	Yes	None	Local Assembled vehicle/Component	Refer	Not accept	Yes	Yes	None
		UN/ECE certificate	UN/ECE test report	Re-testing in your country	Issue individual certificate	Individual approval marking													
	Imported vehicle/Component	Accept	Accept	None	Yes	None													
Local Assembled vehicle/Component	Refer	Not accept	Yes	Yes	None														
Chinese Taipei																			

### QUESTION 3: COMMENTS FOR PANEL DISCUSSION

#### 3-1. When is the target for complicating the vehicle type approval system?

Brunei	
Cambodia	
China	
Hong Kong	<p>At present, the vehicle type approval system is operated under an administrative framework, by the Transport Department of the HKSAR Government.</p> <p>The technical requirements are incorporated in the local vehicle regulations (ie. the Road Traffic (Construction and Maintenance of Vehicles) Regulations), which will be updated by phases when relevant provisions or regulations are reviewed in due course.</p>
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	Expected 2015 after complete to build the proving ground
Myanmar	Although we could not establish vehicle type approval system, we refer and apply 1985 Agreement and its amendments in our domestic vehicle industry.
Philippines	By 2015, a type approval system will be implemented covering the 19 priority regulations set by the APWG
Singapore	Already have a vehicle type approval system.
Thailand	<b>New draft Act of Land Transport is jointly considering by DLT and the Council of State. And it will take time for the consideration of the Parliament. However current vehicle parts type approval system, which is accumulated subset of whole vehicle type approval, is gradually triggered next year onward.</b>
Vietnam	Viet Nam already has Vehicle/Component type approval system. These systems are close to Type approval system under the 1958 Agreement
Chinese Taipei	

#### 3-2. What are the reasons behind not setting a schedule for adopting the ECE items?

Brunei	
Cambodia	
China	

Hong Kong	Hong Kong (China) accepts (i) ECE certificates or (ii) test report or self-declaration of conformance to ECE regulations issued by the vehicle manufacturers; as one of the proof documentation in our existing “type approval” process for approval new M, N, O, L vehicles imported to Hong Kong.
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	Currently enforcing VTA with reference to UNECE Regulations
Myanmar	Barriers for setting a schedule for the ECE items would be: 1)we are still observing 2)we are not ready to adopt those items right now 3)so we’d like to take time for above mentioned matter
Philippines	The schedule of adopting UNECE regulations will be based on the Agreements in the APWG
Singapore	Already accepts vehicles that have been designed and constructed to comply with UNECE Regulations or other international standards such as the Japanese Safety Regulations and US Federal Motor Vehicle Safety Standards, or their equivalent.
Thailand	<b>One Notification on Vehicle Part/System Type Approval System (R41) which is in line with UNECE regulation will be implemented next year. This is an opportunity for both government and industry sectors to acquaintance with the type approval on UNECE regulation.</b>
Vietnam	N/A
Chinese Taipei	

### 3-3. How do you minimize your unique subjects?

Brunei	
Cambodia	
China	
Hong Kong	Systems complying to ECE regulations will be normally accepted by the type approval system in Hong Kong, except the weight and dimensions as well as the classification of vehicles which might need to match with the local infrastructure.
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	Harmonization of National Standards with UNECE
Myanmar	
Philippines	
Singapore	We plan to progressively incorporate the other UNECE Regulations in our technical regulations.
Thailand	<b>Introducing notification in line with UNECE regulations as many as possible.</b>
Vietnam	N/A
Chinese Taipei	

### QUESTION 4: ASIA EXPERT MEETING

#### 4-1. Expert Meeting Plan

In your country, are there any plans to hold some Expert Meeting(s) within three years from now on?  
(Agenda, Contents, and Name of person in charge of Expert Meetings planned in 2012, 2013, and 2014)

Brunei	
Cambodia	
China	
Hong Kong	---
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	2012: Vehicle Emission & Electric (R100, R40, R41, R51, R83) 2013: Expert Meeting On Vehicle Projection (Interior & Exterior) 2014: Tires & Braking
Myanmar	-
Philippines	
Singapore	2012: No specific plan. We will consider participating in such Expert Meetings on an ad hoc basis. 2013: As above 2014: As above
Thailand	<b>2012: R80, R117</b> <b>2013: R13H (ESC), R100</b> <b>2014: R87,</b>
Vietnam	2012: Agenda: August 2012 Content: ECE (R13, R13H, R78) and/or Recall(optional) Res Person: Vietnam Register 2013: N/A 2014: N/A
Chinese Taipei	

#### 4-2. Any other comments

Do you have any request for, opinions about, or other comments regarding the Expert Meetings?

Brunei	
Cambodia	
China	
Hong Kong	---
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	
Myanmar	-
Philippines	
Singapore	N.A
Thailand	
Vietnam	
Chinese Taipei	

## SPECIAL QUESTION: ASEAN-MRA

### 5-1. When is the ASEAN MRA scheduled to be established?

ASEAN	
Brunei	
Cambodia	
China	
Hong Kong	N/A
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	2015
Myanmar	-
Philippines	
Singapore	We are involved in the Task Force for ASEAN MRA for Type-approval of Automotive Products. We have gathered inputs from the various agencies and are seeking endorsement at national level.
Thailand	<b>Mid 2012</b>
Vietnam	Follow ASEAN road map
Chinese Taipei	

### 5-2. What is the policy for ASEAN-MRA?

ASEAN	
Brunei	
Cambodia	
China	
Hong Kong	
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	Alignment of UNECE Regulations
Myanmar	-
Philippines	
Singapore	To adopt the UNECE Regulations under the 1958 Agreement as the harmonized standard to facilitate free trade in ASEAN.
Thailand	<b>To support ASEAN automotive product</b>
Vietnam	Recognition of other Member states' Authorised/certified Technical Service test report/assessment/inspection with consensus among Asean
Chinese Taipei	

### 5-3. Is there a road map?

ASEAN	
Brunei	
Cambodia	
China	
Hong Kong	
India	

Indonesia	
Japan	
Korea	
Laos	
Malaysia	YES
Myanmar	-
Philippines	
Singapore	The draft MRA has been circulated to both ACCSQ Working Group 1 (Standards and MRA) and Working Group 2 (Accreditation) for comments. We target to reach a consensus on the draft MRA so as to meet the commitments set in the AEC Scorecards.
Thailand	<b>Roadmap will be discussed after internal legal process completed</b>
Vietnam	Follow the Asean roadmap
Chinese Taipei	

#### 5-4. Are there any problems?

ASEAN	
Brunei	
Cambodia	
China	
Hong Kong	
India	
Indonesia	
Japan	
Korea	
Laos	
Malaysia	YES
Myanmar	-
Philippines	
Singapore	No consensus was reached on some of the definitions and clauses relating to Rules of Origin and the setting up of the ASEAN Automotive Committee to oversee this MRA when it was signed. We will need to seek further clarifications on the draft MRA and the legal obligations of each member state.
Thailand	<b>- variation of revision/series of ECE Regulations adopted by each ASEAN members - Insufficiency of competent Technical services that can carry out tests in some ECE regulations</b>
Vietnam	Poor Technical Service System Infrastructure
Chinese Taipei	

## Status quo of Chinese Mandatory National Standards for Automobiles (M1)

No.	Code	Name	Enforcement date	Remarks
<b>Active Safety-Lighting and Light-signalling Devices</b>				
1	GB 4599-2007	Motor vehicle headlamps equipped with filament lamps	2008.06.01	ECE R1
2	GB 4660-2007	Motor vehicle front fog lamps equipped with filament lamps	2008.06.01	ECE R19
3	GB 5920-2008	Photometric characteristics of front and rear position lamps, end-outline marker lamps and stop lamps for motor vehicles and their trailers	2010.01.01	ECE R7
4	GB 15235-2007	Photometric characteristics of reversing lamps for power-driven vehicles	2008.06.01	ECE R23
5	GB 15766.1-2008	Lamps for road vehicles - Dimensional, electrical and luminous requirements	2009.03.01	IEC 60809; ECE R37; ECE R99
6	GB 4785-2007	Prescription for installation of the external lighting and light-signaling devices for motor vehicles and their trailers	2008.06.01	ECE R48
7	GB 11554-2008	Photometric characteristics of rear fog lamp for power-driven vehicles and their trailers	2010.01.01	ECE R38
8	GB 17509-2008	Photometric characteristics of direction indicators for motor vehicles and their trailers	2010.01.01	ECE R6
9	GB 18408-2001	Photometric characteristics of devices for the illumination of rear registration plates of motor vehicles and their trailers	2002.05.01	ECE R4
10	GB 18409-2001	Photometric characteristics of parking lamps for power-driven vehicles	2002.05.01	ECE R77 To be

No.	Code	Name	Enforcement date	Remarks
				revised
11	GB 18099-2000	Photometric characteristics of side-marker lamps for motor vehicles and their trailers	2001.01.01	ECE R91
12	GB 11564-2008	Retro-reflector device for motor vehicles	2009.05.01	ECE R3
13	GB 19151-2003	Warning triangles for motor vehicle	2003.11.01	ECE R27
14	GB 21259-2007	Headlamps equipped with gas - discharge light sources for motor vehicle	2008.06.01	ECE R98
15	GB 21260-2007	Headlamp cleaner	2008.06.01	ECE R45
16	GB 23255-2009	Photometric characteristics of daytime running lamps for motor vehicles	2010.01.01	ECE R87
17	GB 25991-2010	Automotive headlamps with LED light sources and/or LED modules	2012.01.01	
<b>Active Safety-Braking, Steering and Tyre</b>				
1	GB 16897-2010	Brake hose	2011.07.01	FMVSS 106 Revised and under approval
2	GB 12676-1999	Road vehicles--Braking systems--Structure , performance and test methods	1999.10.01	ISO 7634 Being revised
3	GB 21670-2008	Technical requirements and testing methods for passenger car braking systems	2008.11.01	ECE R13-H
4	GB 17675-1999	Steering system of motor vehicles--Basic requirements	2001.01.01	70/311/EEC (ECE R79) To be revised
5	GB 5763-2008	Brake linings for automobiles	2009.09.01	JIS D4411
6	GB 9743-2007	Passenger car tyres	2008.04.01	To be revised
<b>Passive Safety-Seat, Seat belt and Projection</b>				
1	GB 15083-2006	Strength requirement and test of	2007.02.01	ECE R17

No.	Code	Name	Enforcement date	Remarks
		automobile seats, their anchorages and any head restraints		
2	GB 11550-2009	Strength requirement and test of automobile seats head restraints	2011.01.01	ECE R25
3	GB 14166-2003	Safety belts and restraint systems for adult occupants of motor vehicles	2003.11.01	ECE R16 Revised and under approval
4	GB 14167-2006	Safety-belt anchorages for vehicles	2007.02.01	ECE R14 Revised and under approval
5	GB 15086-2006	Motor vehicles - Door locks and door retention components - Performance requirements and test methods	2006.07.01	ECE R11 To be revised
6	GB 11566-2009	External projections for passenger car	2011.01.01	ECE R26
7	GB 11552-2009	The interior fittings of passenger car	2012.01.01	ECE R21
<b>Passive Safety-Boady and Collision Protection</b>				
1	GB 9656-2003	Safety glazing materials for road vehicles	2004.04.01	ECE R43
2	GB 15743-1995	Passenger car--Strength of side doors	1997.01.01	FMVSS 214
3	GB 11557-2011	The stipulation protecting drivers from being injured by motor vehicle steering mechanism	2012.01.01	ECE R12 Revised and under approval
4	GB 17354-1998	Front and rear protective devices for passenger cars	1999.01.01	ECE R 42
5	GB 11551-2003	The protection of the occupants in the event of a frontal collision for passenger car	2004.06.01	ECE R94 Being revised
6	GB 20071-2006	The protection of the occupants in the event of a lateral collision	2006.07.01	ECE R95
7	GB 7063-2011	The wheel guards of motor vehicles	2012.01.01	78/549/EEC Revised and under apporval

No.	Code	Name	Enforcement date	Remarks
8	GB 26134-2010	Roof crush resistance of passenger cars	2012.01.01	FMVSS 216
<b>Passive Safety-Fire protection</b>				
1	GB 8410-2006	Flammability of automotive interior materials	2006.07.01	FMVSS571.302
2	GB 18296-2001	Safety property requirements and test methods for automobile fuel tank	2001.10.01	FMVSS 393 & Japan SRRV (plastic tank)
3	GB 20072-2006	The requirements of fuel system safety in the event of rear-end collision for passenger car	2006.07.01	ECE R34
<b>General Safety-Visibility</b>				
1	GB 11562-1994	Motor vehicles--Forward visibility for drivers--Requirements and measurement methods	1995.01.01	77/649/EEC To be revised
2	GB 11555-2009	Motor vehicles-windshield demisting and defrosting systems - Performance requirements and test methods	2011.01.01	78/317/EEC
3	GB 15085-1994	Motor vehicles--Windshield wipers and washer systems--Performance requirements and test methods	1995.01.01	Being integrated
4	GB 11565-1989	Passenger cars--Windshield wipers--Wiped areas	1990.03.01	
5	GB 15084-2006	Motor vehicles - Rear view mirrors - Requirements of performance and installation	2006.07.01	ECE R46 Being revised
<b>General Safety-Indicator and Signaling Device</b>				
1	GB 15082-2008	Speed meters for motor vehicle	2008.10.01	75/443/EEC
2	GB 4094-1999	Motor vehicles--Symbols for controls, indicators and tell-tales	2000.07.01	93/91/EEC & 78/316/EEC To be revised
3	GB 15742-2001	Performance requirements and test	2001.10.01	ECE R28

No.	Code	Name	Enforcement date	Remarks
		methods of horn for motor vehicles		Revised and under approval
4	GB 15741-1995	The license plates (brackets) and its position on motor vehicles and trailer	1997.01.01	70/222/EEC
<b>General Safety-Structure and Anti-theft</b>				
1	GB 1589-2004	Limits of dimensions, axle load and masses for road vehicles	2004.10.01	
2	GB 7258-2004	Safety specifications for power-driven vehicles operating on roads	2004.10.01	Being revised
3	GB 11568-2011	Motor vehicles--Hood latch system	2012.01.01	FMVSS-113 Revised and under approval
4	GB 15740-2006	Protective devices against unauthorized use of motor vehicles	2007.09.01	ECE R18
5	GB 20912-2007	Vaporizer /pressure regulator of LPG vehicle	2007.11.01	ECE R67
6	GB 16735-2004	Road vehicle--Vehicle identification number (VIN)	2004.10.01	ISO 3779
7	GB 16737-2004	Road vehicle--World manufacturer identifier(WMI)code	2004.09.01	ISO 3780
<b>Environmental Protection and Energy Conservation-Exhasut Pollutant</b>				
1	GB 18352.3-2005	Limits and measurement methods for emissions from light-duty vehicles	China Phase III: 2007.07.01	98/69/EC
			China Phase IV: 2010.07.01	
2	GB 17691-2005	Limits and measurement methods for exhaust pollutants from compression ignition and gas fuelled positive ignition engines of vehicles (III, IV, V)	2007.01.01	99/96/EC
3	GB 3847-2005	Limits and measurement methods for exhaust smoke from C.I.E.	2005.07.01	ECE R24

No.	Code	Name	Enforcement date	Remarks
		(Compression Ignition Engine) and vehicle equipped with C.I.E.		
5	GB 18285-2005	Limits and measurement methods for exhaust pollutants from vehicles equipped ignition engine under two-speed idle conditions and simple driving mode conditions	2005.07.01	
6	GB 14763-2005	Limits and measurement methods for fuel evaporative Pollutants from heavy-duty vehicles equipped with P.I engines(Trap method)	2005.07.01	
7	GB 11340-2005	Limits and measurement methods for crankcase pollutants From heavy-duty vehicles equipped with P.I engines	2005.07.01	
8	GB 20890-2007	Test procedures and requirement of durability of emission control systems for heavy-duty vehicles	2007.10.01	
<b>Environmental Protection and Energy Conservation-Noise</b>				
1	GB 1495-2002	Limits and measurement methods for noise emitted by accelerating motor vehicles	2002.10.01	ECE R51 Being revised
<b>Environmental Protection and Energy Conservation-Fuel Economy</b>				
1	GB 19578-2004	Limits of fuel consumption for passenger cars	2005.07.01	
2	GB 22757-2008	Fuel consumption label for light vehicle	2009.07.01	
<b>Environmental Protection and Energy Conservation-EMC</b>				
1	GB 14023-2011	Vehicles, boats, and internal combustion engine driven devices—Radio disturbance characteristics—Limits and methods of measurement	2012.01.01	CISPR 12
2	GB 18655-2002	Limits and methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicles	2003.03.01	CISPR 25

## Annex List of ECE Regulations accepted or adopted

### Country : Hong Kong (China)

ECE No.	Implementation		Year	Implementation details		Remark
	Accept + Refer	Accept		For new type of vehicle	For new vehicle	
All UN/ECE regulations		✓	2005		M/N/O/L Vehicles	In general, UN/ECE certificates or manufacturer's declaration of compliance is accepted in the type approval application.
R39 (speedometer)	✓		2008		All vehicles	
R43 (safety glazing)	✓		1997		All vehicles	
R14 R16 R17 R52	✓		--		All vehicles	
R80 R118	✓		2009	School service vehicle and public light buses		
R48, R53 and all ECE regulations relevant to lamps, reflectors and markings	✓		Tentative by mid 2012		All vehicles	Legislative amendment in progress
R11 (door latch)	✓		Tentative by mid 2012	All vehicles except light bus and bus		Legislative amendment in progress
R89 (speed limitation device)	✓		Tentative 2011	Public Light Bus Only		Legislative amendment in progress
R13, R13H (brake)	✓		Tentative 2013		All vehicles	Legislative amendment in progress
R94 R95	✓		Tentative 2013	New private car (M1 vehicle) only		Legislative amendment in progress

# Regulation list of M1 (Passenger vehicle) for vehicle type approval

Country : Ministry of Public Works and Transport, LAO P.D.R

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS			X						
4	REAR REGISTRATION PLATE LAMPS			X						
6	DIRECTION INDICATORS			X						
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS			X						
10	ELECTROMAGNETIC COMPATIBILITY			X						
11	DOOR LATCHES & HINGES			X						
13H	BRAKING (M1,N1)			X						
14	SAFETY BELT ANCHORAGES			X						
16	SAFETY BELTS			X						
17	SEATS			X						
19	FRONT FOG LAMPS			X						
21	INTERIOR FITTINGS			X						
23	REVERSING LAMPS			X						
26	EXTERNAL PROJECTIONS			X						
28	AUDIBLE WARNING DEVICES			X						
30	PNEUMATIC TYRES (PASSENGER VEHICLE)			X						
34	PREVENTION OF FIRE RISKS			X						
37	FILAMENT LAMPS			X						
38	REAR FOG LAMPS			X						
39	SPEEDOMETER			X						
43	SAFETY GLAZING MATERIALS			X						
44	CHILD RESTRAINT SYSTEMS			X						
45	HEADLAMPS CLEANERS			X						
46	REAR-VIEW MIRRORS			X						
48	INSTALLATION OF LIGHTS			X						
51	NOISE			X						
55	MECHANICAL COUPLING			X						
64	TEMPORARY-USE SPARE WHEELS/TYRES			X						
77	PARKING LAMPS			X						
79	STEERING EQUIPMENT			X						
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS			X						

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
85	MEASUREMENT OF ENGINE POWER			X						
89	SPEED LIMITATION DEVICES			X						
91	SIDE-MARKER LAMPS			X						
94	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A FRONTAL COLLISION			X						
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION			X						
98	GAS-DISCHARGE HEADLAMPS			X						
99	GAS-DISCHARGE LIGHT SOURCES			X						
100	BATTERY ELECTRIC VEHICLES			X						
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)			X						
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)			X						
116	PROTECTION AGAINST UNAUTHORIZED USE			X						
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS			X						
119	CORNERING LAMPS			X						
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS			X						
123	ADAPTIVE FRONT – LIGHTING SYSTEMS			X						
125	THE FORWARD FIELD OF VISION			X						

**“Adopt” means “use the UN/ECE certificate for the vehicle (component) type approval / mutual recognition systems as the Contracting Party of the 1958”.**

**“Accept” means “use the UN/ECE certificate for your approval” or “use the UN/ECE certificate for your test result even without adoption of UN/ECE regulations under the Contracting Party of 1958 Agreement”.**

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## Regulation list of N1 (Light duty track) for vehicle type approval

Country : Ministry of Public Works and Transport, LAO P.D.R

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS			X						
4	REAR REGISTRATION PLATE LAMPS			X						
6	DIRECTION INDICATORS			X						
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS			X						
10	ELECTROMAGNETIC COMPATIBILITY			X						
11	DOOR LATCHES & HINGES			X						
13	BRAKING (N, M2, M3, O)			X						
13H	BRAKING (M1,N1)			X						
14	SAFETY BELT ANCHORAGES			X						
16	SAFETY BELTS			X						
17	SEATS			X						
19	FRONT FOG LAMPS			X						
21	INTERIOR FITTINGS			X						
23	REVERSING LAMPS			X						
28	AUDIBLE WARNING DEVICES			X						
34	PREVENTION OF FIRE RISKS			X						
37	FILAMENT LAMPS			X						
38	REAR FOG LAMPS			X						
39	SPEEDOMETER			X						
43	SAFETY GLAZING MATERIALS			X						
44	CHILD RESTRAINT SYSTEMS			X						
45	HEADLAMPS CLEANERS			X						
46	REAR-VIEW MIRRORS			X						
48	INSTALLATION OF LIGHTS			X						
51	NOISE			X						
54	PNEUMATIC TYRES (COMMERCIAL VEHICLE)			X						
61	EXTERNAL PROJECTIONS (COMMERCIAL VEHICLE)			X						
77	PARKING LAMPS			X						
79	STEERING EQUIPMENT			X						
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS			X						
85	MEASUREMENT OF ENGINE POWER			X						

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
89	SPEED LIMITATION DEVICES			X						
91	SIDE-MARKER LAMPS			X						
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION			X						
98	GAS-DISCHARGE HEADLAMPS			X						
99	GAS-DISCHARGE LIGHT SOURCES			X						
100	BATTERY ELECTRIC VEHICLES			X						
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)			X						
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)			X						
116	PROTECTION AGAINST UNAUTHORIZED USE			X						
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS			X						
119	CORNERING LAMPS			X						
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS			X						
123	ADAPTIVE FRONT –LIGHTING SYSTEMS			X						

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## Regulation list of L (Motorcycle) for vehicle type approval

Country : Ministry of Public Works and Transport, LAO P.D.R

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS			X						
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS			X						
9	NOISE (THREE-WHEELED VEHICLES)			X						
10	ELECTROMAGNETIC COMPATIBILITY			X						
28	AUDIBLE WARNING DEVICES			X						
37	FILAMENT LAMPS			X						
39	SPEEDOMETER			X						
40	EXHAUST EMISSION (MOTOR CYCLE)			X						
41	NOISE (MOTOR CYCLE)			X						
46	REAR-VIEW MIRRORS			X						
47	EXHAUST EMISSION (MOPED)			X						
50	LIGHTS (MOPED, MOTOR CYCLE)			X						
53	INSTALLATION OF LIGHTS (MOTOR CYCLE)			X						
60	DRIVER OPERATED CONTROLS (MOPED, MOTOR CYCLE)			X						
62	PROTECTION AGAINST UNAUTHORIZED USE (MOTOR CYCLE)			X						
63	NOISE (MOPED)			X						
74	INSTALLATION OF LIGHTS (MOPED)			X						
75	PNEUMATIC TYRES (MOPED, MOTOR CYCLE)			X						
78	BRAKING (CATEGORY L)			X						
81	REAR-VIEW MIRRORS (MOTOR CYCLE)			X						
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)			X						
113	HEADLAMPS (WITH A SYMMETRICAL PASSING BEAM)			X						

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## Regulation list of M1(Passenger vehicle) for vehicle type approval

### Economy :

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS		x		1-Jan-12			JPJ		
4	REAR REGISTRATION PLATE LAMPS		x		1-Jan-15			JPJ		
6	DIRECTION INDICATORS		x		1-Jan-12			JPJ		
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS		x		1-Jan-12			JPJ		
10	ELECTROMAGNETIC COMPATIBILITY		x		1-Jan-15			JPJ		
11	DOOR LATCHES & HINGES		x		1-Jan-15			JPJ		
13H	BRAKING (M1,N1)		x		1-Jan-12			JPJ		
14	SAFETY BELT ANCHORAGES		x		1-Jan-12			JPJ		
16	SAFETY BELTS	x			1-Jan-12			JPJ		
17	SEATS		x		1-Jan-12			JPJ		
19	FRONT FOG LAMPS		x		1-Jan-15			JPJ		
21	INTERIOR FITTINGS		x		1-Jan-15			JPJ		
23	REVERSING LAMPS		x		1-Jan-15			JPJ		
26	EXTERNAL PROJECTIONS		x		1-Jan-15			JPJ		
28	AUDIBLE WARNING DEVICES		x		1-Jan-12			JPJ		
30	PNEUMATIC TYRES (PASSENGER VEHICLE)	x			1-Jan-12			JPJ		
34	PREVENTION OF FIRE RISKS		x		1-Jan-15			JPJ		
37	FILAMENT LAMPS		x		1-Jan-15			JPJ		
38	REAR FOG LAMPS		x		1-Jan-15			JPJ		
39	SPEEDOMETER		x		1-Jan-12			JPJ		
43	SAFETY GLAZING MATERIALS		x		1-Jan-12			JPJ		70% VLT
44	CHILD RESTRAINT SYSTEMS		x		1-Jan-15			JPJ		
45	HEADLAMPS CLEANERS		x		1-Jan-15			JPJ		
46	REAR-VIEW MIRRORS		x		1-Jan-12			JPJ		
48	INSTALLATION OF LIGHTS	x			1-Jan-12			JPJ		HID
51	NOISE		x		1-Jan-12			JPJ		
55	MECHANICAL COUPLING		x		1-Jan-15			JPJ		
64	TEMPORARY-USE SPARE WHEELS/TYRES		x		1-Jan-15			JPJ		
77	PARKING LAMPS		x		1-Jan-15			JPJ		
79	STEERING EQUIPMENT		x		1-Jan-12			JPJ		
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS		x		1-Jan-12			JPJ		

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
85	MEASUREMENT OF ENGINE POWER		x					JPJ		
89	SPEED LIMITATION DEVICES		x		1-Jan-15			JPJ		
91	SIDE-MARKER LAMPS		x		1-Jan-15			JPJ		
94	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A FRONTAL COLLISION		x		1-Jan-12			JPJ		
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION		x		1-Jan-12			JPJ		ANNOUNCEMENT
98	GAS-DISCHARGE HEADLAMPS	x			1-Jan-12			JPJ		
99	GAS-DISCHARGE LIGHT SOURCES	x			1-Jan-12			JPJ		
100	BATTERY ELECTRIC VEHICLES		x		1-Jan-12			JPJ		
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)		x		1-Jan-15			JPJ		
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		x		1-Jan-12			JPJ		
116	PROTECTION AGAINST UNAUTHORIZED USE		x		7-Apr-10			JPJ		
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS		x		1-Jan-15			JPJ		
119	CORNERING LAMPS		x		1-Jan-15			JPJ		
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS		x		1-Jan-15			JPJ		
123	ADAPTIVE FRONT – LIGHTING SYSTEMS		x					JPJ		
125	THE FORWARD FIELD OF VISION		x					JPJ		

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# Regulation list of N1(Light duty track) for vehicle type approval

## Economy :

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Imprementation/plan method			Imprementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS		X		1-Jan-12					
4	REAR REGISTRATION PLATE LAMPS		X		1-Jan-15					
6	DIRECTION INDICATORS		X		1-Jan-12					
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS		X		1-Jan-12					
10	ELECTROMAGNETIC COMPATIBILITY		X		1-Jan-15					
11	DOOR LATCHES & HINGES		X		1-Jan-15					
13	BRAKING (N, M2, M3, O)		X		1-Jan-12					
13H	BRAKING (M1,N1)		X		1-Jan-12					
14	SAFETY BELT ANCHORAGES		X		1-Jan-12					
16	SAFETY BELTS	X			1-Jan-12					
17	SEATS		X		1-Jan-12					
19	FRONT FOG LAMPS		X		1-Jan-15					
21	INTERIOR FITTINGS		X		1-Jan-15					
23	REVERSING LAMPS		X		1-Jan-15					
28	AUDIBLE WARNING DEVICES		X		1-Jan-12					
34	PREVENTION OF FIRE RISKS		X		1-Jan-15					
37	FILAMENT LAMPS		X		1-Jan-15					
38	REAR FOG LAMPS		X		1-Jan-15					
39	SPEEDOMETER		X		1-Jan-12					
43	SAFETY GLAZING MATERIALS		X		1-Jan-12					70% VLT
44	CHILD RESTRAINT SYSTEMS		X		1-Jan-15					
45	HEADLAMPS CLEANERS		X		1-Jan-15					
46	REAR-VIEW MIRRORS		X		1-Jan-12					
48	INSTALLATION OF LIGHTS	X			1-Jan-12					HID
51	NOISE		X		1-Jan-12					
54	PNEUMATIC TYRES (COMMERCIAL VEHICLE)	X			1-Jan-12					
61	EXTERNAL PROJECTIONS (COMMERCIAL VEHICLE)		X		1-Jan-15					
77	PARKING LAMPS		X		1-Jan-15					
79	STEERING EQUIPMENT		X		1-Jan-12					
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS		X		1-Jan-12					
85	MEASUREMENT OF ENGINE POWER		X							

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
89	SPEED LIMITATION DEVICES		X		1-Jan-15					
91	SIDE-MARKER LAMPS		X		1-Jan-15					
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION		X		1-Jan-12					PENDING
98	GAS-DISCHARGE HEADLAMPS	X			1-Jan-12					
99	GAS-DISCHARGE LIGHT SOURCES	X			1-Jan-12					
100	BATTERY ELECTRIC VEHICLES		X		1-Jan-12					
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)		X		1-Jan-15					
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		X		1-Jan-12					
116	PROTECTION AGAINST UNAUTHORIZED USE	X			7-Apr-10					
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS		X		1-Jan-15					
119	CORNERING LAMPS		X		1-Jan-15					
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS		X							
123	ADAPTIVE FRONT –LIGHTING SYSTEMS		X							

**“Adopt” means “use the UN/ECE certificate for the vehicle (component) type approval / mutual recognition systems as the Contracting Party of the 1958”.**

**“Accept” means “use the UN/ECE certificate for your approval” or “use the UN/ECE certificate for your test result even without adoption of UN/ECE regulations under the Contracting Party of 1958 Agreement”.**

**“Refer” means “introducing the technical requirements of the UN/ECE regulations into your own country laws or/and regulations sometimes adding or changing some of them.”**

## Regulation list of L(Motorcycle) for vehicle type approval

Economy :

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS		X		1-Jan-12					
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS		X		1-Jan-12					
9	NOISE (THREE-WHEELED VEHICLES)		X							
10	ELECTROMAGNETIC COMPATIBILITY		X		1-Jan-15					
28	AUDIBLE WARNING DEVICES		X		1-Jan-12					
37	FILAMENT LAMPS		X		1-Jan-15					
39	SPEEDOMETER		X		1-Jan-12					
40	EXHAUST EMISSION (MOTOR CYCLE)		X		1-Jan-12					
41	NOISE (MOTOR CYCLE)		X		1-Jan-12					
46	REAR-VIEW MIRRORS		X		1-Jan-12					
47	EXHAUST EMISSION (MOPED)		X							
50	LIGHTS (MOPED, MOTOR CYCLE)		X		1-Jan-12					
53	INSTALLATION OF LIGHTS (MOTOR CYCLE)		X		1-Jan-12					
60	DRIVER OPERATED CONTROLS (MOPED, MOTOR CYCLE)		X		1-Jan-12					
62	PROTECTION AGAINST UNAUTHORIZED USE (MOTOR CYCLE)		X		7-Apr-10					
63	NOISE (MOPED)		X							
74	INSTALLATION OF LIGHTS (MOPED)		X							
75	PNEUMATIC TYRES (MOPED, MOTOR CYCLE)		X		1-Jan-12					
78	BRAKING (CATEGORY L)		X		1-Jan-12					
81	REAR-VIEW MIRRORS (MOTOR CYCLE)		X		1-Jan-12					
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		X		1-Jan-12					
113	HEADLAMPS (WITH A SYMMETRICAL PASSING BEAM)		X		1-Jan-12					

**"Adopt"** means "use the UN/ECE certificate for the vehicle (component) type approval / mutual recognition systems as the Contracting Party of the 1958".

**"Accept"** means "use the UN/ECE certificate for your approval" or "use the UN/ECE certificate for your test result even without adoption of UN/ECE regulations under the Contracting Party of 1958 Agreement".

**"Refer"** means "introducing the technical requirements of the UN/ECE regulations into your own country laws or/and regulations sometimes adding or changing some of them."

# Regulation list of M1(Passenger vehicle) for vehicle type approval

Country : Viet Nam

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technicle Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS									
4	REAR REGISTRATION PLATE LAMPS									
6	DIRECTION INDICATORS									
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS									
10	ELECTROMAGNETIC COMPATIBILITY									
11	DOOR LATCHES & HINGES									
13H	BRAKING (M1,N1)		x (1)	x	2015 (ASEAN plan)			Vietnam Register	VMTC	(1) For imported vehicle
14	SAFETY BELT ANCHORAGES		x (1)	x	2015 (ASEAN plan)			Vietnam Register	VMTC	
16	SAFETY BELTS		x (2)	x	2015 (ASEAN plan)			Vietnam Register	VMTC	(2) For imported component
17	SEATS		x (1)	x	2015 (ASEAN plan)			Vietnam Register	VMTC	
19	FRONT FOG LAMPS									
21	INTERIOR FITTINGS									
23	REVERSING LAMPS									
26	EXTERNAL PROJECTIONS									
28	AUDIBLE WARNING DEVICES									
30	PNEUMATIC TYRES (PASSENGER VEHICLE)		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	
34	PREVENTION OF FIRE RISKS									
37	FILAMENT LAMPS									
38	REAR FOG LAMPS									
39	SPEEDOMETER									
43	SAFETY GLAZING MATERIALS		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	
44	CHILD RESTRAINT SYSTEMS									
45	HEADLAMPS CLEANERS									
46	REAR-VIEW MIRRORS		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	
48	INSTALLATION OF LIGHTS									
51	NOISE		x (1)	x	2015 (ASEAN plan)			Vietnam Register	VMTC	
55	MECHANICAL COUPLING									
64	TEMPORARY-USE SPARE WHEELS/TYRES									
77	PARKING LAMPS									
79	STEERING EQUIPMENT		x (1)	x	2015 (ASEAN plan)			Vietnam Register	VMTC	
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS		x (1)	x	azeted in 2005 (Euro	2007	2009	Vietnam Register	NETC	

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technicle Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
85	MEASUREMENT OF ENGINE POWER									
89	SPEED LIMITATION DEVICES									
91	SIDE-MARKER LAMPS									
94	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A FRONTAL COLLISION									
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION									
98	GAS-DISCHARGE HEADLAMPS									
99	GAS-DISCHARGE LIGHT SOURCES									
100	BATTERY ELECTRIC VEHICLES									
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)									
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING)		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	
116	PROTECTION AGAINST UNAUTHORIZED USE									
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS									
119	CORNERING LAMPS									
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS									
123	ADAPTIVE FRONT-LIGHTING SYSTEMS									
125	THE FORWARD FIELD OF VISION									

**"Adopt" means "use the UN/ECE certificate for the vehicle (component) type approval / mutual recognition systems as the Contracting Party of the 1958".**

**"Accept" means "use the UN/ECE certificate for your approval" or "use the UN/ECE certificate for your test result even without adoption of UN/ECE regulations under the Contracting Party of 1958 Agreement".**

**"Refer" means "introducing the technical requirements of the UN/ECE regulations into your own country laws or/and regulations sometimes adding or changing some of them."**



ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Techni cle Services	remark
		Adopt	Accept	Refer		for new type of vehicle(y ear)	for new vehicle( year)			
89	SPEED LIMITATION DEVICES									
91	SIDE-MARKER LAMPS									
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION									
98	GAS-DISCHARGE HEADLAMPS									
99	GAS-DISCHARGE LIGHT SOURCES									
100	BATTERY ELECTRIC VEHICLES									
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)									
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	
116	PROTECTION AGAINST UNAUTHORIZED USE									
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS									
119	CORNERING LAMPS									
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS									
123	ADAPTIVE FRONT-LIGHTING SYSTEMS									

**“Adopt” means “use the UN/ECE certificate for the vehicle (component) type approval / mutual recognition systems as the Contracting Party of the 1958”.**

**“Accept” means “use the UN/ECE certificate for your approval” or “use the UN/ECE certificate for your test result even without adoption of UN/ECE regulations under the Contracting Party of 1958 Agreement”.**

**“Refer” means “introducing the technical requirements of the UN/ECE regulations into your own country laws or/and regulations sometimes adding or changing some of them.”**

## Regulation list of L(Motorcycle) for vehicle type approval

Country : Vietnam

#Please enter 'x' mark in the corresponding column with reference to a question 2-4-1.

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Techni cle Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
3	REFLEX REFLECTORS									
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS									
9	NOISE (THREE-WHEELED VEHICLES)									
10	ELECTROMAGNETIC COMPATIBILITY									
28	AUDIBLE WARNING DEVICES									
37	FILAMENT LAMPS									
39	SPEEDOMETER		x(2)	x	2002	2002	2003	Vietnam Register	VMTC	
40	EXHAUST EMISSION (MOTOR CYCLE)		x(1)	x	2015 (ASEAN plan)			Vietnam Register	NETC	
41	NOISE (MOTOR CYCLE)									
46	REAR-VIEW MIRRORS									
47	EXHAUST EMISSION (MOPED)		x(1)	x	2015 (ASEAN plan)			Vietnam Register	NETC	
50	LIGHTS (MOPED, MOTOR CYCLE)									
53	INSTALLATION OF LIGHTS (MOTOR CYCLE)									
60	DRIVER OPERATED CONTROLS (MOPED, MOTOR CYCLE)		x(1)	x	2002	2002	2003	Vietnam Register	VMTC	
62	PROTECTION AGAINST UNAUTHORIZED USE (MOTOR CYCLE)									
63	NOISE (MOPED)									
74	INSTALLATION OF LIGHTS (MOPED)									
75	PNEUMATIC TYRES (MOPED, MOTOR CYCLE)				2002	2002	2003			
78	BRAKING (CATEGORY L)									
81	REAR-VIEW MIRRORS (MOTOR CYCLE)		x(2)	x	2002	2002	2003	Vietnam Register	VMTC	
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	
113	HEADLAMPS (WITH A SYMMETRICAL PASSING BEAM)		x(2)	x	2011	2013	2015	Vietnam Register	VMTC	

**"Adopt"** means "use the UN/ECE certificate for the vehicle (component) type approval / mutual recognition systems as the Contracting Party of the 1958".

**"Accept"** means "use the UN/ECE certificate for your approval" or "use the UN/ECE certificate for your test result even without adoption of UN/ECE regulations under the Contracting Party of 1958 Agreement".

*The 16<sup>th</sup> G/I Meeting*

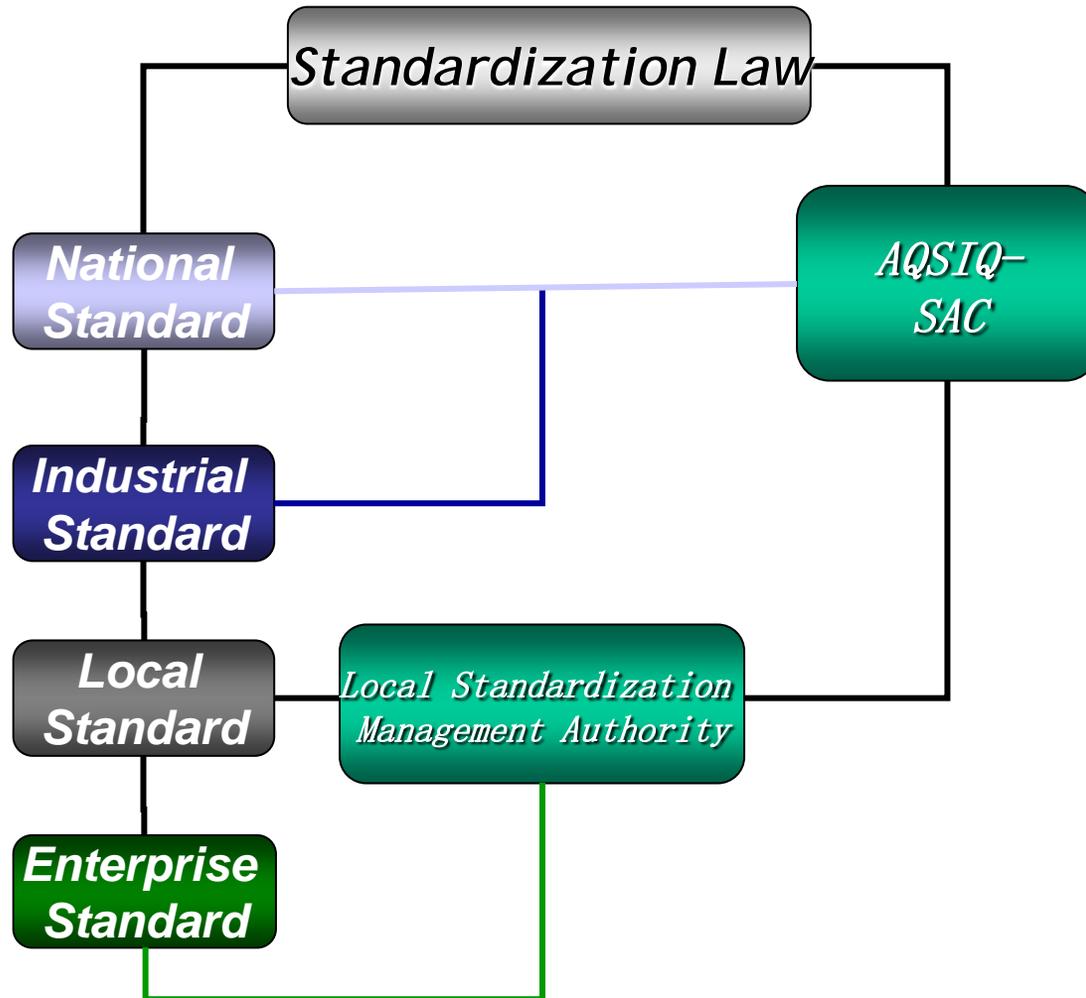
# ***AUTO STANDARDIZATION IN CHINA***

China Automotive Technology & Research  
Center

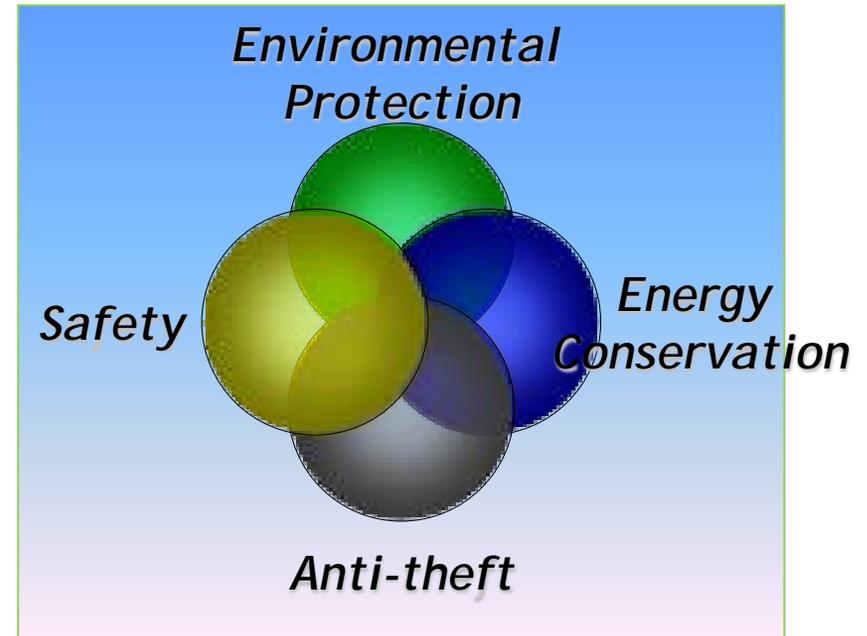
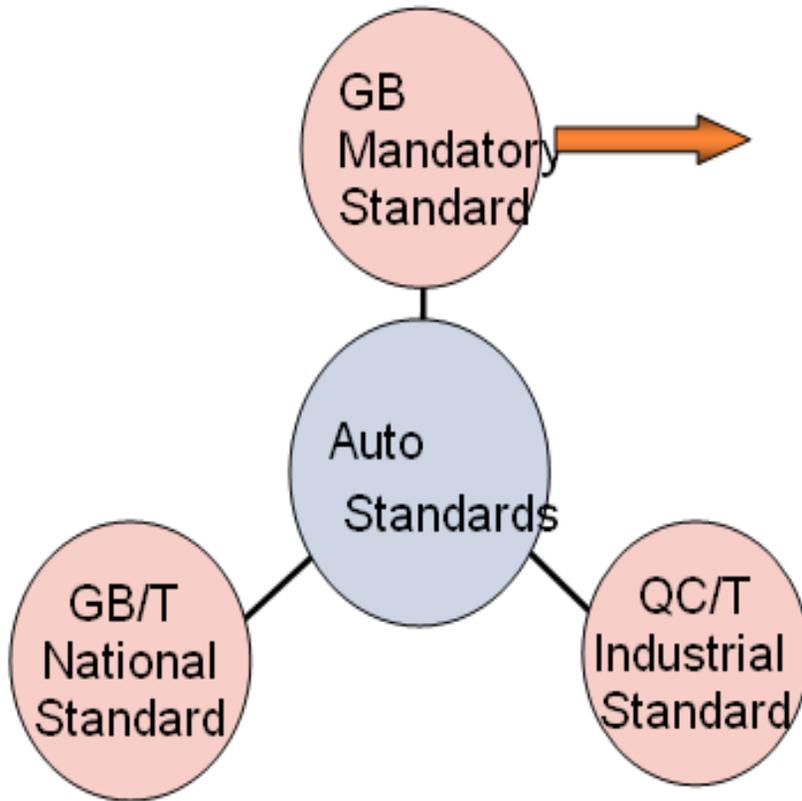
**Xuan Yi**



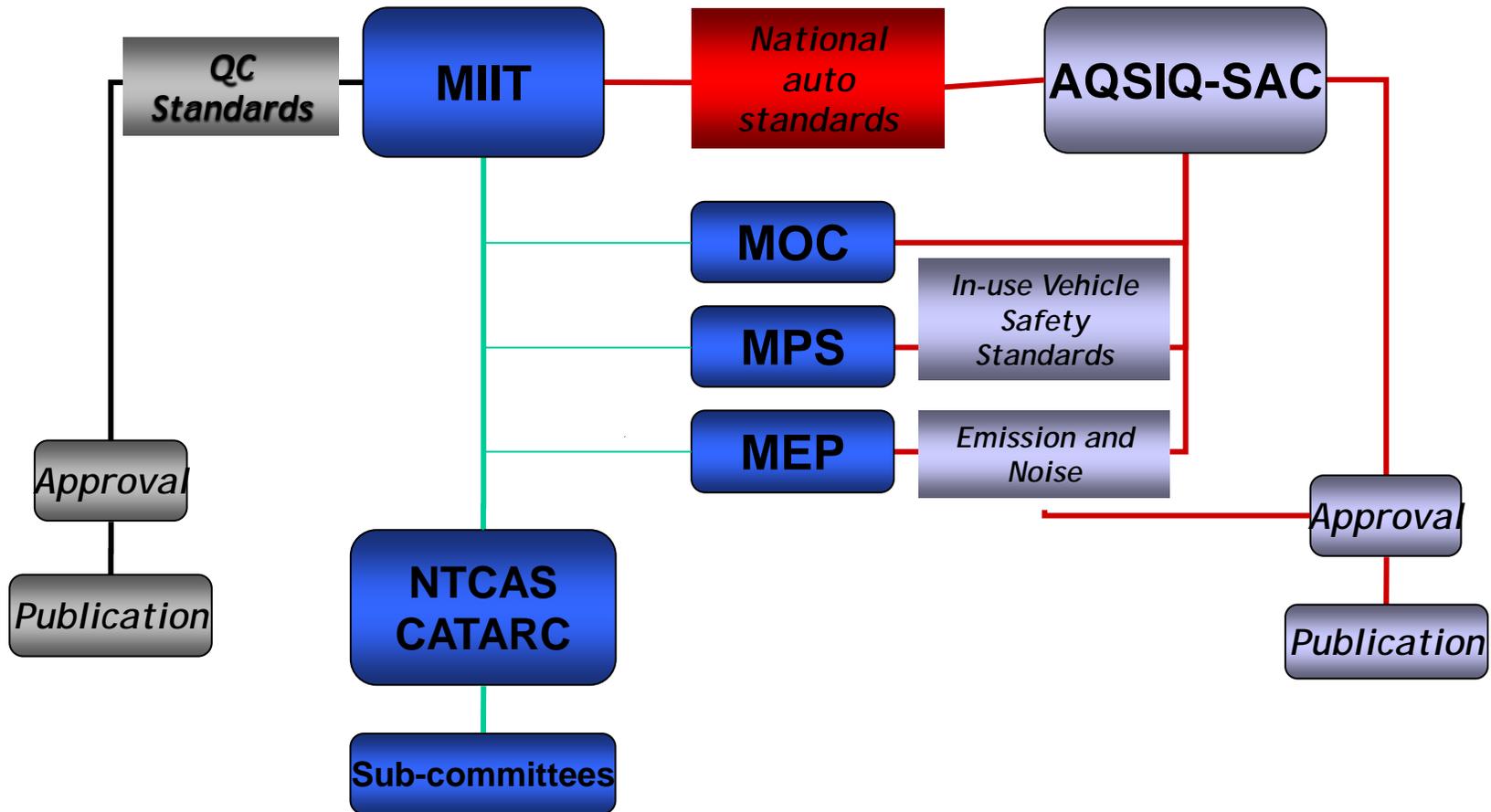
# *Standard System in China*



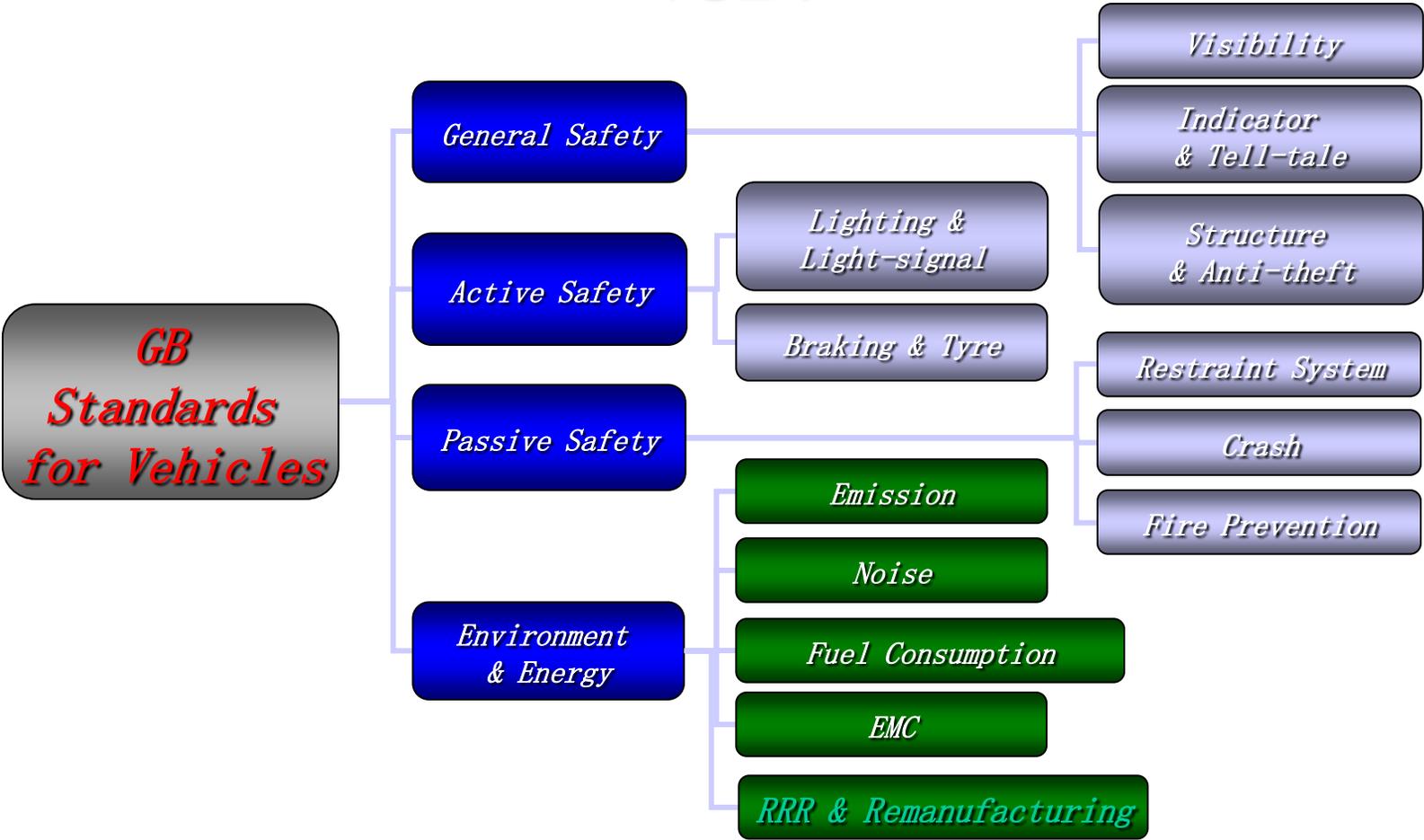
# Composition of Auto-related Standards



# Development of Auto-related Standards



# Chinese Automotive Mandatory Standards (GB)



# *Development of Auto-related Standards*

Up to now

- Mandatory national standards (GB):110
- Recommended national standards (GB/T):243
- Automotive industry standards (QC/T):673

# *Development of Market Access in China*

- **The MIIT undertake the administrative function on automotive industry.**
- **Auto Catalogue administration began at 1995.**
- **Auto Catalogue change to Government Gazette at 2001.**
- **Motor vehicle must comply with 99 mandatory standards by 2011 .**

# *Development of Market Access in China*

- The focus of the government changed from whole vehicle production to COP.
- The endurance of its whole vehicle and other aspects will be self-managing by manufacturer.

# *WP 29 Participation*

- Started participation of WP29 Activities in 1996
- Acceded to 1998 Agreement in 2000
- C-WP29 committee
  - Administrative committee
  - Expert working groups
- Continuous overall participation of WP29 activities

*Thank you!*



# Status & Plan of Vehicle Regulations Harmonization In KOREA

2011. 11. 24

Ministry of Land, Transport and Maritime Affairs  
Korea Automobile Testing and Research Institute

# 1. Decision Making System

Improve vehicle Safety,  
Facilitate trade

MLTM

(vehicle management. Div)

MOE, MKE

- UN ECE WP29
- WTO TBT
- APEC/TPT-WG/VSHG

Institutes  
(KATRI)

Technical  
support`

Interested parties  
[KAMA, KAIDA, NGO)

Solicit opinions

# 2. Accession of Agreements

## ● 1958 Agreement

- Contracting parties : 49 countries
- ECE Regulations : 126
- Accession Date : 2004.12.31
- Approval Mark : **E51**

## ● 1998 Agreement(Global Technical Regulation)

- Contracting Parties : 31 countries
- GTR : 11
- Accession Date : 2001. 1. 1

# 3. Status of Harmonization

## Summary of Harmonized Regulations

Year	No. of GTR	No. of ECE Regulation
2006	1	2
2008	2	7
2009	-	2
2010	3	9
2011	-	1
Total	6	21

# 3. Status of Harmonization

## ● Harmonized regulations

Year	GTR	ECE Regulation
2006	<ul style="list-style-type: none"> <li>- GTR No. 1 : Door locks &amp; retention</li> </ul>	<ul style="list-style-type: none"> <li>- R13H : Passenger vehicle brake</li> <li>- R19 : Front fog lamp</li> </ul>
2008	<ul style="list-style-type: none"> <li>- GTR No. 3 : Motorcycle brake</li> <li>- GTR No. 9 : Pedestrian safety</li> </ul>	<ul style="list-style-type: none"> <li>- R14 : Safety belt anchorages</li> <li>- R53 : Motorcycle installation</li> <li>- R57 : Motorcycle headlamp</li> <li>- R107 : Safety Inclination angle</li> <li>- R39 : Speedometer</li> <li>- R95 : Side Collision</li> <li>- R123 : Semi-AFLS</li> </ul>
2009	-	<ul style="list-style-type: none"> <li>- R48 : Hazard warning signal</li> <li>- R73 : Lateral Protection</li> </ul>

# 3. Status of Harmonization

## ● Harmonized regulations

Year	GTR	ECE Regulation
2010	<ul style="list-style-type: none"><li>- GTR No. 6 : Safety glazing</li><li>- GTR No. 7 : Head restraint</li><li>- GTR No. 8 : ESC</li></ul>	<ul style="list-style-type: none"><li>- R6 : Side direction indicator</li><li>- R10 : EMC</li><li>- R13 : Spring brake</li><li>- R46 : Rear view mirror</li><li>- R79 : Steering equipment</li><li>- R87 : DRL</li><li>- R112: Asymmetric headlamps</li><li>- R123 : Full AFLS</li><li>- R125 : Field of Vision</li></ul>
2011		<ul style="list-style-type: none"><li>- R64 : TPMS</li></ul>

# 3. Status of Harmonization

## ● Regulations under study

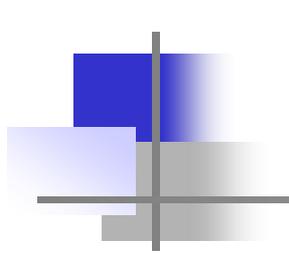
Year	Regulations
2011	<ul style="list-style-type: none"><li>- overrun braking system (R.13)</li><li>- Interior fitting(Windshield) (R.21)</li><li>- Coupling (R.55)</li><li>- Seat (R107)</li><li>- Cornering lamps(R.119)</li><li>- Retro-reflector(R.3,4)</li><li>- Fog lamps, Reversing lamps, Front &amp; Rear Position lamps, License plate lamps, direction indicator, Hazard warning signal(R.48,19,38,23,7,4,6)</li></ul>

## ● GTR under Study (2011)

- WorldSID (Dummy)
- Pole Side Impact
- RESS (Rechargeable Energy Storage System)

## 4. Plan of Harmonization

- Plan to study and harmonize
  - about 6 regulations per year
- Harmonization plan under Kor-EU FTA (2011.7.1)
  - equivalency(32 regulations)
  - harmonization(29 reg.) : within 5 yrs after FTA in effect
  - maintain KMVSS where no international regulations
    - ※ regulatory convergence where possibility of intl regulations
- Research For GTR



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Thank you for your  
attention  
(Q & A)



# 2<sup>nd</sup> Public and Private Joint Forum (16<sup>th</sup> JASIC Asia Gov./Industry Meeting)



DoT/NRSC Sec.

Jakarta, 23-25 Nov 2011



## Over View on Key Players (x 7):

1. **Ministry of Industry and Commerce/DMS:**
  - Quota/Std. of Motor Veh. and Component.
  - **Commerce Study ⇒ Rep. of Asia Economy.**
2. **Ministry of Public Works and Transport/DoT:**
  - Technical Certificate.
  - → **Mechanical Engineer.**
3. **Ministry of Finance/Dept. of Customs:**
  - Tax.
  - → **Financing/ Accounting.**
4. **Technical Inspection Center:**
  - Veh. Inspection & Registration.
  - → **DPWT (under MPWT).**



## Over View on Key Players (x 7):

### 5. Ministry of Public Security:

- Number Plate.
- → Produce & Rivet.

### 6. Ministry of Energy and Mines.

- Electricity/Petroleum
- → Fuel: Gasoline and Diesel Spec.

### 7. Ministry of Science and Technology (new):

- Nation Std Council.



## Vehicle Standard:

### National Standard Council/MST establish:

- National Technical Committee for Motor Vehicle Products.
- 110/MST.NSC, dated 26/4/2011.

### NOTE:

Headed by Division Level,  
Boarded by 6 sectors (inclu. car dealers),



## Problem Encounter:

- Lao has joined ASEAN since 1997.
- Each Ministry has its own agenda.
- Lack of a thorough understanding on:
  1. 1958 Agreement,
  2. 1998 Agreement,
  3. WP29,
  4. UNECÉ Regulation (x126),
  5. Mutual Recognition Agreement on Type Approval for Automotive Products,
  6. Concept of International Whole Vehicle Type Approval,
  7. Concept of Approval Authority and Technical Service. **DoT need to do sth. on this regards.**



## DoT and NRSC Sec. Involvement:

- NRSC Chaired by Deputy Prime Minister.
- Boarded by 6 Ministries (Minister and Vice Minister level).
- NRSC has its own Structure.
- NRSC has its own RS Strategy and Action Plan.
- NRSC has its own RSF.



# Lao Decade Road Safety Strategy (2011-2020)

1. 50% Reduction of Fatality by year 2020
2. Adaptation of Fatality Rate per 100,000 pop.  
(rather than 10,000 veh.)
3. Extend the Structure of RSC to three levels:  
(L1) NRSC, (L2) PRSC and (L3) DRSC.



# Lao Decade Road Safety Strategy (2011-2020)

## 4. Adaptation of 5 Pillars (Moscow Declaration):

- ⇒ P1: RS Management,
- ⇒ P2: Safer Roads and Mobility,
- ⇒ **P3: Safer Vehicle,**
- ⇒ P4: Safer Road Users
- ⇒ P5: Post-Crash Response



# Lao Road Safety Action Plan (2011-2020)

- **15 Areas:**  
(108 Proj.)
  - ⇒ 1. Coordination & mngmt
  - ⇒ 2. Traffic Accident Data sys.
  - ⇒ 3. Source of funding
  - ⇒ 4. Rd. safety design
  - ⇒ 5. Black spot improvement
  - ⇒ 6. Education
  - ⇒ 7. Driver training & testing
  - ⇒ 8. Public awareness



# Road Safety Action Plan (2011-2020)

- **15 Areas (108 Proj.):**
  - ⇒ **9. Vehicle standard**
  - ⇒ **10. Legislation**
  - ⇒ **11. Enforcement**
  - ⇒ **12. Emergency ser.**
  - ⇒ **13. RS research**
  - ⇒ **14. Acc. costing**
  - ⇒ **15. Partnership**



## What We Have Done During the Past Weeks

- Called for a Technical Meeting on 5 Oct 2011:
  - ⇒ Dept. of Manufacturing Standard/MIC.
  - ⇒ Dept of Treaty and Law/MoFA.
  - ⇒ Dept of Custom/MoF.
  - ⇒ Dept of Energy and Mines.
  - ⇒ Dept. of Production Standard and Metrology/MST.
  - ⇒ Dept. of Investment Promotion/MP
  - ⇒ x9 Motor Vehicle Dealers (VTE cap).



## What the Meeting Has Learnt (1)

JASIC: Japan Automobile  
Standard Internalization Center

ASEAN Secretariat: Association  
of Southeast Asian Nation Sec.



## What the Meeting Has Learnt (2)

- UN/ECE Regulations
- World Forum (WP29) : Harmonization of Vehicle Regulations
- Agreement 1958 and/or 1998



## What the Meeting Has Learnt (3)

- **Adopt**: use UN/ECE Certificate for the Veh/Component TYPE approval/mutual recognition sys as the contracting party of the 1958.
- **Accept**: use the UN/ECE certificate for your approval (or use the UN/ECE certificate for your test result even w/o adoption of UN/ECE Regulation under the contracting party of 1958 agreement)
- **Refer**: introducing the technical requirement of UN/ECE Regulation into your own country laws (can add or change some of them).



## What We Have Decided Upon (1)

### We would REFER to UNECE Regulation:

1. L (Motorcycle; x 22)
2. M1 (Passenger vehicle; x 47)
3. M2 (Bus max. mass  $\leq$  5 tonnes)
4. M3 ( Bus, max. mass  $>$  5 tonnes)
5. N1 (Light duty truck; x 44)
6. N2 (Heavy duty truck max. mass = 3.5-12t)
7. N3 (Heavy duty truck max. mass  $>$  12t)
8. O (TRAILERS INCLUDING SEMITRAILERS)



## What We Have Decided Upon (2)

**Status of Modification/Alignment  
with UNECE Regulation (x19):**

**Ag 5.1 ⇒ Any Version**



## What We Have Decided Upon (3)

# Fuel Properties and Emission:

**Ag. 5.1.2: R40, R49, R83**

We need more time to dialog with concerned authority in details.



## What We Have Decided Upon (4)

# Degree of Alignment

## Ag. 5.1.4: R28 and R39

Any explanations are welcomed. We need to understand more on this issue.



**Your Comments Please**



Thank You

A vibrant field of yellow tulips in full bloom, set against a clear, bright blue sky. The flowers are the central focus, with their petals showing a rich yellow hue and some subtle red streaks. The background is a soft-focus field of more tulips, creating a sense of depth and a cheerful, sunny atmosphere.

**The 16<sup>th</sup> JASIC Asia Government / Industry Meeting**  
**23-25, November 2011**  
**Jakarta, Indonesia**

**Presented by:**

**KHIN MAUNG LIN**  
**CHIEF ENGINEER**  
**ROAD TRANSPORT ADMINISTRATION DEPARTMENT**  
**MINISTRY OF RAIL TRANSPORTATION**

# Development of Vehicle Type Approval System

**Vehicles**

**Inspection**

Myanmar Automobile &  
Diesel Engine Industrial  
(MADI)

MADI  
&  
Road Transport  
Administration  
Department  
(RTAD)

Public Industries  
vehicles

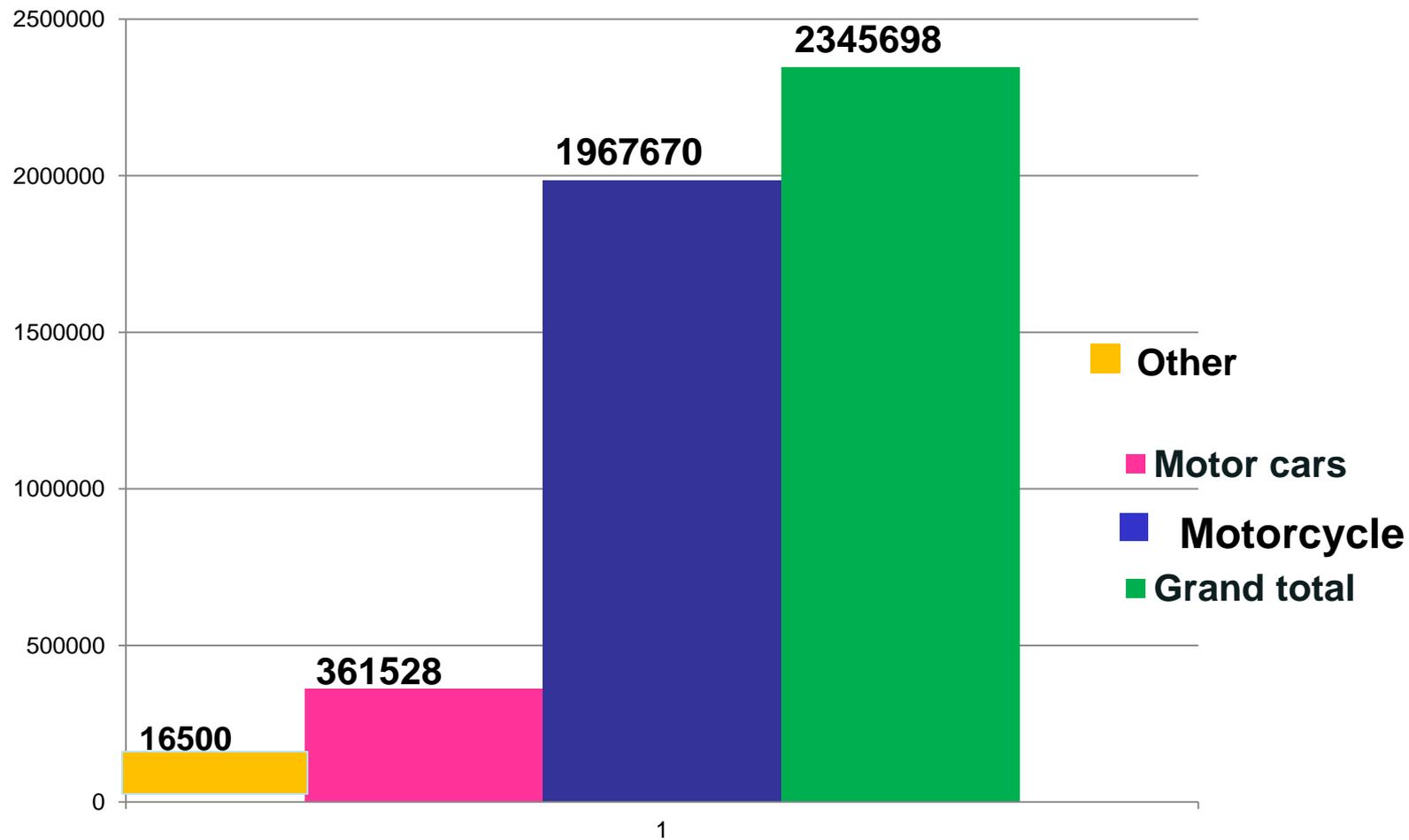
Road Transport  
Administration  
Department  
(RTAD)

Imported vehicles

**All Vehicles  
Register  
at  
RTAD**



# Total registered motor cars in Myanmar as of October 2011

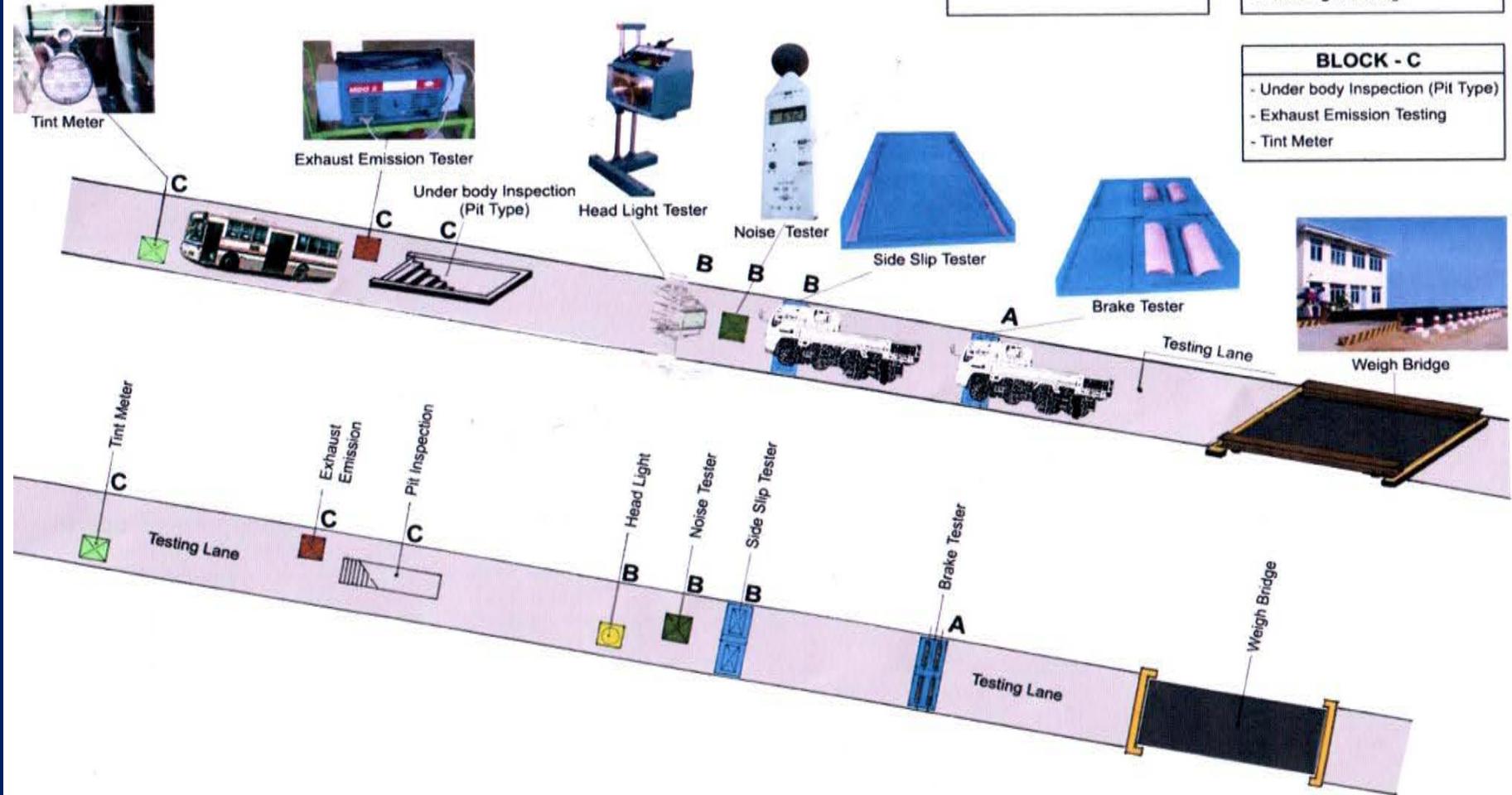


# MOTOR VEHICLE INSPECTION SYSTEM

BLOCK - A
- Brake Inspection

BLOCK - B
- Side Slip Inspection
- Noise Testing
- Head Light Testing

BLOCK - C
- Under body Inspection (Pit Type)
- Exhaust Emission Testing
- Tint Meter



# Development of Vehicle Type Approval System

## Vehicle Inspection

- Brake Tester
- Exhaust Emission Tester
- Head Lamp Tester
- Side Slip Tester
- Noise Tester
- Weight Bridge

Testing Method by Machine

Calculation Analysis

# Development of Vehicle Type Approval System

## Process & Procedure

### Vehicle Inspection

- Applies 1993 Tester's Manual
- Inspection of construction (i.e. inspect length, width, height, ect,.)
- Inspection of devices (devices of general systems)

### Testing Method

- Engine
- Electrical System
- Noise Control
- Emission Control
- Lighting System
- Brake System

# Development of Vehicle Type Approval System

- ❑ Industrial Development Committee, Automobile Industry Development Sub Committee, RTAD under Ministry of Rail Transportation are responsible for regulation setting, inspection and registration of vehicle
- ❑ Although we could not fully establish vehicle type approval system, we refer and apply 1985 Agreement and its amendments in our domestic industry
- ❑ We are planning to access the Agreement by observing and getting experiences on UN/ECE regulations from the Meetings
- ❑ Not being a much vehicle manufacturing country, almost all vehicles are imported and a small amount of vehicle for local use is produced
- ❑ In producing vehicles, the domestic industries import parts and components made from Japan and Europe, the countries which are already accepted and applied the UN/ECE regulations

# Development of Technical Regulations & IWVTA

- ❑ Myanmar participates and attends the Meetings of ACCSQ-APWG, and at that occasions, we inform our current situations and discuss to harmonize with VTA in our country
- ❑ For developing technical regulations & IWVTA in Myanmar, we observe and get experiences of others countries by participating in ASEAN- Japan Government and Industry Annual Meeting
- ❑ Regarding IWVTA, Myanmar needs infrastructure developments, experience and technical know how



**Thank you**



**BRIEFING OF**  
**VEHICLE TYPE APPROVAL SYSTEM**  
**IN MALAYSIA**

**AUTOMOTIVE ENGINEERING DIVISION**  
**ROAD TRANSPORT DEPARTMENT OF MALAYSIA**



# CONTENTS

- Definition
- Responsible Ministry
- UNECE Regulations & Malaysian Standards Implementation
- Vehicle Type Approval System
- Conclusion



# DEFINITION

**Vehicle Type Approval** is a homologation process to confirm production sample of a vehicle design will meet specified standards/regulations before a vehicle registration is allowed in Malaysia. Generally, vehicle type approval consist of component type approval and general requirements compliance.

**COMPONENT TYPE APPROVAL + GENERAL REQUIREMENTS = VEHICLE TYPE APPROVAL**

\***Component Type Approval** is a compliance of a product with specified standards/regulations (Malaysian Standards / UNECE Regulations).

\***General Requirements** are the requirements listed under Road Transport Act 1987 and Road Transport Rules .

# RESPONSIBLE MINISTRY

VEHICLE SAFETY & OTHERS

ENVIRONMENT



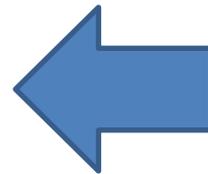
Ministry Of Transport



Ministry Of Natural Resources &  
Environment



Road Transport Department (JPJ)



VTA

# UNECE REGULATIONS / MALAYSIAN STANDARDS IMPLEMENTATION



# VOLUNTARY AND MANDATORY STANDARDS

- Generally, standards that have been established by SIRIM (Malaysian Standards) is voluntary.
- A standard will be classed as mandatory when it is adopted by regulators into Act or Rules.
- Ministry Of Transport recognize the United Nations Economic Commission for Europe (UNECE) Regulations and Malaysian Standards as the compliance of automotive products to be used as part of the vehicle.



# BACKGROUND

- Malaysia acceded to World Forum for Harmonization of Vehicle Regulations (WP29) since 4<sup>th</sup> April 2006.
- Through this accession, Malaysia signed the 1958 agreement which imposing the certification mechanism of UNECE Regulations.
- The purpose of the implementation of UNECE Regulations are inclusive of international trade facilitation, ensure the safety and environment protection. While Malaysian Standards will support the implementation process.



# WP29 STRUCTURE



**UN / General Assembly**



**ECOSOC**

**Economic and Social Council**

**ECE**

**Economic Commission for Europe**

**ESCAP**

**E. C. for Asia & the Pacific**

**ITC**

**Inland Transport Committee**

**WP29**

**World Forum for Harmonization of Vehicle Regulations**

**AC1,AC2  
AC3,AC4**

**G R B**

**G R E**

**GRPE**

**GRRF**

**GRSG**

**GRSP**

# GAZETTE UNECE REGULATIONS (MOT)



	NO.	REGULATIONS	REFERENCE
1.	R16	SAFETY BELT	MV (SAFETY BELT) RULES 1978
2.	R18	ANTI-THEFT(M,N)	MV (C&U) RULES 1959
3.	R30	PNEUMATIC TYRES (M1)	MV (C&U) RULES 1959
4.	R36	CONSTRUCTION PSV	MV (C&U) RULES 1959
5.	R48	INSTALLATION OF LIGHTS	MV (C&U) RULES 1959
6.	R52	CONSTRUCTION OF SMALL PSV	MV (C&U) RULES 1959
7.	R54	PNEUMATIC TYRES (COMMERCIAL VEHICLE)	MV (C&U) RULES 1959
8.	R62	ANTI-THEFT (L)	MV (C&U) RULES 1959
9.	R66	SUPERSTRUCTURE STRENGTH FOR PSV	MV (C&U) RULES 1959

# GAZETTE UNECE REGULATIONS (MOT)



	NO.	REGULATIONS	REFERENCE
10.	R80	SEATS PSV	MV (C&U) RULES 1959
11	R97	VEHICLE ALARM SYSTEM	MV (C&U) RULES 1959
12.	R98	GAS DISCHARGE H.LAMP	MV (C&U) RULES 1959
13.	R99	GAS DISCHARGE H.LAMP (SOURCES)	MV (C&U) RULES 1959
14.	R108	RETREADED TYRES	MV (C&U) RULES 1959
15.	R109	RETREADED TYRES(COMMERCIAL)	MV (C&U) RULES 1959
16.	R116	ANTI-THEFT (M1)	MV (C&U) RULES 1959

# GAZETTE MALAYSIAN STANDARDS(MOT)



	NO.	REGULATIONS	REFERENCE
1.	MS 1	SAFETY HELMET	MV (SAFETY HELMET) RULES 1972
2.	MS 1394	PNEUMATIC TYRES OTHER THAN PASSENGER CAR	MV (C&U) RULES 1959
3.	MS 149	PNEUMATIC TYRES FOR PASSENGER CAR	
4.	MS 224	RETREADED TYRES	
5.	MS ISO 303	INSTALLATION OF LIGHTS	
6.	MS 775	LPG	
7.	MS 1175	SAFETY BELT	MV (SAFETY HELMET) RULES 1978

# PRIORITY TO GAZETTE (MOT)



	<b>NO.</b>	<b>REGULATIONS</b>
1	R3	REFLEX REFLECTOR
2	R6	INDICATOR PERFORMANCE
3	R7	BRAKE LAMP
4	R13	BRAKING
5	R13H	BRAKING (M1)
6	R14	SEAT BELT ANCHORAGE
7	R17	SEATS
8	R25	HEAD RESTRAINT
9	R28	AUDIBLE WARNING DEVICE
10	R39	SPEEDOMETER
11	R43	SAFETY GLASS
12	R46	REAR VIEW MIRROR
13	R50	BRAKE LAMP (L)
14	R53	INSTALLATION OF LIGHTS (L)

# PRIORITY TO GAZETTE (MOT)



	<b>NO.</b>	<b>REGULATIONS</b>
15	R58	REAR UNDERRUN PROTECTION
16	R69	REAR MARKING PLATES FOR SLOW MOVING VEHICLES
17	R70	REAR MARKING PLATES FOR HEAVY & LONG VEHICLES
18	R73	LATERAL PROTECTION
19	R75	MOTORCYCLE TYRES
20	R78	BRAKING (L)
21	R79	STEERING EQUIPMENT
22	R81	SIDE MIRROR (L)
23	R90	REPLACEMENT OF BRAKE LINING
24	R93	FRONT UNDERRUN PROTECTION
25	R94	PROTECTION OF OCCUPANTS IN THE EVENT OF FRONTAL COLLISION
26	R95	PROTECTION OF OCCUPANTS IN THE EVENT LATERAL COLLISION
27	R100	BATTERY ELECTRIC VEHICLE

# PRIORITY TO GAZETTE (MOT)



	<b>NO.</b>	<b>REGULATIONS</b>
28	R104	RETRO-REFLECTIVE MARKINGS FOR HEAVY & LONG VEHICLES
29	R112	HEADLAMP BEAM (SYMMETRICAL)
30	R113	HEADLAMP BEAM (SYMMETRICAL)

## MALAYSIAN STANDARDS

	<b>NO.</b>	<b>STANDARDS</b>
1	MS 1822	CLASSIFICATION OF MOTOR VEHICLES
2	MS ISO 3779	VEHICLE IDENTIFICATION NUMBER (VIN)
3	MS ISO 3780	WORLD MANUFACTURER IDENTIFICATION (WMI)
4	MS 2413	ELECTRIC MOTORCYCLE
5	MS 1513	DANGEROUS GOODS

# LIST OF UNECE REGULATIONS (DOE)



## GAZETTE UNECE REGULATIONS(DOE)

	<b>NO.</b>	<b>REGULATIONS</b>	<b>REFERENCE</b>
1	R15	EXHAUST EMISSION	ENVIRONMENTAL QUALITY ACT 1974
2	R24	DIESEL SMOKE	ENVIRONMENTAL QUALITY ACT 1974
3	R49	DIESEL EMISSION	ENVIRONMENTAL QUALITY ACT 1974

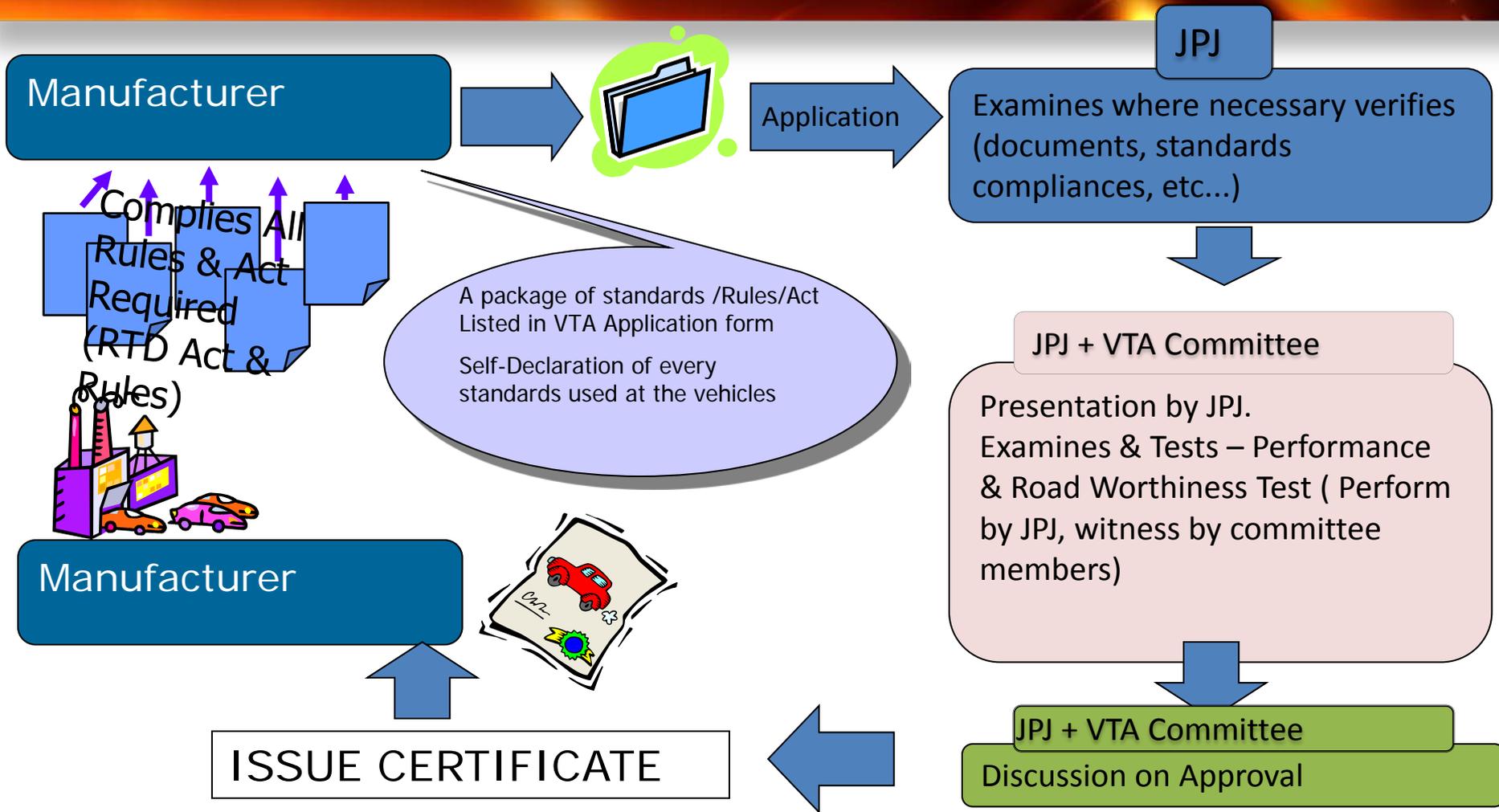
## PRIORITY TO GAZETTE (DOE)

	<b>NO.</b>	<b>REGULATIONS</b>	<b>REFERENCE</b>
1	R40	EXHAUST EMISSION (L)	ENVIRONMENTAL QUALITY ACT 1974
2	R41	NOISE EMISSION (L)	ENVIRONMENTAL QUALITY ACT 1974
3	R51	NOISE EMISSION	ENVIRONMENTAL QUALITY ACT 1974
4	R83	EXHAUST EMISSION	ENVIRONMENTAL QUALITY ACT 1974

# VEHICLE TYPE APPROVAL SYSTEM



# VTA CERTIFICATION SYSTEM IN MALAYSIA



Min : 20 Working Days<sup>17s</sup>

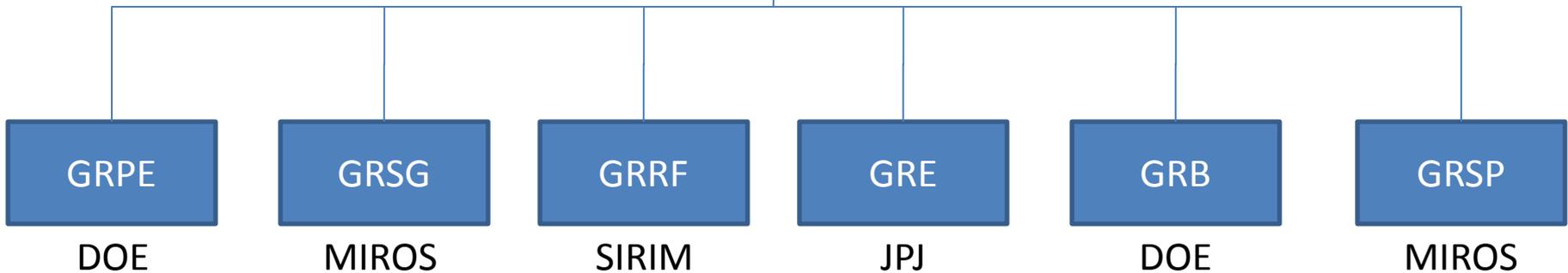
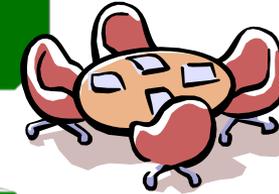
# COMMITTEE STRUCTURE IN MALAYSIA



**WP29**



**VTA**



GRPE : Pollution & Energy (16 ECE)

GRSG : General Safety (30 ECE)

GRRF : Brakes & Running Gear (18 ECE)

GRE : Lighting & Signalling (39 ECE)

GRB : Noise (8 ECE)

GRSP : Passive Safety (16 ECE)

**TOTAL : 127 UNECE REG.**

# VEHICLE CATEGORIES



L	Motor cycle			
M1	Passenger vehicle			
M2,M3	Bus			
N1	Light duty truck			
N2, N3	Heavy duty truck			
O	Trailer			

# ELECTRIC VEHICLE TYPE APPROVAL



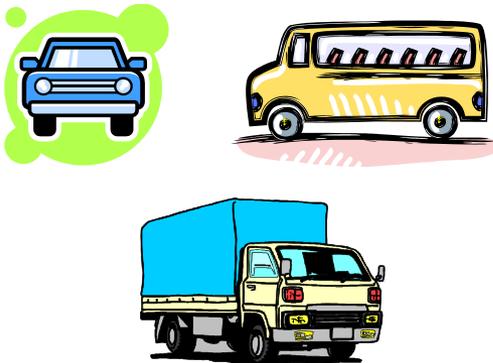
V  
T  
A

L CATEGORY  
REQUIREMENTS



MS 2413 COMPLIANCE

OTHER CATEGORY  
REQUIREMENTS



UNECE R100 COMPLIANCE

# VTA CERTIFICATE SAMPLE



No. Siri-PEU/0001/11

## JABATAN PENGANGKUTAN JALAN MALAYSIA

### SIJIL KELULUSAN JENIS KENDERAAN (VEHICLE TYPE APPROVAL)

National Committee For Vehicle Type Approval (VTA) And Homologation Bil. 3/2011 bertarih 19 April 2011 meluluskan dan mengesahkan bahawa kenderaan berikut layak didaftarkan mengikut Seksyen 10 Akta Pengangkutan Jalan 1987.

Buatan	:	[REDACTED]
Model	:	[REDACTED]
Kod Model	:	[REDACTED]
Model Tahun	:	2011
Jenis/Prefix Enjin	:	[REDACTED]
	:	4 Cylinder, 4 stroke
Kuasa Enjin	:	1588 cc/ 115 kW
Bahanapi	:	Unleaded Petrol (RON 95)
Tempat Duduk	:	4
Transmisi	:	Automatik, 6 Speed
Jenis Badan	:	Motokar (MKR)
Kategori	:	M <sub>1</sub>
Kegunaan	:	Persendirian/Perdagangan
Kod Buatan	:	[REDACTED]
Negara Pembuat	:	[REDACTED]
Pemohon	:	[REDACTED]

IR. MOHAMAD BIN DALIB  
Setiasaha National Committee For  
Type Approval (VTA) And  
Homologation

DATO' HJ SOLIH BIN MAT HASSAN  
Pengerusi National Committee For  
Type Approval (VTA) And  
Homologation

Tarikh : 19 April 2011



# CONCLUSION



- ✓ There are 16 UNECE Regulations and 7 Malaysian Standards already gazetted under MOT and 3 UNECE Regulations under NRE ;
- ✓ There are 30 UNECE Regulations and 5 Malaysian Standards have been identified to be implemented under MOT and 4 UNECE Regulations under NRE;
- ✓ Applicant must get certification for components & system before apply the VTA;
- ✓ VTA certification requires the VTA Committee approval.

The 2<sup>nd</sup> Public and Private Joint Forum in Asian Region

The 16<sup>th</sup> JASIC Asia Government/Industry Meeting

Jakarta, Indonesia, November 23-25, 2011

# **Developing Type Approval System in the Philippines**

VIRGINIA P. TORRES  
Land Transportation Office

Round Discussion  
November 24, 2011

# What has been done

- The Philippine Clean Air Act of 1999 was enacted in 1999 and provided that type approval system using ECE test procedures be implemented for new motor vehicles being registered for the first time.
- The emission test for type approval shall be carried out by the DOTC/LTO.
- The facility where the tests will be conducted shall utilize the motor vehicle type approval system testing center of the DOTC/LTO.

# What has been done

- While the DOTC/LTO is developing inspection capability of the motor vehicle type approval test, the previous emission test results of pre-production engine vehicle type duly authenticated by the Philippine Embassy/Consulate of country of origin or manufacture of subject motor vehicle shall be valid and sufficient.
- The certificate of conformity to emission standard based on relevant ECE regulation issued by DENR is the instrument used to implement type approval for new motor vehicles, in the absence of type approval testing facility to be operated and maintained by the DOTC/LTO.
- Assistance secured from government of Korea (KOICA) for chassis dynamometer test facility to be located at the LTO South Motor Vehicle Inspection Station (SMVIS), to be completed in January 2012.

# What will be done

- DOTC/LTO plans to expand the SMVIS KOICA – assisted project to a MVIS with type – approval testing capability, to be operational in 2015.
- Accreditation of the type-approval enabled SMVIS to be secured through the instrument of Certificate of Conformity of Production from the DTI to access Mutual Recognition Agreement with ASEAN member countries by 2015, coinciding with the ASEAN Economic Score Card roadmap to integration.

Thank you



# **VTA System in Thailand**

**Automotive Engineering Bureau  
Department of Land Transport  
Thailand  
November 2011**

# The Latest Situation on WP. 29 and 1958 Agreement

- ◎ Thai government has signed 1958 Agreement in May 2006
- ◎ DLT/TISI/TAIA attended to WP. 29 or GRs meeting regularly as a Contracting Party
- ◎ Main problem are lack of experts and technical knowledge of UNECE regulations which arranging expert meeting and in-house training can be our solution

# Vehicle Type Approval System

- **New draft Act of Land Transport, which authorise for vehicle type approval system, is jointly considering by DLT and the Council of State**
- **Under Motor Vehicle Act, MR2551 enforced in June 2009 which empower DLT to issue notification of vehicle Parts/Systems in line with ECE regulations**
- **Implementation plan of ECE technical regulation for M1/N1 &L3 is finalised by discussing with the stakeholders**

# Introducing ECE Regulation

- ◎ First Notification in line with ECE regulation : R41 will enforce in 2012 and the others will follow as the Plan
- ◎ DLT use UNECE regulations as the equivalent and accept only UNECE test report
- ◎ However, there are no plan to adopt any ECE regulation in WP.29 meeting yet but expect to discuss the roadmap with the stakeholders in future

~Thank you~



**VIETNAM Ministry of Transport**  
**Vietnam register**

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**DEVELOPING THE vehicle TYPE  
APPROVAL system in vietnam**

**Jakarta, November, 2011**

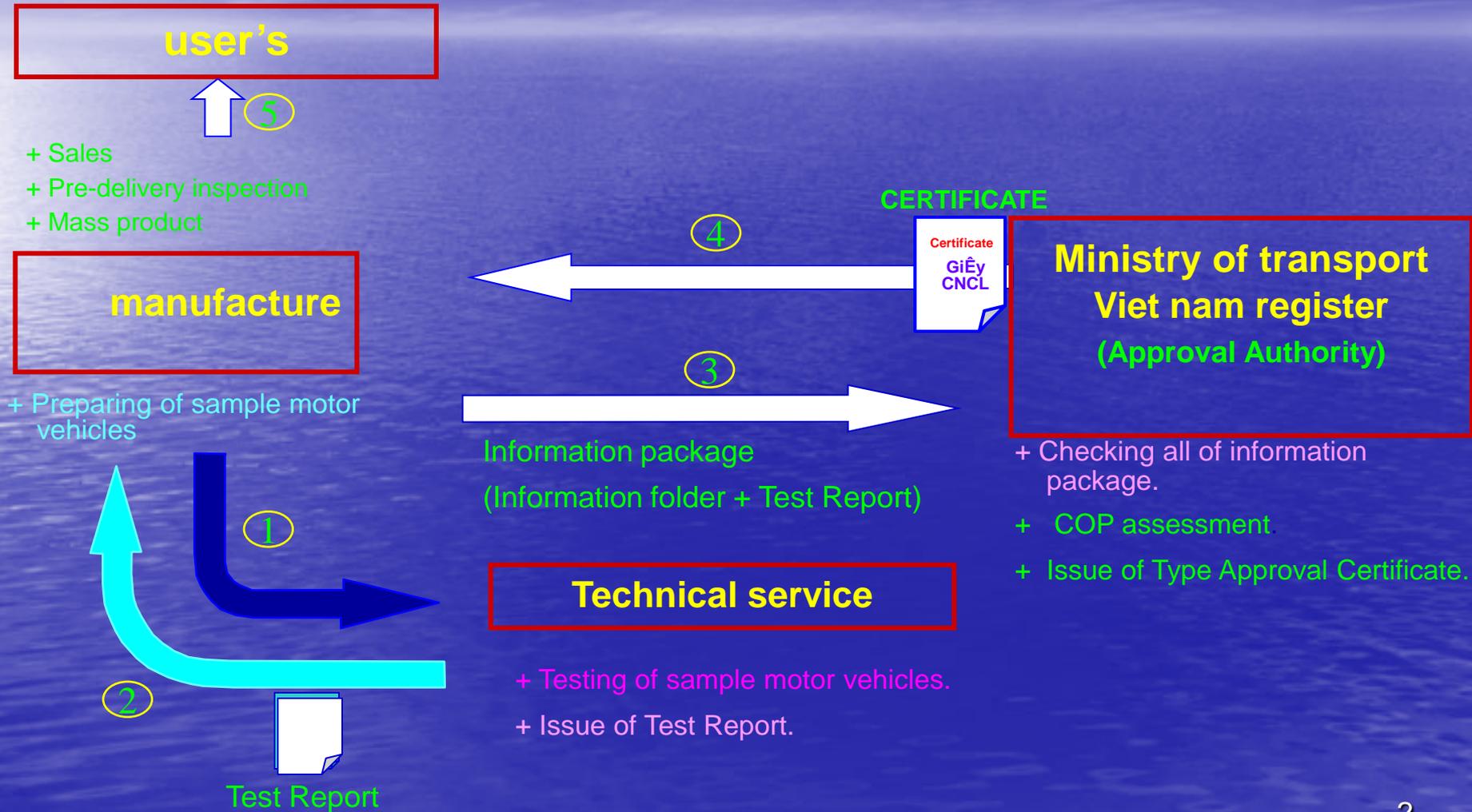
**Presented by Nguyen Dong Phong**



# Ministry of Transport Vietnam register



the outline of type approval system for motor vehicles in viet nam



**Assembled vehicles**

**Imported vehicles**

**Modified vehicles**

Docs for Type Approval

Documents

Documents

**MOT**  
(Vietnam register)

- Checking documents
- COP assessment

- Checking documents
- Carry out the test

- Checking documents
- Carry out the test (VR/LLT)

Issue the Type Approval Certificate

Issue the Certificate of conformity

Issue the Certificate of conformity

**Manufacture**  
**/importer**

Mass production  
Pre-delivery Inspection

Finish the customs formalities

Modification  
Pre-delivery Inspection & send test result. to VR or LLT)

**police**

License plate.

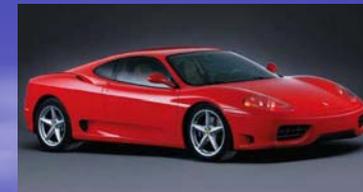
**Inspection stations**  
(VR/LLT)

Initial and Periodical Inspection certificate for technical safety and environmental protection.

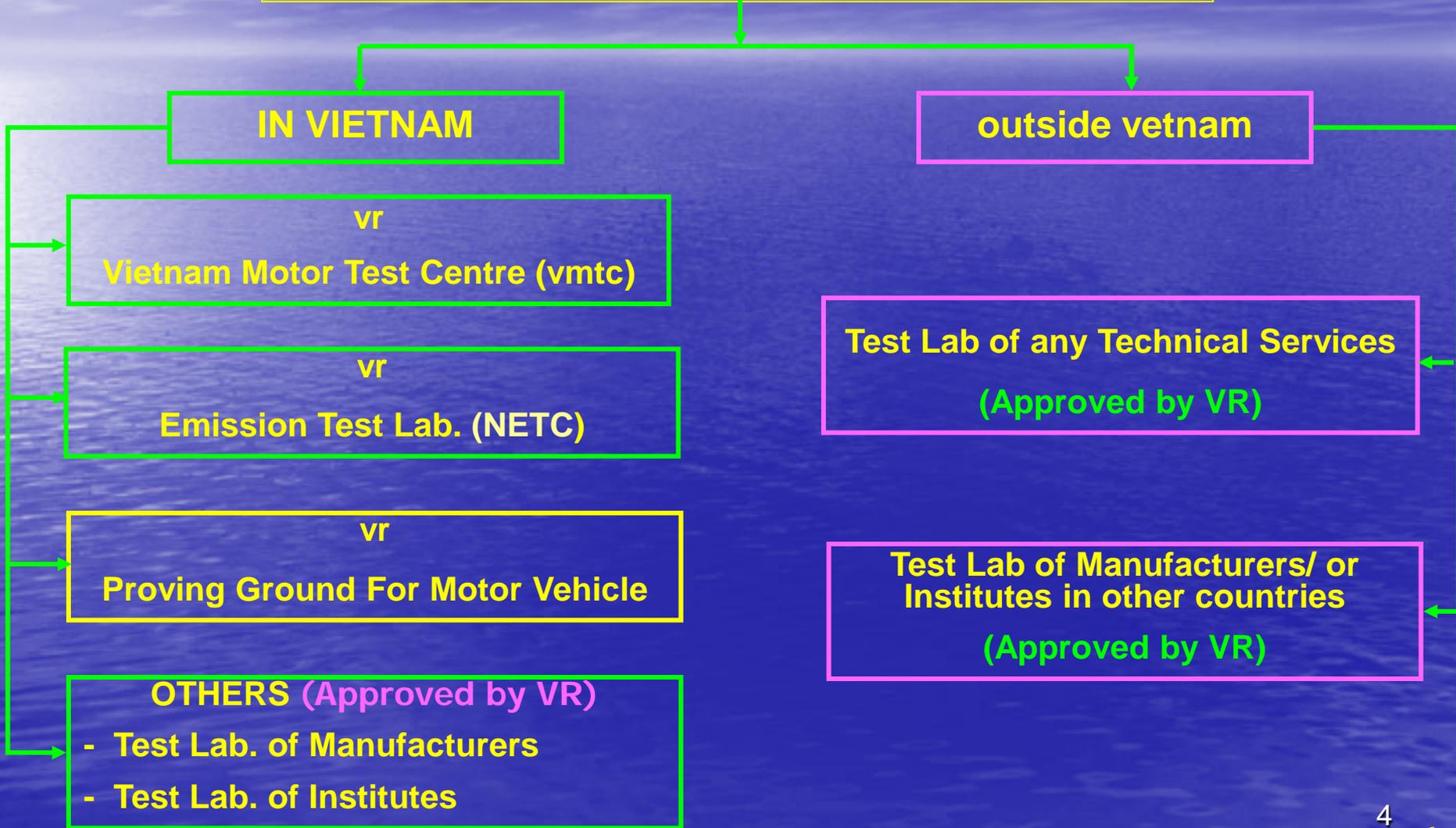
**roadworthiness**



# Ministry of Transport Vietnam register



## the TeST LAB. SYSTEM FOR MOTOR VEHICLES





## New roadmap for emission & fuel

(PM Decision 49/2011-QD-TTg Dated Sep 1<sup>st</sup> 2011)

### EMISSION ROADMAP

N o		Enforcement Date			
		EURO 2 Level	EURO 3 Level	EURO 4 Level	EURO 5 Level
1	Automotive	Jul 1 <sup>st</sup> , 2007	Jump over =>	Jan 1 <sup>st</sup> , 2017	Jan 1 <sup>st</sup> , 2022
2	Motorcycle	Jul 1 <sup>st</sup> , 2007	Jan 1 <sup>st</sup> , 2017	N/A	N/A



## New roadmap for emission & fuel

(PM Decision 49/2011-QD-TTg Dated Sep 1<sup>st</sup> 2011)

FUEL ROADMAP			
Fuel	Enforcement Date		
	Equivalent to Euro 3 Emission Level	Equivalent to Euro 4 Emission Level	Equivalent to Euro 5 Emission Level
Gasoline, Diesel and Bio-fuel	as soon	from Jan 1 <sup>st</sup> , 2016	from Jan 1 <sup>st</sup> , 2021



**Ministry of Transport**  
**Vietnam register**

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**adoption of un/ece regulations**

**Provided in separated files**



**Ministry of Transport**  
**Vietnam register**

## Update of ECE HARMONISATION

Issue Date: Dec 1<sup>st</sup> 2010

N o	UNECE Regulation	VN Standards (TCVN)	Vietnam Technical Regulation (QCVN)	Enforcement Date
1.	97/24/EC (Annex 6)	TCVN 6954:2001	QCVN 27: 2010/BGTVT: Motorcycle Fuel Tank	July 1 <sup>st</sup> , 2011
2	ECE R81	TCVN 6770:2001	QCVN 28: 2010/BGTVT: Motorcycle Rear view Mirror	July 1 <sup>st</sup> , 2011
3	ECE R112		QCVN 35: 2010/BGTVT: Headlight Photometric Characteristic	July 31 <sup>st</sup> , 2011
4	ECE R75	TCVN6771:2001	QCVN 36: 2010/BGTVT: Motorcycle Pneumatic Tyre	July 31 <sup>st</sup> , 2011



**technical regulations on submitTing**

No	UNECE Regulation	VN Standard TCVN	Vietnam Technical Regulations	Adoption plan	Enforcement Plan
1	ECE R43	TCVN 6758:2000	QCVN 32:...../BGTVT <i>National technical regulation on Safety glazing equipped on vehicle</i>	2 <sup>nd</sup> half, 2011	+ 2 years for new model + 4 years for current model
2	ECE R46	TCVN 6769:2001	QCVN 33:...../BGTVT <i>National technical regulation on rear view mirrors for automobiles</i>	2 <sup>nd</sup> half, 2011	+ 2 years for new model + 4 years for current model
3	ECE R30	TCVN 7226:2002	QCVN 34:...../BGTVT <i>National technical regulation on pneumatic tyres for automobiles</i>	2 <sup>nd</sup> half, 2011	+ 2 years for new model + 4 years for current model
	ECE R54	TCVN 7227:2002			



MINISTRY OF TRANSPORT

Vietnam Register



Thanks for your attention!

# The Development of Vehicle Safety Testing Directions in Taiwan



財團法人車輛安全審驗中心  
Vehicle Safety Certification Center

**Oct. 2011**

- **Part I : ECE Regulation revision discussed in 2010 and 2011**
- **Part II : New or revised regulations being formulated by MOTC**

## ■ Amendment/Revision on Existing Regulations

Periodical Review : Twice a year, Review of respective ECE amendment/revision for existing regulation; Necessary lead time will be considered as appropriate.

ECE Regulation revision discussed in the first half of 2010 : ECE 3, 11, 13, 13H, 17, 78, 79, 116 ( Total items: 8 )

ECE Regulation revision discussed in the second half of 2010 : ECE 6, 7, 10, 11, 12, 13, 16, 19, 48, 53, 98 ( Total items:11 )

ECE Regulation revision discussed in the first half of 2011: ECE 6, 7, 13, 13H, 19, 23, 38, 43, 48, 50, 53, 77, 78, 91, 94, 98, 99, 100, 107, 112, 113 ( Total items: 21 )

ECE Regulation revision will be discussed in the second half of 2011 ( July to Oct. ) : ECE 6, 12, 19, 23, 48, 50, 53, 91, 112, 123 ( Total items:10 )

# Vehicle Safety Testing Regulation ( 2 )

## ECE Regulation revision discussed in the first half of 2010

	ECE Title	Version	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
1	3 Reflex Reflectors	02-S11	2010.07.23 2010.08.25 2010.09.10	2010.12.20	<u>2011.09.20</u>	Revise the Test Procedure - Class IA, Class IIIA and Class IV A.
2	11 Door Latches & Hinges	03-S1 03-S1/C1				Add Load Test Three for back doors open in a vertical direction.
3	13 Braking	11				Add requirements about Vehicle Stability function Systems.
4	13H Braking (M1)	00-S7 00-S8				Add requirements about Electronic Stability Control Systems.
5	17 Seats	08				Revise The installation of side-facing seats.
6	78 Braking (Category L)	03-S1				Add requirements to revise Peak Braking coefficient ( PBC ) on category L1 and L3.
7	98 Gas-Discharge Headlamps	00-S9/C1 00-S11				Add category L3 in its scope.
8	113 Headlamps ( Symmetrical Passing beam )	00-S8				Full revision about the requirement of motor vehicle headlamps equipped with gas-discharge light sources.

# Vehicle Safety Testing Regulation ( 3 )

## ECE Regulation revision discussed in the second half of 2010 ( 1/2 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
1	6 Direction Indicators	01-S18 01-S19	2010.12.28	2011.07.15	<u>2011.09.20</u>	Delete categories 3 and 4 direction indicators.
2	7 Front and Rear Position Lamps, Stop lamps and End-Outline Marker Lamps	02-S12-C3 02-S15				Revise the intensity of light emitted of front and rear position lamps, stop lamps and end-outline marker lamps.
3	10 EMC (EMI+EMS)	03-C1				Revise CISPR versions for alternative measuring location.
4	11 Door Latches & Hinges	03-S2				Revise “applicable only to back doors that open in a vertical direction” to “ applicable to doors that open in a vertical direction”.
5	12 Steering Mechanism	03-R3-C2 03-R3-C3				Add requirements for equipped with an airbag and the definition of "sharp edge“.
6	13 Braking	11-C2 11-R6-C3				Revise requirements for electric regenerative braking.

# Vehicle Safety Testing Regulation ( 4 )

ECE Regulation revision discussed in the second half of 2010 ( 2/2 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
7	16 Safety Belts	06-C1 06- R6-C1	2010.12.28	2011.07.15	<u>2011.09.20</u>	Revise the conditions of straps test shall conform to ISO 139 (2005).
8	19 Front Fog Lamps	03-C4				Add the requirements for lines 6, 7 and the Zone D and each of the two front fog lamps shall meet at least 50 per cent of the minimum value required for line 6.
9	48 Installation of Lights	03-S4-C1 04-S3 04-S2-C1				Add requirements for exterior courtesy lamp and the applicant shall provide the electric power supply conditions for the devices.
10	53 Installation of Lights (Motorcycle)	01-S10 01-S10-C1				Add requirements for passing beam headlamps luminous flux exceeds 2,000 lumen, the vertical inclination of headlamp shall remain between -0.5 and -2.5percent.
11	98 Gas-Discharge Headlamps	00-S10-C1 00-S12				Revise the maximum illuminance of driving beams.

# Vehicle Safety Testing Regulation ( 5 )

## ECE Regulation revision discussed in the first half of 2011 ( 1/4 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
1	6 Direction Indicators	01-S19 01-S20	2011.09.07 2011.10.05 To be held on <u>2011.10.28</u>	To be determined	---	Delete categories 3 and 4 direction indicators.
2	7 Front and Rear Position Lamps, Stop lamps and End-Outline Marker Lamps	02-S16 02-S17				Add requirements for light source module.
3	13 Braking	11-R6-C1				Add requirements about case in which type- I and/or type- II ( or type- IIA ) or type -III tests do not have to be carried out.
4	13H Braking (M1)	00-S10				Revise requirements about the way of generates emergency braking signal.
5	19 Front Fog Lamps	03-S2 04				<ol style="list-style-type: none"> <li>Add tests for stability of photometric performance and clean front fog lamp .</li> <li>Revise requirements about test voltage.</li> </ol>
6	23 Reversing Lamps	00-S16				Add requirements for light source module.

# Vehicle Safety Testing Regulation ( 6 )

ECE Regulation revision discussed in the first half of 2011 ( 2/4 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
7	38 Rear Fog Lamps	00-S5	2011.09.07 2011.10.05 To be held on <u>2011.10.28</u>	To be determined	---	Add check items of light source modules, including installed position, tamperproof...
8	43 Safety Glazing Materials	00-S13				Revise the scope, category L with bodywork shall conform to VSTD.
9	48 Installation of Lights	04-S3-C2 04-R6-C2 05				Add requirements about interdependent lamp system, Rear-end collision alert signal (RECAS).
10	50 Lights (Moped, Motorcycle)	00-S13				Add requirements for light source module.
11	53 Installation of Lights (Motorcycle)	01-S11				Add requirements about HIAS definition and function.
12	77 Parking Lamps	00-S13				Add requirements for light source module.
13	78 Braking (Category L)	03-C2				Revise ASTM versions for test tyre.

# Vehicle Safety Testing Regulation ( 7 )

## ECE Regulation revision discussed in the **first half of 2011** ( 3/4 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
14	91 Side-Marker Lamps	00-S12	2011.09.07 2011.10.05 To be held on <b>2011.10.28</b>	To be determined	---	Add requirements for light source module.
15	94 Frontal collision protection	02				Revise requirements about protection against electrical shock, electrolyte spillage, RESS retention, test procedure and test procedures for high voltage and electrolyte spillage.
16	98 Gas-Discharge Headlamps	00-S13 01				Revise requirements about Clean headlamp, test voltage and Photometric test .
17	99 Gas-Discharge Light Sources	00-S5 00-S6				Revise requirements about the minimum red content of a gas-discharge light source.
18	100 Electric Power Train	01				Revise requirements about marking and isolation resistance.
19	107 M2 or M3 Vehicles with Regard to Their General Construction	02-S6 03 03-S1				Add the requirements about driver's compartment and driver's seat of articulate buses.

# Vehicle Safety Testing Regulation ( 8 )

ECE Regulation revision discussed in the first half of 2011 ( 4/4 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
20	112 Headlamps ( with a Asymmetrical Passing Beam	00-S8-C2 00-S8-C3 00-S11 00-S12 01	2011.09.07 2011.10.05 To be held on <u>2011.10.28</u>	To be determined	---	Revise requirements about provisions concerning passing beams, amended the luminous intensity distribution of passing beam and driving beam .
21	113 Headlamps ( with a Symmetrical Passing Beam )	00-S9				Add requirements about lamps equipped with (an) LED module(s), and revised requirements tests for stability of photometric performance.

# Vehicle Safety Testing Regulation ( 9 )

ECE Regulation revision will be discussed in the second half of 2011 ( 1/2 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
1	6 Direction Indicators	01-S18-C3	To be determined	---	---	Add requirements for categories of direction indicators ( about category 1b ) .
2	12 Steering Mechanism	04				Revise requirements about definitions, frontal-impact test against a barrier, isolation resistance and electrical power train adjustment .
3	19 Front Fog Lamps	04-C1				Revise requirements about tests of the complete lamp incorporating a lens of plastic material.
4	23 Reversing Lamps	00-S17				Revise requirements about colour of light emitted.
5	48 Installation of Lights	04-R6-C3 05-C1				Add the colorimetric requirements of number of lamps.
6	50 Lights (Moped, Motorcycle)	00-S14				Revise requirements about rear position lamp reciprocally incorporated with a stop lamp, test procedure and colour of light emitted.

# Vehicle Safety Testing Regulation (10) 財團法人車輛安全審驗中心 Vehicle Safety Certification Center

ECE Regulation revision will be discussed in the second half of 2011 ( 2/2 )

	ECE Title	Versions	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
7	53 Installation of Lights (Motorcycle)	01-S12	To be determined	---	---	Revise requirements about front position lamp , rear position lamp and daytime running lamp.
8	91 Side-Marker Lamps	00-S13				Revise requirements about colour of light emitted and test procedure.
9	112 Headlamps ( with a Asymmetrical Passing Beam	01-C1				Revise requirements about the table of luminous intensity distribution of the driving beam.
10	123 AFS	00-S4 01-C1 01-C2				Full revision about the requirement of system using a gas-discharge light source, Table 2, Table 4 and Table 6 etc..

# Vehicle Safety Testing Regulation ( 11 )

## New or revised regulations being formulated by MOTC ( 1/2 )

	Title	Reference	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
1	The exhaust speed for L1 and L3	---	2010.11.18 2011.4.8	---	To be determined	Newly Added Item 
2	The lateral protection device and the Rear Underrun Protection Device	---	2010.5.12 2010.7.22 2010.10.21 2010.12.23	2010.12.10	2011.2.17	Revise requirements for the lateral protection device 
3	Installation of devices for indirect vision ( Class VI-A mirror )	---	2010.11.10 2010.12.9 2010.12.16 2010.12.23	---	2011.2.17	Add requirements about Class VI-A mirror 

# Vehicle Safety Testing Regulation ( 12 )

## New or revised regulations being formulated by MOTC ( 2/2 )

	Title of Item	Reference	the date of discussion between VSCC and industry	the date of discussion by MOTC	VSTD publish date	Remarks
4	Large passenger vehicle without a roof	ECE R107	2011.4.15	To be confirmed	---	Newly Added Item 
5	Three-wheel moped/motorcycle	EEC 93/92, 93/29	2011.7.29	2011.10.21	---	Newly Added Item 
6	In-Vehicle Information and communication System	---	2010.9.29 2010.11.9 2011.2.11	2011.10.21	---	Newly Added Item 
7	Liquid natural gas ( LNG ) vehicle	---	2011.09.23	To be confirmed	---	Newly Added Item

# Vehicle Safety Testing Regulation (13)

	ECE for M2/M3/N2/N3/O3/O4		ECE for M1/N1/O1/O2		ECE for L1/L3		Total
2004	R36, 52	2					2
2006	R3, 6, 7, 16, 19, 23, 28, 30, 37, 43, 48, 54, 77, 91, 98, 99, 104	17	R3, 6, 7, 16, 19, 23, 28, 30, 37, 39, 43, 54, 77, 91, 98, 99, 104	17	R39, 53, 60, 74, 81, 98, 99	7	22
2007					R19, 28, 78	3	3
2008	R5, 13, 14, 17, 25, 31, 38, 39, 66, 79, 80, 112, 113	13	R5, 11, 12, 13, 13h, 14, 17, 25, 31, 38, 48, 79, 94, 95, 112, 113	16			19
2009					R3, 37, 50, 112, 113, 38	6	6
2011	R46, 10, 123, 55, 34(Draft)	5	R46, 10, 123, 34(Draft)	4	R10,	1	5
2013 (Scheduled)					R75	1	1
2014 (Scheduled)	R100	1	R100	1			1
		37published 1 Drafted		37published 1 Drafted		18publishe d	50/ 1 15

- Since 2006, Taiwan has scheduled 66 ECE Regulations by 3 stages: stage 1 ( 2006 ) ,stage 2 ( 2007~2008 ) and stage 3 ( 2009~2011 ) .
- Up to now, Taiwan has already implemented and published 50 ECE Regulations.

Table 1: Summary of implemented ECE regulations

Implemented of Stage Vehicle Category	( Stage 1 )	( Stage 2 )		( Stage 3 )		Total reg.
	2006	2007	2008	2009	2011	
Large Vehicle and its Component	19 reg.	—	12 reg.	—	4 reg.	35 reg.
Small Vehicle and its Component	17 reg.	—	16 reg.	—	6 reg.	39 reg.
Motorcycle and its Component	7 reg.	3 reg.	—	7 reg.	1 reg.	18 reg.
Total	24 reg.	17 reg.		9 reg.		The total number: 50 reg.

Note: Part of Regulations suitable for many vehicle category. For instance: "Head Restraint" is suitable for large and small vehicle, and Part of Regulations like "Sound level of audible warning device" is suitable for whole vehicle and component. So, the total number in above table 1 may be have a little bit difference.

Thank you for your attention

# The exhaust speed for L1 and L3



**Background:** Due to the angle of tailpipe is too large, the exhaust gas could blow to other moped/motorcycle rider.

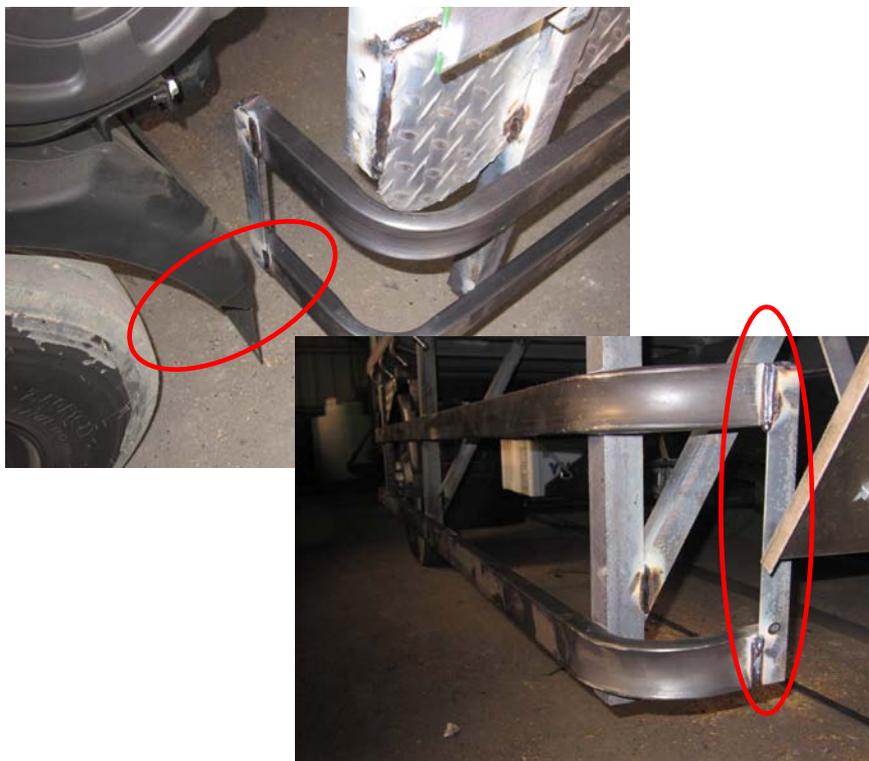
**Objective:** To improve the environment and safety for rider on the road

**Scope:** This Regulation applies to the exhaust speed of tailpipe for vehicles L1 and L3.

**Testing Criteria:** If the angle of the tailpipe nozzle is above the horizontal level or more than 1m above the ground, the exhaust gas speed shall be no more than 1.5 m/sec measured at idle speed.



# The lateral protection device and the Rear Underrun Protection Device



**Background:** Due to other road users might fall under the sides and being caught under the wheels of the vehicle.

**Objective:** To improve the safety for moped/motorcycle rider on the road.

**Scope:** This Regulation applies to the lateral protection device for vehicles N2, N3, O2, O3 and O4.

**Testing Criteria :** (1) Device between 90 cm to 110 cm above the ground shall be constructed by continuous transverse plane. (2) Both the curvature radii of front & rear ends shall be between 2.5 cm to 10 cm, (3) The end shall be connected and fixed by vertical jointed components. (4) The distance between the front end of plane portion and the rearmost portion of the front tire shall not exceed 30 cm.



# Installation of devices for indirect vision ( Class VI-A mirror )

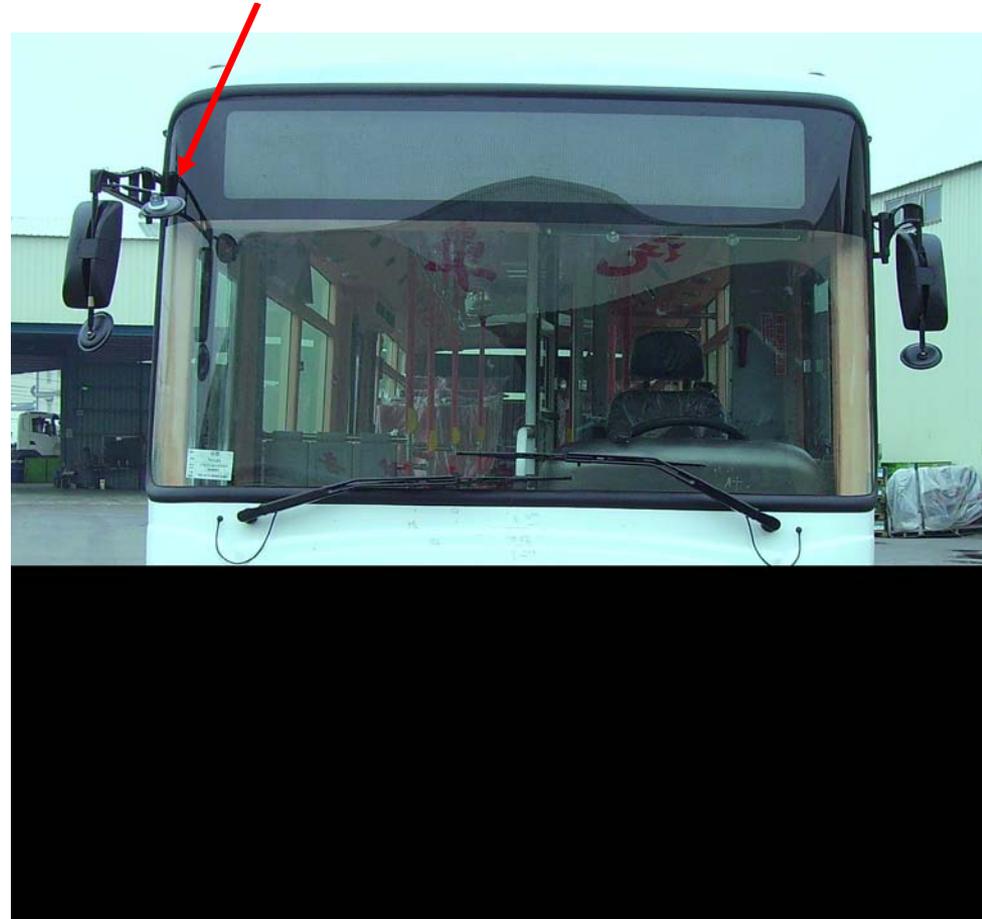
**Background:** The moped/motorcycle rider hit the mirrors of the vehicle in the crowded street.

**Objective:** To ensure Class VI-A mirror is high enough to prevent the rider or pedestrian won't hit by mirrors.

**Scope:** This Regulation applies to M2 and M3.

**Testing Criteria :**If the bottom edge of mirror is less than 1.8 m, this mirror shall not project out of the overall width of the vehicle, and if it's equipped with impact buffering design (to make it shrunk or extended), Class VI-A mirror shall not project more than 50 mm from the vehicle.

Class VI-A mirror



# Large passenger vehicle without a roof



**Background:** To introduce large passenger vehicle without a roof into Taiwan for sightseeing.

**Objective:** To carry passengers for sightseeing at specific route.

**Scope:** This Regulation applies to M2 and M3.

**Testing Criteria :** The body specifications of vehicle refer to ECE R107 Annex 3 and EEC 2002/7/EC .



# Three-wheel moped/motorcycle



**Background:** To introduce three-wheel moped/motorcycle into Taiwan .

**Objective:** To enhance the riders and passengers with reduced mobility.

**Scope:** This Regulation applies to L2 and L5.

**Testing Criteria :** The specifications of moped/motorcycle refer to EEC 93/92, 93/29.



# In-Vehicle Information and communication System



**Background:** Driver watch TV program or play DVD etc. on the road causing car accident.

**Objective:** To prevent driver distraction during driving and to enhance road safety.

**Scope:** This Regulation applies to the In-Vehicle Information and Communication System used on vehicles L, M and N.

**Testing Criteria :** When the vehicle have following situations, the image of the In-Vehicle Information and communication System shall be automatically turn off.

1. Parking brake is in use.
2. The transmission is in forward or reverse positions.
3. The speed of vehicle is above 8 km/h.





# Panel Discussion:

## Part II

Minimization of the unique subjects  
to promote the IWVTA concept  
under the UN Regulation framework  
for realizing harmonization of regulations  
and establishing MRA in ASEAN region

Coordinator: Mr. Shigeo Yoshizawa (Japan)

Panelists: Mr. Takao Onoda (Japan),  
Section head of Vehicle Testing (Indonesia),  
Ms. Jiraporn Kaewkraisorn (Thailand),  
Mr. Mohd Sharulnizam Bin Sarip (Malaysia),  
Ms. Virginia Torres (Philippines),  
Mr. Nguyen Dong Phong (Vietnam)

# PROMOTING IWVTA CONCEPT

Automotive Engineering Bureau  
Department of Land Transport  
Thailand  
November 2011

# NECESSITY OF WVTA SYSTEM

- Vehicle safety is one of the vital factors for road safety in modernisation
- Whole vehicle type approval system is an essential process before registering new vehicle
- Vehicle parts & system type approval system support WVTA system to take less time and cost



# ECE REGULATION

- National technical regulation should be in line with international one, e. g. UNECE
- Adoption of any UNECE regulation of vehicle part/system in WP.29 to accept its UNECE certificate will facilitate WTA efficiently



# IWVTA & 1958 AGREEMENT

- Current provision of 1958 Agreement are technical regulation & MRA of vehicle part/system only and not cover important issues e.g. technical service, vehicle classification
- Amendment of 1958 Agreement should add IWVTA for streamlining the vehicle itself and important issues for type approval process
- The amendment should be technical , flexible and voluntary basis in order to encourage other UN members, especially Asian countries to join or all CPs to agree

~ thank you~





**BRIEFING OF**  
**MINIMIZING UNIQUE SUBJECTS**  
**TO TARGET ON IWVTA**

**AUTOMOTIVE ENGINEERING DIVISION**  
**ROAD TRANSPORT DEPARTMENT OF MALAYSIA**



# CONTENTS

- Current Situation
- Consideration of Unique Subjects
- Implementation of IWVTA
- Conclusion



# CURRENT SITUATION



**Malaysia** is a developing country and need full support from advance countries especially in Automotive Engineering field

We are currently study on overall requirements of UNECE Regulations

National situation/interest may affect the implementation of UNECE Regulations.

Minimizing unique subjects will be our goal to implement the IWVTA concept

\*may deviate from original requirements

# CONSIDERATION OF UNIQUE SUBJECTS



# UNIQUE SUBJECTS



1. ASEAN countries situation should be considered in the IWVTA study.
2. Consideration of situation in Malaysia :
  - Fuel Quality
  - Weather
  - National Interest , ie: Vehicle Light Transmission (VLT)
3. ASEAN committee on IWVTA should be established to further discuss on every member states requirements.

# IMPLEMENTATION OF IWVTA



# IMPLEMENTATION OF IWVTA CONCEPT



**IWVTA** have several advantages including its support on Trade facilitation, avoid repetitive testing, minimizing the overall cost and etc.

(Forecast) The implementation of IWVTA may results several difficulties towards the enforcement in Malaysia including :

- i. Determine the genuinity of the test report/certificate attached – Technical specifications has been modified
- ii. Difficult to contact the Technical Service(TS)/Contracting Party(CP) – no worldwide integration between TS/CP
- iii. Lack of awareness between enforcement officers

# CONCLUSION

- Malaysia is implementing 1958 agreement concept
- Unique subjects shall be identified
- ASEAN Committee shall be established to discuss on IWVTA
- Implementation of IWVTA will results several advantages and identified issues shall be discussed.



## **The Philippines on the Benefits of Establishing Mutual Recognition of IWVTA**

We understand that mutual recognition of the International Whole Vehicle Type Approval System (IWVTA), through a revised 1958 Agreement is a major initiative of Japan in WP29. Also, the path for setting up common bases of IWVTA has been started by the IWVTA Informal Group.

Indeed, great strides in science and technology and rapid growth of motorization both regionally and globally have contributed to a lot of progress and improvement in the quality of life in the 21<sup>st</sup> century. However, these have also gave birth to global issues like road crashes that claim an estimate of 1.5 Million precious human lives worldwide yearly, and climate change that has also spawned diseases and famine.

This public-private forum is both relevant and timely, as we discuss ways and shed light on possible solutions to these global issues. The advantages that can be derived from establishing mutual recognition of IWVTA may not be the only solution we are looking for, but it can be an important solution to harmonize regulations among countries and to align them to internationally accepted standards. Through mutual recognition of IWVTA, facilitation of trade and commerce in order to foster socio-economic growth in the Asian region can be improved. On top of this, type approval standards can be employed to enhance implementation of vehicle safety and conformity with emission standards.

In the light of our government policy directions and commitments, the Philippines requested technical study on vehicle standards with the general structure of the 1958 Agreement of the WP29, preparatory to the Philippines participation in WP29 and accession to its agreements. By 2015, a type approval system will be implemented covering the 19 priority regulations set by the APWG. It should likewise be noted that the schedule of adopting UNECE regulations will be based on the ASEAN Mutual Recognition Arrangement on Vehicle Type Approval, which is still up for discussion in the APWG.

In conclusion, we say that human resource development through transfer of appropriate technology is critical to the understanding and minimization of the unique subjects relating to the promotion of IWVTA, the harmonization of regulations and the establishment of MRA in the Asian region.



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**Vietnam register**

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# **Minimization of unique subjects to Promote the iWvta concept**

**Jakarta, November 24, 2011**

**Presented by Nguyen Dong Phong**



**Ministry of Transport**  
**Vietnam register**

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**CONTENT**

**1- Basic Requirements for IWVTA**

**2- ASEAN / ASIA's Situation/Obstacles**



**3- Proposals**



## Ministry of Transport Vietnam register

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### 1- Basic Requirements for IWVTA

- The certification system (type approval): similar
- The system of applied standards:  
the same and in harmonization with UNECE
- The System of Technical Services:  
Having a capacity of facility, technical expert...



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## 2 - ASEAN / ASIA's Situation/Obstacles

- The Certification System:
  - Different among ASEAN / ASIA's countries
  - Some countries have no Certification System
  - Only one Authority Body in some countries while there are some authority bodies in others



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## 2 - ASEAN / ASIA's Situations/Obstacles

- The system of applied standards:
  - Different list of applied standards among countries
  - With same testing items (headlamp, tyre ...), but different in content such as requirement, test method...
  - Applying different versions of the same UNECE standards



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## 2 - ASEAN / ASIA's Situations/Obstacles

- The system of Technical Services:
  - Low capacity of test facility and technical expert...
  - Different test Labs' capacity among in Asean/Asia countries
  - Some countries do not have the system of test Labs



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## 3- Proposals

- The certification system (type approval)
  - Unifying the certification system among countries



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## 3- Proposals

- The system of applied standards:
  - ASEAN build up a list of standards according to UNECE for common use
  - Priority application of 19 UNECE Rs in 2015 that mentioned in MRA ( 14<sup>th</sup> ACCSQ-APWG & the 6<sup>th</sup> task force meeting for MRA (Brunei Darussalam))



# MINISTRY OF TRANSPORT

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### List of 19 priority UNECE Regulations for harmonization in Asean

No	Automotive product	UNECE	Revision	TCVN/TCN/QCVN	Reference
1	Braking system	R13	Re 5	6919-2001	R13-08/S1
2	Braking system(Passenger car)	R13H		7228-2002	R13-H
3	Seat belt anchorage	R14		22TCN318-03	R14-05, R21,R80
4	Seat belt	R16	Re 5	7001-2003	R16-04/R3-C3
5	Seats	R17		22TCN316-03	R17-07/S2
6	Head Restraints	R25	Re 1	22TCN317-03	R25-04
7	Pneumatic tire-passenger	R30		7226-2002	R30-07
8	Speedometer (L category)	R39	Re 1	6956-2001	R39-00/S2
9	Exhaust Emission (L category)	R40		QCVN 04.2009/BGTVT	R40, R47, 97/24/EC, 2002/51/EC, TIS2130-2545, GB20998-2007
10	Noise (L category)	R41	Re 1	5948-1999 6552-1999	ISO 00362:1998
11	Safety glass	R43		6758-2000	R43.00/S3
12	Rear View Mirror	R46		6769-2001	R46-01/S4
13	Diesel Emission	R49		- TCVN 6567 - QCVN 05.2009/BGTVT	R49
14	Noise Emission	R51	Re 1	5948-1999 6552-1999	ISO 00362:1998
15	Pneumatic tire-commercial	R54		7227-2002	R54-00/S9
16	Driver Operated control	R60		6957-2001	R60-00/S1
17	Tire (L category)	R75	Re 1	6771-2001	R75-00/S1
18	Steering Equipment	R79		6786-2001	R79-01
19	Exhaust Emission	R83		- TCVN 6785 - QCVN 05.2009/BGTVT	R83



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## 3- Proposals

- The system of Technical Services:
  - Improving the system of test Labs in region
  - Provide a common requirements for Technical Services in region
  - Asking support from developed countries such as Japan, EU for technical expert training, test facility...for Asian's countries



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**Thanks for your attention!**



## Wrap Up

**Mr. Takao Onoda,  
Director, Engineering Policy Division,  
Road Transport Bureau,  
Ministry of Land Infrastructure, Transport and  
Tourism (MLIT), Japan**



## **Closing Address**

**Secretary  
Directorate General Land Transportation  
(DGLT), Indonesia**



# Memo



# Minutes



# Evaluation

**Attendee Survey**  
**The 2<sup>nd</sup> Public and Private Joint Forum in Asian region**  
**- The 16<sup>th</sup> JASIC ASIA GOVERNMENT/ INDUSTRY MEETING -**  
**Nov. 23 - 25, 2011**

Thank you for your participating in "the 2<sup>nd</sup> Public and Private Joint Forum in Asian region" in Indonesia. We would highly appreciate if you take a few minutes to answer the following questions.

Name: \_\_\_\_\_

Organization: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Country (Economy): \_\_\_\_\_

**1. As for the theme of 6th series of P/P Joint Forum, "Developing infrastructure in each country to realize mutual recognition of Whole Vehicle Type Approvals under UNECE framework with the regulations annexed to the 1958 Agreement"**

interesting

not so much of my interests

**--- Day 1 ---**

**2. As for the contents throughout Day 1**

easy

adequate

difficult

**3. Please evaluate length of time allocated each item.**

Speech

too long

enough

too short

Presentation

too long

enough

too short

Panel Discussion-1

too long

enough

too short

Question and Answer

too long

enough

too short

**4. Please write any questions and/or comments at this meeting (Day 1), if you have.**

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**--- Day 2 ---**

**1. As for the contents throughout Day 2**

easy                       enough                       difficult

**2. Please evaluate length of time allocated each item.**

Reports	<input type="checkbox"/> too long	<input type="checkbox"/> enough	<input type="checkbox"/> too short
Presentation	<input type="checkbox"/> too long	<input type="checkbox"/> enough	<input type="checkbox"/> too short
Panel Discussion-2	<input type="checkbox"/> too long	<input type="checkbox"/> enough	<input type="checkbox"/> too short
Question and Answer	<input type="checkbox"/> too long	<input type="checkbox"/> enough	<input type="checkbox"/> too short

**3. Please provide any comments and/or questions at this meeting (Day 2), if you have.**

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**---As for the P/P Joint Forum in the future ---**

**1. Please provide any additional comments on activity of P/P Joint Forum in the future, if you have.**

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**2. How to receive" Forum document /file.?"**

**Which would you prefer?**

Paper(present style)                       Download form JASIC' Website.

**3. Would you like to participate in the next P/P Joint Forum?**

Yes                       No

**4. For ones who answer No;**

**What is the reason why you do not want to participate?**

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**5. Other**

**Please write comments and/or questions concerning this meeting.**

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Thank you very much for your cooperation.