



# **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>

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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

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**

Mr. Sudirman Lambali Director of Road Transport and Traffic, Indonesia

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

Chairman of GAIKINDO (Gabungan Industri Kendaraan Bermotor Indonesia; The Association of Indonesia Automotive Industries) represented by Mr. Yohanes Nangoi (Co-Chairman of GAIKINDO)

**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**

Mr. Suroyo Alimoeso Director General Land Transport MOT, Indonesia

**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), Mr. Mohamad Malawat (Indonesia),

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

Mr. K.K.Gandhi (SIAM Indea)

**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  
Head of Road Transport Facilitation Sub directorate, Indonesia

**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), Mr. Mohamad Malawat (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**

Mr. Hendroputroko Secretary of Directorate General Land Transport, 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 16TH JASIC ASIA GOVERNMENT/INDUSTRY MEETING, JAKARTA 23-25 NOVEMBER 2011

NO.	Name	Company/Association	Material	Name Tag	Souvenir	Signature 23 Nov 2011	Signature 24 Nov 2011
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## CHINESE TAIPEI

①	HSU, CHIH-CHENG	VEHICLE SAFETY CERTIFICATION CENTER	✓	✓	✓	Hsu, Simon	Hsu, Simon
2	CHENG-LIANG, HSU	TTVMA	✓	✓	✓	Hsu	
3	SHENG-LUNG, HSU	TTVMA	✓	✓	✓	Hsu	Hsu,
4	CHUN-CHOU, HSU	TTVMA	✓	✓	✓	Hsu	Hsu
5	Nien-Hung, Chi	V S C C	✓	✓	✓	Nien	Nien
6	Xuan Yi	CATARC	✓	✓	✓	Xuan Yi	Xuan Yi
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CAMBODIA

1	DEBASIS JANA	DIRECTOR, HDTA DEPARTMENT OF HEAVY INDUSTRY INDIA	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
2	K.K GANDHI	SIAM INDIA	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
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14	NUR HARYONO	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓		
15	RITA EVITA	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓		
16	TRI WIDODO	PT. KRAMA YUDHA TIGA BERLIAN MOTORS	✓	✓	✓		
17	ARIF SETIAWAN	PT. KRAMA YUDHA TIGA BERLIAN MOTORS	✓	✓	✓		
18	WIDI BAGUS YULIANTO	PT. KRAMA YUDHA TIGA BERLIAN MOTORS	✓	✓	✓	Hedir	
19	LENNY NOVIATI	PT. HONDA PROSPECT MOTOR	✓	✓	✓	Jenny	Jenny
20	ANNA WIDIASIH	PT. HONDA PROSPECT MOTOR	✓	✓	✓		
21	HARJANTO	PT. HONDA PROSPECT MOTOR	✓	✓	✓		
22	AJI WIBOWO	PT. ASTRA OTOPARTS Tbk.	✓	✓	✓	an	
23	MAULANA HAKIM	PT. ASTRA OTOPARTS Tbk.	✓	✓	✓		
24	HERU SUTANTO	PT. ASTRA HONDA MOTOR	✓	✓	✓	Heru	Heru
25	R. ROBIANA	PT. ASTRA HONDA MOTOR	✓	✓	✓		
26	HERMAN SAMUEL COASON	PT. ASTRA HONDA MOTOR	✓	✓	✓		
27	KRISTIJANTO	PT. HINO MOTORS MFG. INDONESIA	✓	✓	✓		
28	GIRISA ANGGRAENI	PT. HINO MOTORS MFG. INDONESIA	✓	✓	✓		

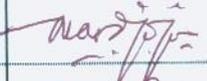
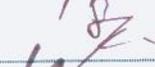
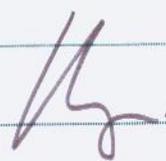
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NO.	Name	Company/Association	Material	Name Tag	Souvenir	Signature 23 Nov 2011	Signature 24 Nov 2011
29	RAMESH DIVYANATHAN	PT. BMW INDONESIA	✓	✓	✓	Hadir	
30	LUDY HARYANTO	GAIKINDO	✓	✓	✓		
31	ADHI DJATNIKA GUMBIRA	GAIKINDO	✓	✓	✓		
32	ERWIN DJUANA	PT. ISUZU ASTRA MOTOR INDONESIAI	✓	✓	✓		
33	RUDI PRAYITNO	PT. ASTRA HONDA MOTOR	✓	✓	✓		
34	ABDUR RAHIM	GAIKINDO	✓	✓	✓		
35	TRI WAHONO.B	PT. NISSAN MOTOR INDONESIA	✓	✓	✓		
36	IVO ARYANTO	GAIKINDO	✓	✓	✓		
37	AHMAD RIEVA MUCHSIN	PT. GARANSINDO INTER GLOBAL	✓	✓	✓		
38	HARI SASONO	PT. ASTRA HONDA MOTOR / AISI	✓	✓	✓		
39	NITYA WULANDARI	EUROPEAN BUSINESS CHAMBER OF COMMERCE ( EUROCHAM )	✓	✓	✓		
40	ANTON KUMONTY	GAIKINDO	✓	✓	✓	Hadir	
41	RESIYAH HARDIYANTI	EUROPEAN BUSINESS CHAMBER OF COMMERCE ( EUROCHAM )					
42	ELVINA	EUROPEAN BUSINESS CHAMBER OF COMMERCE ( EUROCHAM )	✓	✓	✓		
43	RIZKA NOVARIA	EUROPEAN BUSINESS CHAMBER OF COMMERCE ( EUROCHAM )					

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44	NORA GUITET	MICHELIN INDONESIA	✓	✓	✓		
45	RUDDY HERLAWANTO	PT. TUV RHEINLAND INDONESIA	✓	✓	✓		
46	ALAM BUCHORI	PT. SUZUKI INDOMOBIL MOTOR /AISI	✓	✓	✓		
47	TIYO BUDIAWAN	AISI/ YAMAHA	✓	✓	✓		
48	M. MASYKUR	AISI/ YAMAHA	✓	✓	✓		
49	SUTARYONO	AISI/ YAMAHA	✓	✓	✓		
50	ADI AHJADI	PT. KAWASAKI MOTOR INDONESIA	✓	✓	✓		
51	EDDY SUROWASONO	PT. TOYOTA ASTRA MOTOR/GAIKINDO	✓	✓	✓		
52	RAHMAT WAHJUDI MARDJOJO	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓		
53	Hadi Sanyaya Sim	PT TUV SUD Indonesia	✓	✓	✓		
54	Goh Chuu Teong	PT TUV SUD Indonesia	✓	✓	✓		
55	Ary Haryono	PT MERCEDES BENZ	✓	✓	✓		
56	Kekul	GAIAMM	✓	✓	✓		
57	FAORI ADI F	PT. ASTRA HONDA MOTOR	✓	✓	✓		
58	TRIWARSO W.P	PT. ASTRA HONDA MOTOR	✓	✓	✓		

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59	Rahmat w. ra	PT TAMAN / Gaikindo.	✓	✓	✓		
60	BAMERANG SUPRIATNO	ASII	✓	✓	✓		
61	HADI SURJADIPRAJIT	GRAMM	✓	✓	✓		
62	Henggoro	ASII	✓	✓	✓	hadir.	
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## INDONESIA

1	SUDIRMAN. MR	GAIKINDO					
2	JOHANNUS NANGOI	GAIKINDO	✓	✓	✓	H Mien	
3	JUWONO ANDRIANTO	GAIKINDO	✓	✓	✓	Juw	Juw
4	EDDY SUMEDI	GAIKINDO	✓	✓	✓	E	
5	NOEGARDJITO	GAIKINDO	✓	✓	✓		
6	FREDDY SUTRISNO	GAIKINDO	✓	✓	✓	Hadir	
7	BUDI PRASETYO SUSILO	GAIKINDO	✓	✓	✓	Hadir	
8	IRWAN PRIYANTOKO	PT. TOYOTA MOTOR MFG. INDONESIA					
9	EKO RUDIANTO	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓	Hadir	
10	JAKA PURWANTO	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓	Jaka	
11	KINSHO FUKUTA	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓	Kinsho	
12	MUAWIYYAH ISMAIL	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓	Muawiyah	
13	EMJUNAN SIHITE	PT. TOYOTA MOTOR MFG. INDONESIA	✓	✓	✓	Emjunan	

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14	YOSHIHIRO NANTO	JASIC	✓	✓	✓	Y. Nanto	
15	USHIO UENO	JASIC					
16	HIROSHI MORITA	JASIC	✓	✓	✓	森田	森田
17	MIYADAI MOTOHISA	JASIC	✓	✓	✓	中野人	中野人
18	YUKI TOBA	JASIC	✓	✓	✓	羽田	羽田
19	YOSHIAKI NANBU	JASIC	✓	✓	✓	南部	南部
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## JAPAN

1	MICHIO MIYAMOTO	JASIC	✓	✓	✓		
2	KIMINORI HYODO	JAPIA	✓	✓	✓		
3	AKIRA TOGASHI	JAPIA	✓	✓	✓		
4	TAKESHI ISHIKAWA	JASIC	✓	✓	✓		
5	SHIGEO YOSHIZAWA	JASIC	✓	✓	✓		
6	TAKAO ONODA	MLIT - JAPAN	✓	✓	✓		
7	TAKASHI OTOMO	MLIT - JAPAN	✓	✓	✓	Takashi Otomo	
8	ICHIHARU EHARA	MISSION OF JAPAN TO ASEAN	✓	✓	✓		
9	KENJI KAMITE	EMBASSY OF JAPAN IN INDONESIA	✓	✓	✓		
10	SHINICIRO OKA	JAMA SINGAPORE	✓	✓	✓		
11	HENG GUAN TOH	JAMA SINGAPORE	✓	✓	✓		
12	EIJI SAITO	NISSAN MOTOR CO.LTD	✓	✓	✓		
13	KEIKO YANAGI	JAMA	✓	✗	✓		

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## REPUBLIC OF KOREA

1	HYOUNG GU KIM	KATRI	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
2	HO YANG JEONG	MLTM	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
3	JAE KON SHIN	KATRI	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
4	SO YEON-AN	KOREA AUTOMOTIVE TECHNOLOGY INSTITUTE	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
5	SU YUN - KIM	KOREA AUTOMOTIVE TECHNOLOGY INSTITUTE	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
6	SEUNG REAL RYU	KOREA AUTOMOTIVE TECHNOLOGY INSTITUTE	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
7	CHONG HO, Kim	MLTM	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
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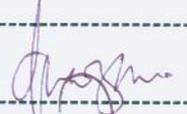
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## LAO PDR

1	ANOUSONE CHANTHAPHONH	MINISTRY OF PUBLIC WORKS AND TRANSPORTS	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
2	THONGVANH PHETHAVISENG	MINISTRY OF PUBLIC WORKS AND TRANSPORTS	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
3	SOMNUK MEKTAKUL	DEPARTMENT OF TRANSPORT, MINISTERI	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
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14	MIRZA BIN ZAINUDIN	DEPT. ENVIRONMENT/JABATAN ALAM SEKITAR	✓	✓	✓		
15	MUAZAM MOKTAR	MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY	✓	✓	✓		
16	MOHD TAVFIK ISHAK	MOT	✓	✓	✓		
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**MALAYSIA**

1	YANTI BINTI NORDIN	PROTON	✓	✓	✓	<i>Yanti</i>	<i>Yanti</i>
2	TENGGU AZIZAN TENGKU AHMAD	PROTON	✓	✓	✓	<i>T.A.A.</i>	<i>T.A.A.</i>
3	IRIS PEREIRA	HONDA MALAYSIA SDN BHD	✓	✓	✓	<i>Iris</i>	<i>Iris</i>
4	MOHAMED AKBAR DANIAL	HONDA MALAYSIA SDN BHD	✓	✓	✓	<i>M.A.D.</i>	
5	GOH WEI PING	MASAAM ( MOTORCYCLE AND ASSEMBLERS AND DISTRIBUTORS ASSOCIATION OF MALAYSIA )	✓	✓	✓	<i>W.P.</i>	<i>W.P.</i>
6	PUTRA EZREE BIN IZHAM	BOON SIEW HONDA SDN. BHD	✓	✓	✓	<i>E.I.</i>	
7	MOHD.TAJUDIN BIN LOMAN	BOON SIEW HONDA SDN. BHD	✓	✓	✓	<i>T.L.</i>	
8	ZURAINI BIN KAMIS	PERODUA	✓	✓	✓	<i>Z.K.</i>	
9	DATO' SYED MOHAMAD AIDID	MASAAM ( MOTORCYCLE AND ASSEMBLERS AND DISTRIBUTORS ASSOCIATION OF MALAYSIA )					
10	KHALILI ZULKIFLI	MASAAM ( MOTORCYCLE AND ASSEMBLERS AND DISTRIBUTORS ASSOCIATION OF MALAYSIA )	✓	✓	✓	<i>K.Z.</i>	
11	KAZUSHI ARIMA	VEHICLE CERTIFICATION AGENCY	✓	✓	✓	<i>K. Arima</i>	
12	MOHD. RAZIFNIZAM BIN REMAELI	PA ASSEMBLY SDN. BHD	✓	✓	✓	<i>R.N.</i>	
13	MOH.SHARULNIZAM BIN SARIP	( JASIC ) ROAD TRANSPORT DEPTMENT OF MALAYSIA	✓	✓	✓	<i>S.S.</i>	<i>S.S.</i>

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MINISTRY OF INDUSTRY

1	RUDIYONO SUMONO	MINISTRY OF INDUSTRY					
2	<i>M. H. Sa</i>	<i>MoI</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>		<i>Asu</i>
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## THE 16TH JASIC ASIA GOVERNMENT/INDUSTRY MEETING, JAKARTA 23-25 NOVEMBER 2011

NO.	Name	Company/Association	Material	Name Tag	Souvenir	Signature 23 Nov 2011	Signature 24 Nov 2011
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## MINISTRY OF TRANSPORTATION

1	SOEROYO ALIMOESO	MINISTRY OF TRANSPORTATION	✓	✓	✓	Hadiv	
2	SUDIRMAN LAMBALI	MINISTRY OF TRANSPORTATION	✓	✓	✓		
3	TOTO NOERWITJAKSONO	MINISTRY OF TRANSPORTATION	✓	✓	✓	Prisma	Prisma
4	MOHAMAD MALAWAT	MINISTRY OF TRANSPORTATION	✓	✓	✓	Amhame	Amhame
5	SAIFUL BACHRI	MINISTRY OF TRANSPORTATION	✓	✓	✓	Amhame	
6	DINARYATI	MINISTRY OF TRANSPORTATION	✓	✓	✓	Hadiv	
7	IMAN ALAMSYAH	MINISTRY OF TRANSPORTATION	✓	✓	✓	Amhame	Amhame
8	AGUNG AYU YUNITA	MINISTRY OF TRANSPORTATION	✓	✓	✓	Amhame	Amhame
9	YUNITA MALINDA LATING	MINISTRY OF TRANSPORTATION	✓	✓	✓	Yunita	Yunita
10	IRWAN ARIFianto	MINISTRY OF TRANSPORTATION	✓	✓	✓	Amhame	
11	ARIFIN	MINISTRY OF TRANSPORTATION	✓	✓	✓	Amhame	Amhame
12	RIDNAL GIROT	MDT	✓	✓	✓	Amhame	
13	Danny Irawan	MDT	✓	✓	✓	Amhame	



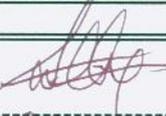
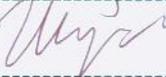
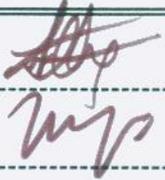
## THE 16TH JASIC ASIA GOVERNMENT/INDUSTRY MEETING, JAKARTA 23-25 NOVEMBER 2011

NO.	Name	Company/Association	Material	Name Tag	Souvenir	Signature 23 Nov 2011	Signature 24 Nov 2011
<b>PHILIPPINES</b>							
1	BEVERLY CADAIVOS SABELA	LAND TRANSPORTATION OFFICE	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
2	VIRGINIA P. TORRES	LAND TRANSPORTATION OFFICE	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
3	ARNEL RADAN MANRESA	DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
4	JUN ASIS BIOCO	CHAMBER OF AUTOMOTIVE MANUFACTURERS OF THE PHILIPPINES (CAMPI)	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
5	HOMER ATIENZA MARANAN	CHAMBER OF AUTOMOTIVE MANUFACTURERS OF THE PHILIPPINES (CAMPI)	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
6	CECILE PAGKATIPUNAN SANTIAGO	CHAMBER OF AUTOMOTIVE MANUFACTURERS OF THE PHILIPPINES (CAMPI)	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
7	ROBERT DALOLO CARLOS	CAMPI/ISUZU PHILIPPINES CORPORATION	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
8	BENJIE ESCONDE DIONELA	TMPC/CAMPI	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
9	ROBERTO TAPIA RONGAVILLA	MDPA	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
10	MARVIN MARCELO AQUINO	MDPA	✓	✓	✓	<i>[Signature]</i>	<i>[Signature]</i>
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**SINGAPORE**

1	SIM TECK HENG	NATIONAL ENVIRONMENT AGENCY	✓	✓	✓		
2	TAN KWEE MENG NICK	NATIONAL ENVIRONMENT AGENCY	✓	✓	✓		
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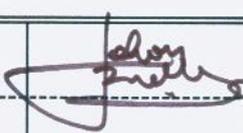
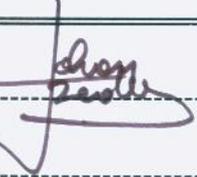
## THAILAND

1	PHULPORN SAENGBANGPLA	TISI	✓	✓	✓	P. Saengbangpla	P. Saengbangpla
2	CHUCKRIT TANGCHAITRONG	DEPARTMENT OF LAND TRANSPORT	✓	✓	✓	Ch. Tangchaitrong	Ch. Tangchaitrong
3	JIRAPORN KAEWKRAISORN	DEPARTMENT OF LAND TRANSPORT	✓	✓	✓	J. Khairawan	J. Khairawan
4	SITTI LIMPANAWONGSAEN	GENERAL MOTORS ( THAILAND ) LTD	✓	✓	✓	S. Limpanawongsaen	S. Limpanawongsaen
5	KHANCIT CHAISUPHO	GENERAL MOTORS ( THAILAND ) LTD					
6	SHIYA AZUMA	ASIAN HONDA MOTORS CO. LTD ( THAILAND )					
7	NANAMI SAKAKIBARA	TOYOTA MOTOR ASIA PACIFIC ENGINEERING & MFG.CO, LTD	✓	✓	✓	N. Sakakibara	N. Sakakibara
8	NGUYEN VAN ICH	MINISTRY OF TRANSPORT					
9	PRASERT ANGKAWINIJWONG	THE THAI AUTOMOTIVE INDUSTRY ASSOCIATION	✓	✓	✓	P. Angkawinijwong	P. Angkawinijwong
10	BANPOCH TENGWONGWATTANA	THE THAI AUTOMOTIVE INDUSTRY ASSOCIATION	✓	✓	✓	B. Tengwongwattana	B. Tengwongwattana
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## THE 16TH JASIC ASIA GOVERNMENT/INDUSTRY MEETING, JAKARTA 23-25 NOVEMBER 2011

NO.	Name	Company/Association	Material	Name Tag	Souvenir	Signature 23 Nov 2011	Signature 24 Nov 2011
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**EUROPEAN UNION**

1	JOHAN RENDERS	EUROPIAN COMMISSION - BELGIUM	✓	✓	✓		
2	MARTIN GERSTL	CLEPA - GERMANY					
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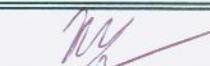
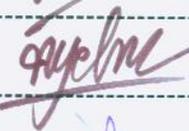
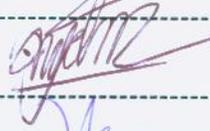
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1	Kazuho Arima	VCA					
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## VIETNAM

1	KY HONG NGUYEN	VAMA	✓	✓	✓		
2	NGUYEN VAN ICH	MINISTRY OF TRANSPORT	✓	✓	✓		
3	NGUYEN DONG PHONG	VIETNAM REGISTER-MINISTRY OF TRANSPORT	✓	✓	✓		
4	<del>VU THLHAI YEN</del>	<del>VAMA</del>					
5	DO HUU DIIC	VIETNAM REGISTER	✓	✓	✓		
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# The 2<sup>nd</sup> Public and Private Joint Forum in Asian region

- Day 1 -



# Welcome Speech

**Mr. Sudirman Lambali**  
**Director**  
**Road Traffic and Transport, Indonesia**

**WELCOMING SPEECH**  
**DIRECTOR OF ROAD TRAFFIC AND TRANSPORT**  
**FOR THE 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (THE 16<sup>TH</sup>**  
**JASIC ASIA GOVERNMENT AND INDUSTRY MEETING)**  
**JAKARTA, 23 – 25 NOVEMBER 2011**

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DISTINGUISHED,

1. DIRECTOR OF ROAD TRANSPORT BUREAU, MINISTRY OF LAND, INFRASTRUCTURE, TRANSPORT AND TOURISM JAPAN;
2. DIRECTOR GENERAL OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
3. HEAD OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
4. EXECUTIVE DIRECTOR OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
5. DIRECTORS IN THE SCOPE OF THE DIRECTORATE GENERAL OF LAND TRANSPORTATION, MINISTRY OF TRANSPORTATION;
6. HEAD OF CENTER FOR THERMODYNAMICS, ENGINES AND PROPULSION, AGENCY FOR ASSESSMENT AND APPLICATION OF TECHNOLOGY;
7. CHAIRMEN OF AUTOMOTIVE ASSOCIATIONS;
8. DELEGATES FROM PARTICIPATING COUNTRIES.

LADIES AND GENTLEMEN,

**ASSALAMMU'ALAIKUM WR. WB.**

**GOOD MORNING AND GREETINGS TO ALL OF YOU,**

FIRST AND FOREMOST, LET US ALL PRAISE ALLAH SWT FOR HIS ABUNDANT BLESSINGS, HENCE TODAY WE ARE ABLE TO GATHER HERE TO PARTICIPATE IN THE: 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (THE 16<sup>TH</sup> JASIC ASIA GOVERNMENT AND INDUSTRY MEETING).

IN THIS OPPORTUNITY, I WOULD LIKE TO EXTEND MY WARM GREETINGS AND GRATITUDE TO ALL THE PARTICIPANTS ATTENDING THIS EVENT. I WOULD ALSO LIKE TO SAY WELCOME TO THE JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER AND MINISTRY OF LAND, INFRASTRUCTURE, TRANSPORT AND TOURISM JAPAN, AS WELL AS THE COUNTRY DELEGATES WHO HAVE COME TO ATTEND THIS MEETING AS WELL AS VISIT OUR BEAUTIFUL COUNTRY, INDONESIA.

#### **HONORABLE GUESTS,**

INDONESIA IS THE LARGEST ARCHIPELAGO IN THE WORLD, LOCATED IN BETWEEN TWO CONTINENTS; ASIA AND AUSTRALIA, AND LOCATED IN BETWEEN TWO OCEANS. THIS POSITION HAS A MAJOR AND STRATEGIC INFLUENCE TOWARDS THE CULTURE, SOCIAL LIFE, POLITICS, AND ECONOMY OF INDONESIA.

THERE IS RICH HERITAGE OF ART AND CULTURE IN INDONESIA, INCLUDING THE TRADITIONAL JAVANESE AND BALINESE DANCE. IN THE FASHION INDUSTRY, WE ALSO POSSESS THE WORLD RENOWN BATIK, AND IN MUSIC, WE HAVE KERONCONG, GAMELAN, AS WELL AS DANGDUT THAT IS A POPULAR GENRE AMONG THE INDONESIAN PEOPLE AND HAS ALSO BEEN INTRODUCED TO THE INTERNATIONAL SOCIETY.

THE PANORAMIC BEAUTY OF INDONESIA IS WORLDLY RENOWN, SUCH AS THE BEAUTY YOU CAN FIND IN THE ISLAND OF BALI, LOMBOK, THE KOMODA ISLAND IN EAST NUSA TENGGARA, ALSO OTHER UNIQUE AREAS, SUCH AS

YOGYAKARTA, WHERE ABUNDANT BEAUTIFUL SCENERIES CAN BE FOUND AND AN INTERESTING WIDE VARIETY OF CULTURAL PRODUCTS.

THERE ARE TWO SEASONS HERE IN INDONESIA. WE HAVE THE RAINY SEASON AND THE DRY SEASON. INDONESIA COMPRISES OF 33 (THIRTY-THREE) PROVINCES, INCLUDING TWO SPECIAL REGIONS AND ONE SPECIAL CAPITAL REGION, WHICH IS JAKARTA. AS THE COUNTRY'S CAPITAL CITY, JAKARTA OWN ITS UNIQUE IDENTITY AND SYMBOL, WHICH IS THE NATIONAL MONUMENT OR MORE POPULARLY KNOWN AS "MONAS", LOCATED AT THE HEART OF THE CAPITAL, IN CENTRAL JAKARTA. JAKARTA, THE LOCATION OF OUR MEETING TODAY, IS ALSO KNOWN AS THE HUB OF ECONOMIC, CULTURAL, AND POLITICAL ACTIVITIES.

WHEN TRAVELING IN JAKARTA, YOU MAY STILL FIND SOME CONGESTION IN SEVERAL SPOTS ACROSS THE CITY. THAT IS WHY, WE HAVE THE "BAJAJ" TRANSPORT MODE FOR SHORT DISTANCE TRAVELING; AND FOR LONG-DISTANCE TRAVELING WITHIN THE CITY WE PROVIDE FOR YOUR CONVENIENCE THE TRANSJAKARTA OR ALSO KNOWN AS THE BUSWAY TO OVERCOME THOSE TRAFFIC PROBLEMS. JAKARTA ALSO OFFERS YOU WITH A VARIETY OF ART PRODUCTS, AN UNFORGETTABLE CULTURAL AND CULINARY EXPERIENCE, AND EXCITING ENTERTAINMENT THAT REPRESENTS INDONESIA'S UNIQUENESS.

### **DISTINGUISHED PARTICIPANTS,**

I INVITE ALL THE PARTICIPANTS HERE, ESPECIALLY OUR FOREIGN DELEGATES TO ENJOY THE BEAUTIFUL PANORAMIC ATMOSPHERE AND THE DIVERSE ARTS, CULTURE, AND CULINARY TREATS THAT INDONESIA CAN OFFER, ESPECIALLY HERE IN JAKARTA.

FURTHERMORE, I HOPE THIS EVENT CAN GENERATE CONSTRUCTIVE IDEAS, COMMENTS, AND INPUTS. LAST BUT NOT LEAST, I INVITE THE PARTICIPANTS

OF THIS MEETING TO THOROUGHLY AND DULY FOLLOW EACH ITEM OF THE AGENDA ACCORDING TO WHAT WE HAVE PLANNED TOGETHER, SO THAT WE CAN ACHIEVE OUR MUTUAL GOAL.

MAY GOD AL-MIGHTY ALWAYS SHOWER US WITH HIS GRACE AND BLESSINGS.

**WASSALAMMU'ALAIKUM WR. WB.**

JAKARTA, 23 NOVEMBER 2011

**DIRECTOR OF ROAD TRAFFIC AND TRANSPORT**

**IR. SUDIRMAN LAMBALI, S.SOS, MSI**  
PEMBINA UTAMA MADYA (IV/D)  
**NIP. 19541004 197903 1 006**



## **Welcome Address from Industry**

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



## Opening remarks



## 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. Sudirman Lambali who is Director of Road Transport and Traffic, Indonesia, 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

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

23-25 November 2011

*Takao ONODA*

*Director for Implementation of International Agreements,  
Engineering Policy Division, MLIT*

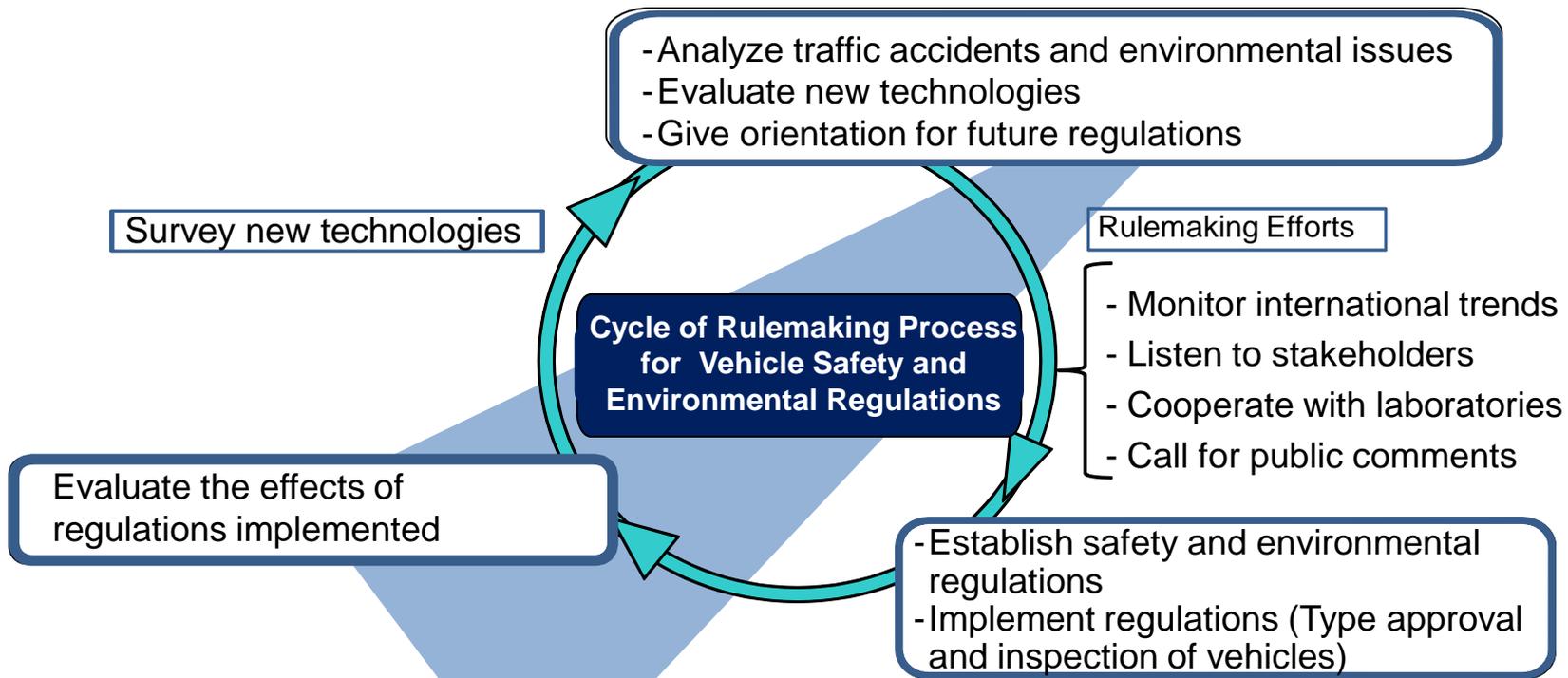


- 1. Japan's Activities on harmonization of vehicle regulations**
- 2. Cooperation activities with Asian countries**
- 3. Conclusion**



# **1. Japan's Activities on harmonization of vehicle regulations**

- Japan has been establishing vehicle safety and environmental regulations with transparency based on the results of accident analyses, trends in new technologies, etc. The regulations are scientific, well-balanced in effect and cost, and open to technological diversity.



## Examples of Improvement of Safety and Environmental Regulations

- Spread of hybrid vehicles fastest in the world
  - => Introduced, first in the world, the regulation on protection against electric shock and the guideline on quietness of electric vehicles
- Serious air pollution along urban streets with nitrogen dioxide (NO<sub>2</sub>), suspended particulate matters (SPM), etc.
  - => Established the world's most stringent diesel emission regulations, taking into account trends in technological development.
- Most of fossil fuels depend on import from abroad
  - => Developed the world's most stringent fuel efficiency regulations with top-runner approach, while actively adopting new technologies.

- Through harmonization of regulations and mutual recognition of certification, it is possible to promote safer and more environmentally-friendly motor vehicles around the world.
- This not only enables governments to cut administration costs, but also allows the automobile industry to reduce development, certification, and production costs through unification of vehicle design specifications and standardization of parts, to build up global and flexible supply chains, and, consequently, to concentrate more resources on the development of safety and environmental technologies.
- Motor vehicle users also benefit not only from the spread of safer and more environmentally-friendly motor vehicles, but also from reduction in vehicle prices resulting from reduced costs.

## Motor Vehicle Users

- Spread of safer and more environmentally-friendly motor vehicles
- Accessible vehicle prices

## Automakers, etc.

- Unified design specifications and standardized parts
  - Reduced development, certification, and production costs
  - Global and flexible supply chains
- More resources to the development of safety and environmental technologies

Harmonization  
of  
Regulations  
  
Mutual  
Recognition of  
Certification

## Governments

- More efficient rulemaking process
- Streamlined examination process for certification



- Established a high-level meeting consisting of representatives from both public and private sectors\*.
- Studied how the internationalization of the regulation and certification system should be and developed the Action Plan.
- Identified measures to be taken to level the playing field for automakers with technological edges to play active roles in globalizing international auto markets, without damaging the primary role of the vehicle regulations and certification system, which is to ensure vehicle safety and preserve environment.

## Four Pillars of the Action Plan

- Strategically make state-of-the-art technologies and regulations an international standard.
- Develop partnership with other Asian countries
- Establish an international whole vehicle type approval system
- Enhance resources in response to the globalization of regulation and certification system

\*Members of the high-level meeting include;

- Syuji IKEGUCHI, Senior Vice-Minister of Land, Infrastructure , Transport and Tourism,
- Toshiyuki SHIGA, Chairman of the Japan Automobile Manufacturers Association, Inc. (JAMA),
- Kenji NAKAKURA, Chairman of the Japan Automobile Tyre Manufacturers Association, Inc. (JATMA), and
- Hisataka NOBUMOTO, Chairman of the Japan Auto Parts Industries Association (JAPIA).



## **2. Cooperation activities with Asian countries**

- Asian countries are rapidly growing. For Japan, they are promising auto markets and, at the same time, important international partners. From the growth strategy, it is imperative to improve environment for Japanese automakers to play active roles, while promoting the growth, safety, and security of Asian countries.
- We will work with other Asian countries so as to enhance the contributions of Asia to WP.29 and to expand the accession to the 1958 Agreement, and, as a result, to promote the harmonization of regulations and mutual recognition of certification.
- To this end, we will work on two fronts: a multilateral framework through government/industry joint forums, etc. and bilateral cooperation through meetings of minister-level officials, seminars, and dispatch of experts, etc.

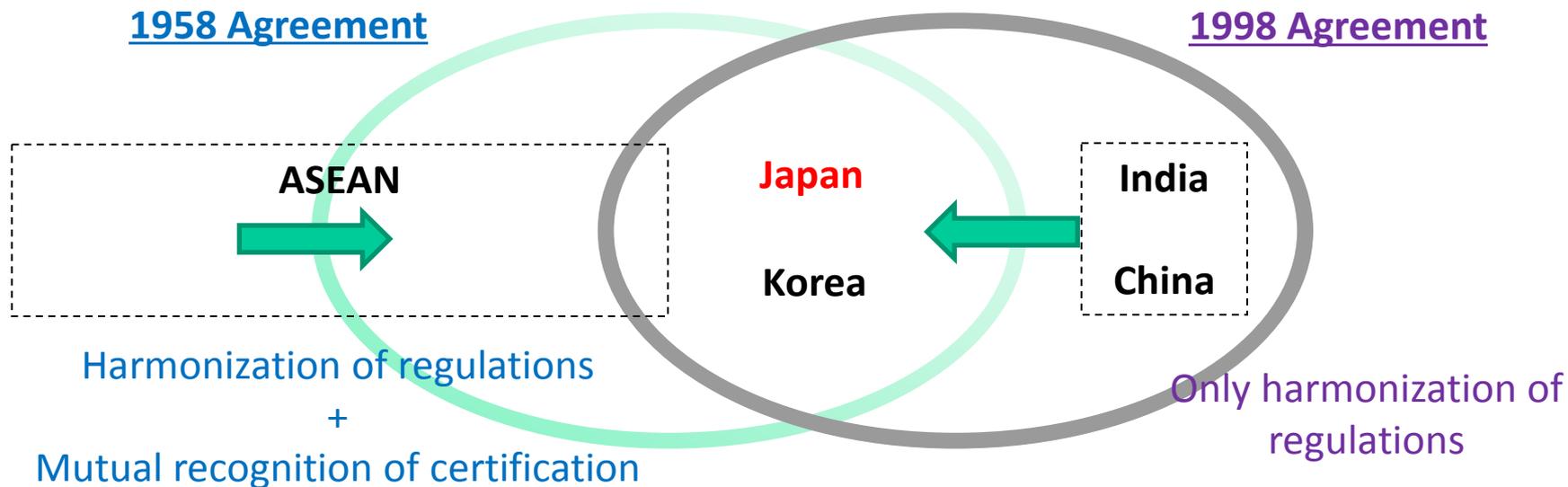
Asia as Growing Auto Markets

Asia as International Partners

Promote the harmonization of regulations and mutual recognition of certification through expansion of accession to the 1958 Agreement

1958 Agreement

1998 Agreement



Within the framework of “*Automobile Technical Cooperation Project on Safety and Environment*” under ASEAN-Japan Transport Partnership(AJTP), MLIT of Japan proposed to initiate a new program for further fostering cooperative relationship with ASEAN Member States in this field namely “*ASEAN-Japan Cooperative Program on Development of Technical Regulations and Establishment of a Type Approval System for Vehicles*”. The Program was endorsed at the 8<sup>th</sup> ASEAN-Japan Transport Ministers Meeting held on 12<sup>th</sup> November 2010 in Brunei Darussalam.

## Background

- Rapid motorization along with economic development and globalization.
- Regional environmental issues and traffic accidents become serious concerns.
- Economic integration by 2015.

## Areas of Assistance

- (1) Improvement of laws, regulations and organizations
- (2) Development of technical regulations
- (3) Establishment of a type approval system
- (4) Promotion of international harmonization of technical regulations
- (5) Promotion of mutual recognition of approval
- (6) Accession to the UN agreement
- (7) Assessment on conformity of production

## Ways of Assistance

- (A) Policy dialogue
- (B) Public-private joint forum
- (C) Training courses
- (D) Dispatching experts

## note

- Specific measures have been listed in ANNEX as of April 19, 2011 and will be implemented in cooperation with ASEAN and Japan.
- Specific measures listed in ANNEX will be updated frequently.

Specific Measures listed in the **ANNEX as of April 19, 2011** of the “*ASEAN-Japan Cooperative Program on Development of Technical Regulations and Establishment of a Type Approval System for Vehicles*”

1. **Public and Private Joint Forum in Asian region**  
being held.
2. **ASEAN Forum on WP29**  
being held.
3. **ACCSQ-APWG Workshop**  
The Workshop was held on 19<sup>th</sup> September 2011.
4. **Advanced Training Course**  
The Training Course will be held in 2012.
5. **JICA Training Course**  
The Training Course will be held on February 2012.
6. **JASIC Asia Expert Meeting**  
Expert Meeting in Philippines, Vietnam, Malaysia was held in July, August, October respectively.  
In addition, Expert Meeting in Indonesia is under preparation.
7. **Technical Assistance to Philippines**  
A new project for technical assistance to Philippines was launched in August.

note: Specific Measures listed in ANNEX will be updated frequently

## Background

- “Development and Operationalising Mutual Recognition Arrangements (MRAs)” and “Establishing Common Rules for Standards and Conformity Assessment Procedures” are identified as the Prioritized Projects in the Master Plan on ASEAN Connectivity.
- The activities for possible harmonization ASEAN automotives safety and emission standards and MRAs have been implementing in ASEAN Consultative Committee for Standards and Quality (ACCSQ) - Automotive Product Working Group (APWG).
- ASEAN-Japan Cooperative Program on Development of Technical Regulations and Establishment of a Type Approval System for Vehicles (hereafter “Corporate Program”) was endorsed in 8<sup>th</sup> ASEAN and Japan Transport Ministers Meeting held on November 2010.
- To facilitate the establishment of an efficient and integrated transport system in ASEAN, LTG-6 (Land Transport Goal-6) “Enhance human, technical and Institutional capacity with harmonized standards in AMS (ASEAN Member States)” in ASEAN Strategic Transport Plan (Brunei Action Plan) will need to be implemented.

## Objective

- To assist development and implementation of ASEAN-wide harmonized vehicle regulations and certification, as well as facilitate the establishment of an efficient and integrated transport system in ASEAN
- More specifically, to implement possible approaches synthetically such as advising implementation on regulation and organizational structure, and capacity building about implementation of a system depending on the situation of each countries.

(Provisional) Project

1 : Survey of the current situations

- ◆ Survey of the current situations of ASEAN countries such as existing vehicle regulations and certification, existing system, past approach of the vehicle regulations and certification and so on.
- ◆ Case study of introduction and implementation on motor vehicle regulations and certification in Japan and other countries

2 : Analysis of the impact of new vehicle regulations and certification

- ◆ Analysis on bottleneck, safety and environment, stakeholders, society and so on

3 : Development of the implementation approaches

- ◆ Proposal regarding concept of motor vehicle regulations and certification, implementation system (organizational structure, role, committee, personnel), schedule of the implementation, etc.
- ◆ Preparation of draft of new vehicle regulations and certification

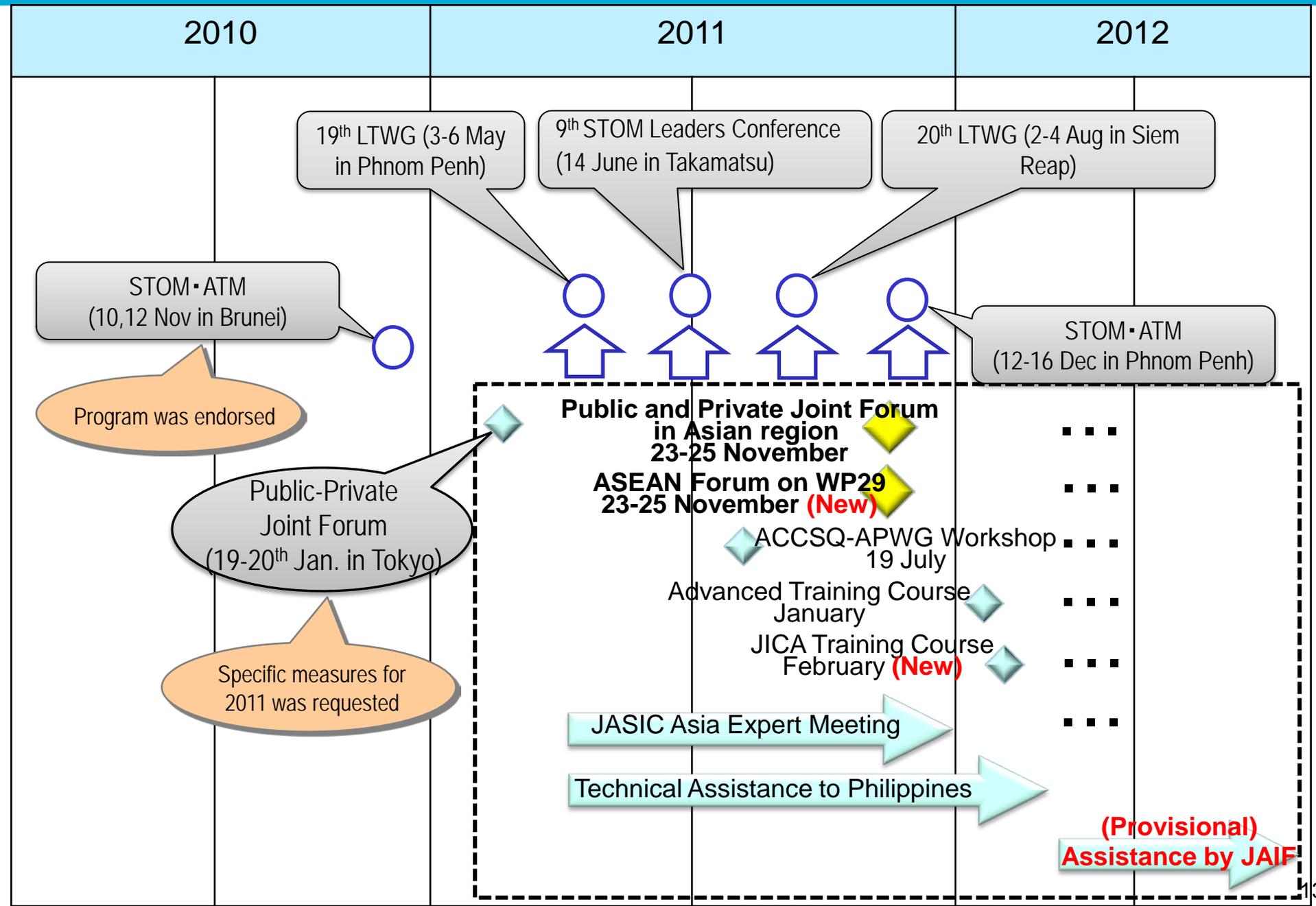
4 : Seminar and training

- ◆ Seminars for both public and private stakeholders and training necessary for the implementation on new vehicle regulations and certification etc.

5 : Forum and workshop

- ◆ Forums to share the result of this project with all the ASEAN countries.
- ◆ Workshops about regulations of new technologies for all the ASEAN countries.

# 2-5 Schedule of the Program





□ Japan have established a high-level meeting consisting of representatives from both public and private sectors, and developed the Action Plan which is to ensure vehicle safety and protect environment.

□ To develop partnership with Asian countries, Japan will work on one hand in a multilateral framework through public/private joint forums, and, on the other hand, in bilateral partnership through meetings of minister-level officials, seminars, and dispatch of experts, etc.

**Thank you for your attention!**



**MLIT**



## Keynote Speech-2

**Mr. Suroyo Alimoeso**  
General Director  
Directorate General Land Transportation  
(DGLT), Indonesia

**KEYNOTE SPEECH**  
**DIRECTOR GENERAL OF LAND TRANSPORTATION**  
**FOR THE 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (THE**  
**16<sup>TH</sup> JASIC ASIA GOVERNMENT AND INDUSTRY MEETING)**  
**JAKARTA, 23 – 25 NOVEMBER 2011**

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DISTINGUISHED,

1. DIRECTOR OF ROAD TRANSPORT BUREAU, MINISTRY OF LAND, INFRASTRUCTURE, TRANSPORT AND TOURISM JAPAN;
2. DIRECTOR GENERAL OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
3. HEAD OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
4. EXECUTIVE DIRECTOR OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
5. DIRECTORS IN THE SCOPE OF THE DIRECTORATE GENERAL OF LAND TRANSPORTATION, MINISTRY OF TRANSPORTATION;
6. HEAD OF CENTER FOR THERMODYNAMICS, ENGINES AND PROPULSION, AGENCY FOR ASSESSMENT AND APPLICATION OF TECHNOLOGY;
7. CHAIRMEN OF AUTOMOTIVE ASSOCIATIONS;
8. DELEGATES FROM PARTICIPATING COUNTRIES.

LADIES AND GENTLEMEN,

**ASSALAMMU'ALAIKUM WR. WB.**  
**GOOD MORNING AND GREETINGS,**

FIRST AND FOREMOST, LET US PRAISE ALLAH SWT, BECAUSE OF HIS BLESSINGS; WE ARE ABLE TO ASSEMBLE HERE TODAY TO PARTICIPATE IN THE 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (THE 16<sup>TH</sup> JASIC ASIA GOVERNMENT AND INDUSTRY MEETING).

THE THEME OF THIS MEETING IS TO PROMOTE INTERNATIONAL WHOLE TYPE APPROVALS (IWVTA) AND COMPLY WITH THE UNITED NATIONS REGULATION, AS WELL AS TO ESTABLISH AND DEVELOP MUTUAL RECOGNITION OF TYPE APPROVALS (MRA).

THIS MEETING IS CONDUCTED AS PART OF THE ASEAN-JAPAN COOPERATION PROGRAM, IN PARTICULAR, THE COOPERATION BETWEEN GOVERNMENTS AND INDUSTRIES IN THE ASIAN REGION, FOR THE PURPOSE OF DEVELOPING TECHNICAL REGULATIONS AND BUILDING A VEHICLE TYPE APPROVAL SYSTEM.

THE OBJECTIVE OF THIS EVENT IS TO REALIZE INTERNATIONAL HARMONIZATION OF MOTOR-VEHICLE REGULATIONS AND PROMOTE MUTUAL RECOGNITION OF TYPE APPROVALS (OR MRA), AND TO ALSO ENHANCE COLLABORATIVE PARTICIPATION AMONG COUNTRIES IN THE ASIAN REGION.

**LADIES AND GENTLEMEN,**

IN FACING THE CHALLENGES OF GLOBALIZATION IN THE AUTOMOTIVE SECTOR, COUNTRIES ARE URGED TO COMPLY WITH UN REGULATIONS AND INTRODUCE INTERNATIONAL WHOLE VEHICLE TYPE APPROVALS (IWVTA) IN THEIR RESPECTIVE COUNTRY, IN ORDER TO REALIZE HARMONIZATION OF REGULATIONS AND ESTABLISH MUTUAL RECOGNITION OF TYPE APPROVALS (MRA) AT THE REGIONAL AND GLOBAL LEVEL.

FOR THAT REASON, PREPARATIONS NEED TO BE MADE TO FACE THOSE CHALLENGES. THE POTENTIAL THAT WE HAVE NEEDS TO BE OPTIMIZED, WHETHER IT IS POTENTIAL IN HUMAN RESOURCES, FACILITIES AND INFRASTRUCTURE, AS WELL AS POTENTIAL OF THE EXISTING REGULATIONS.

FOR YOUR INFORMATION, DURING THE 14<sup>TH</sup> ASEAN CONSULTATIVE COMMITTEE OF STANDARD AND QUALITY (ACCSQ), AUTOMOTIVE PRODUCT WORKING GROUP (APWG) THAT WAS HELD IN BRUNEI DARUSSALAM LAST OCTOBER, TWO DIFFERENT OPINIONS ON THE ASEAN-MRA CONCEPT EMERGED. THE FIRST OPINION EXPRESSED THAT THE MRA MUST BE IMPLEMENTED ON PRODUCTS THAT ARE “MANUFACTURED AND MARKETED” AND IS EXCLUSIVE ONLY FOR ASEAN COUNTRIES. THE SECOND OPINION EXPRESSES THAT MRA IS IMPLEMENTED FOR “MANUFACTURED OR MARKETED” PRODUCTS AND IS INCLUSIVE FOR OTHER COUNTRIES OUTSIDE OF ASEAN BY EMPHASIZING SAFETY AND QUALITY PRODUCTS.

IN REGARDS TO THE ASEAN-MRA, THE MEETING HAS ALSO AGREED TO IMPLEMENT THE SELECTED 19 UN REGULATIONS BY 2015.

ASIDE FROM THAT, ONE OF THE MAJOR NATIONAL CHALLENGES BEING FACED IS THE ISSUE OF SAFETY, WHERE SAFETY HAS BEEN ONE OF THE BASIC PRINCIPLES OF TRANSPORTATION.

ACCORDING TO A REPORT ISSUED BY THE INDONESIAN POLICE DEPARTMENT IN 2010, THE NUMBER OF FATALITIES DUE TO ROAD ACCIDENTS HAS REACHED 31,234 LIVES, WHICH MEANS THAT EVERY HOUR THREE TO FOUR INDIVIDUALS DIE BECAUSE OF TRAFFIC ACCIDENTS.

THE PROBLEMS OF ROAD SAFETY ARE NOT ONLY ADDRESSED AT A NATIONAL SCALE, BUT THIS HAS ALSO BECOME A GLOBAL PROBLEM.

## **DISTINGUISHED PARTICIPANTS,**

TO ENSURE ALL ASPECTS OF ROAD SAFETY, AT THE NATIONAL LEVEL, WE HAVE CLASSIFIED THESE ASPECTS INTO FIVE PILLARS BY USING THE WORLD HEALTH ORGANIZATION APPROACH IN THE IMPLEMENTATION OF ROAD SAFETY. THOSE FIVE PILLARS ARE:

1. ROAD SAFETY MANAGEMENT;
2. SAFER ROADS;
3. SAFER VEHICLES;
4. SAFER ROAD USERS;
5. POST ACCIDENT VICTIM MANAGEMENT (OR ROAD SAFETY AND HEALTH).

AT THE OPERATIONAL LEVEL, EACH OF THESE PILLARS WILL BE IMPLEMENTED BY WORKING GROUPS COMPRISED OF MEMBERS REPRESENTING A COMBINATION OF MINISTRIES OR INSTITUTIONS RELATED TO ROAD SAFETY.

IN FACING INDONESIA'S NATIONAL CHALLENGE, THE DIRECTOR GENERAL OF LAND TRANSPORTATION HAS ESTABLISHED THE INDONESIAN AUTOMOBILE STANDARDS INTERNATIONALIZATION FORUM (IASIF) TO OPTIMIZE AND DEVELOP THE POTENTIAL THAT INDONESIA POSSESSES, ESPECIALLY IN ADDRESSING THE THIRD PILLAR, WHICH IS SAFER VEHICLES.

## **DISTINGUISHED LADIES AND GENTLEMEN,**

IN THIS MEETING, WE HIGHLY EXPECT YOUR VALUABLE ADVICE AND INPUTS RELATED TO THE HARMONIZATION OF MOTOR VEHICLE STANDARDS AND REGULATIONS AT THE REGIONAL AND INTERNATIONAL LEVEL, ALSO ON MANAGING ROAD SAFETY.

MAY GOD AL-MIGHTY ALWAYS SHOWER US WITH HIS GUIDANCE.

**WASSALAMMU'ALAIKUM WR. WB.**

JAKARTA, 23 NOVEMBER 2011

**DIRECTOR OF ROAD TRAFFIC AND TRANSPORT**

**DRS. SUROYO ALIMOESO**  
**PEMBINA UTAMA MADYA (IV/D)**  
**NIP. 19531018 197602 1 001**



## **Keynote Speech-3**

**Mr.Mohd Taufik Bin Ishak  
Principal Assistant Secretary (NTTCC)  
Land Transport Division  
Ministry of Transport (MOT), Malaysia**

Mr. Mohamad Thamzil

**Deputy Director for Vehicle Road Worthiness, DGLT, Ministry of Transportation  
Indonesia**

**Mr. Sudirman MR**

Chairman of GAIKINDO (Gabungan Industri Kendaraan Bermotor Indonesia; The  
Association of Indonesia Automotive Industries)

**Mr. Takao Onoda**

Director of Road Transport Bureau  
Ministry of Land Infrastructure, Transport and Tourism (MLIT)

**Mr. Yoshihiro Nanto**

Director General  
Japan Automotive Standards Internationalisation Center (JASIC)

Delegates of the Second Public and Private Joint Forum in Asian Region

Automotive Industry Associations

Distinguished Guests, Ladies and Gentlemen

A PLEASANT DAY TO ALL OF US...

First of all, I would like to express my sincere appreciation to Japan Automotive Standards Internationalisation Center (JASIC) and Ministry of Land Infrastructure, Transport and Tourism (MLIT) of Japan for the kind invitation to me to give a Speech on the occasion of the Second Public and Private Joint Forum in Asian Region.

It is unfortunate, however, that Mr. Isagani Creencia Erna have to attend to an equally important commitment as part of his main obligation to service the Working Group Meetings in ASEAN. It so happened that the events are scheduled at the same time, so on behalf of the Task Force of APWG, I will deliver the speech for the purpose of this forum.-

In January 2011, the First Public and Private Joint Forum in Asian Region was held in Japan and it gave the opportunity for all of us to learn from the various presentations and at the same time shared about the activities of ASEAN in the automotive sector, in particular the activities related to the integration initiatives in ASEAN. Never-the-less, the spirit of ASEAN is very much represented today noting that most of the representatives of the Automotive Product Working Group in ASEAN are joining the Forum and their collective views represent the view of ASEAN.

I would also like to take this opportunity to express my sympathy to Thailand for the unfavourable circumstances she is experiencing at the moment and hope that it will come to an end soon. Thailand plays a key role in the automotive sector as one of the main sources of inputs of automotive parts and components not only in Southeast Asia but in other parts of Asia.

Ladies and Gentlemen...

The automotive sector is one of the priority sectors identified for integration in ASEAN with the aim of achieving ASEAN Economic Community by 2015. In the area of standards and conformance, the support to integration initiative is geared towards reducing, if totally eliminating, technical barriers to trade (TBT). In this regard, the Automotive Product Working Group (APWG) was established by the ASEAN Consultative Committee for Standards and Quality (ACCSQ) to study and develop mechanisms to address trade barriers caused by differing standards and technical regulations in the automotive sector. *For the benefit of non-ASEAN delegates, the ACCSQ is the sectoral body in ASEAN created by ASEAN Economic Ministers and mandated to address Technical Barriers to Trade in the priority product sectors in the region in order to facilitate the free flow of quality and safe goods in ASEAN.*

Tariffs and duties of imported goods have significantly reduced in ASEAN which encourages trade in the region, however if other impediments to trade, such as compliance to technical regulations of importing country still exists then the probability of delaying the entry of products could happen. This is where the elimination of TBT comes into the picture.

For its part, the Automotive Product Working Group has made progress on identifying and developing mechanism to reduce TBT to facilitate trade of automotive products in ASEAN through, among others:

- **Harmonisation of Standards and Technical Requirements;**
- **Mutual Recognition of Conformity Assessment Results; and,**
- **Capacity Building Programmes,** among its various activities.

These three mechanisms are the main focus of my speech in this Forum.

***Firstly, Harmonisation of Standards and Technical Requirements...***

Using international standards as basis of national standards is one of the important elements in harmonisation. The APWG has agreed on adopting UNECE Regulations as basis of common standards and technical requirements for ASEAN. As we all know UNECE Regulations is the internationally recognised Regulations or requirements in the automotive sector. In order for the automotive products to be sold globally, it has to meet UNECE regulations. Countries with automotive manufacturing

industry have to put into consideration the international Regulations for global market and competitiveness.

While it is acknowledged that each Member State has its own prioritisation in terms of the applicable UNECE regulations to be applied nationally, it is worthwhile to mention that in ASEAN, 19 UNECE Regulations have been agreed for harmonisation by 2015. It took a significant amount of time to arrive at the common UNECE regulations for harmonisation in ASEAN noting the different level of capability and technical infrastructure of ASEAN Member States. Agreeing with 19 UNECE Regulations is just the beginning of the harmonisation process. The more challenging part of scrutinising the relevant UNECE regulations to have unified standard and technical requirements is yet to be seen and awaits further discussions. One thing for sure, using common reference standard as basis of test and certification, provides opportunity for wider market access and international recognition. Harmonised standards and technical requirements are pre-requisite to mutual recognition.

This brings me to the second trade facilitation mechanism – ***Mutual Recognition of Conformity Assessment Results***

With the common basis of test and certifications for the product, coupled by testing and certification at the source country on behalf of the importing country reduces the burden of duplicate testing and certification. This is the principle behind the development of Mutual Recognition Arrangements (MRA) for Type Approval of Automotive Products in ASEAN.

Some country requires testing and certification or approval of product against a standard prior to selling in their country in order to make sure that the products are safe and of good quality. At times this requirement is incorporated in the laws, rules or regulations of the country making compliance to standards mandatory. This system has been accepted as a legitimate right of a country in order to enforce a certain requirements. However assuring the safety and quality of the product does not necessarily require testing by importing country alone noting the equally reliable and competent testing and certification bodies available for the product outside the country.

The ASEAN MRA on Type Approval for Automotive Products provides a regional arrangement to accept testing and certification issued by competent Technical Services following the competence criteria and procedure stipulated in the MRA. The competent criteria follow the internationally acceptable system and procedures in conformity assessment system in order to gain benefits of the already existing technical infrastructure by the countries. The MRA has also taken into consideration the UNECE 1958 Agreement as the base criteria of recognition and procedures.

The ASEAN MRA on Type Approval of Automotive Products is progressing in its development however I must admit that there are important issues that need to be

addressed before ASEAN can move further in the completion of MRA. These steps are important in making sure that everyone are achieving common objective for the benefit of all ASEAN Members.

It is also important for all ASEAN Members to fully appreciate the MRA mechanism to make it useful and beneficial not only for those who have the capability to utilize it fully but would also provide avenue for those who are still developing their automotive industry to see greater opportunity for them. The MRA therefore serves as a capacity building for the industry.

**Capacity Building Programme** is important component for harmonisation and mutual recognition.

ASEAN is privileged to enjoying generous support from donor countries or dialogue partners in pursuing the integration initiative agenda in ASEAN. Japan for instance has been at the forefront in providing this support in the automotive sector by way of training, workshops, meetings and conferences.

The last workshop on Vehicle Type Approval (VTA), Conformity of Production (COP) procedure and UNECE regulations held in July 2011 in Jakarta has provided clearer picture in approaching a harmonised UNECE regulations and MRAs. The APWG had a problem in determining the differences among the 19 UNECE regulations in terms of specific requirements of each UNECE Regulations. The workshop had provided the needed information on the different versions of each UNECE Regulation which the APWG was looking for clarification.

The various trainings and workshops in the past have definitely provided inputs in what the APWG has reached so far in the area of harmonisation and mutual recognition.

This Second Private/Public Forum is another opportunity of capacity building for ASEAN as delegates participate in the discussion through exchange of information and sharing of experiences with other countries and be updated on the developments in the automotive sector not only in Asia but also in the world.

Let me also mention that the recent proposal of Japan on "*Assistance for Developing and Operationalising Mutual Recognition Arrangements (MRAs) and Establishing Common Rules for Standards and Conformity Assessment Procedures for Automotives*" has been discussed and endorsed at the 14<sup>th</sup> APWG Meeting held in Brunei Darussalam on 19-20 October 2011. The APWG endorsed the proposal noting the unwavering support that Japan is extending to the automotive sector in ASEAN particularly in the area of standards, technical regulations and conformity assessment procedures. The APWG is looking forward to the endorsement of the above project by the ACCSQ, as well as the development of the full blown project proposal from Japan

to realise the proposed project. The APWG has also shared among the Members a number of possible technical assistance projects that it can put forward to Japan for possible support.

Ladies and Gentlemen...

I shared some mechanisms that ASEAN through the Automotive Product Working Group is doing. Let me summarise this by saying that ...

- the work of harmonisation and mutual recognition are the key mechanisms towards trade facilitation in ASEAN;
- the automotive sector is following these steps and is progressing one step at a time;
- moving forward with common goal and vision are important to advance together as a Region;
- reducing the development gap in ASEAN between countries with advance automotive industry and countries with newly developing automotive industry is enhancing ASEAN as a region.
- this would not be possible without the support of generous and kind assistance from dialogue partners.

The APWG would be able to achieve its milestone as it continues to work together and shape the ASEAN automotive industry as a region towards a single community in 2015.

**In closing**, let me thank once again Japan Automotive Standards Internationalisation Center (JASIC) and Ministry of Land Infrastructure, Transport and Tourism (MLIT) of Japan for this opportunity; and of course to the government of Indonesia for hosting this important event.

I wish every one a productive and fruitful Forum.

TERIMA KASIH...



## 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)**

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

# WP29 Activities and Recent topic

22 November, 2011



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

# Agenda

- **WP29 Activities**
- **Highlight of Recent WP29 (154<sup>th</sup>, 155<sup>th</sup>)**
- **New technology discussed in WP29**
- **Issues to be discussed**

# WP29 Activities

# Outline of WP29

- ◆ **Established on 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 of 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

-**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 of UN regulation

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

Voting system: unanimous agreement

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

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

Voting system: Two-thirds majority

Activity: Establish and develop of 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. WP29

### 1. Report of the WP29/AC2

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

### 4. 1958 Agreement

- ⊕ IWVTA
- ⊕ DETA
- ⊕ Draft amendments/corrigendum
- ⊕ New regulations

### 5. 1998 Agreement

- ⊕ Status of the Agreement
- ⊕ Draft UN GTRs and draft amendments
- ⊕ Technical regulations to be listed in the compendium of candidate

### 6. Exchange of views on national rule making procedure

### 7. 1997 Agreement

### 8. Other business

- ⊕ Recall system
- ⊕ Environmentally friendly vehicles(EFV)
- ⊕ 1968 Vienna convention
- ⊕ RE3

# Agenda of WP29

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

- ⊕ Proposal for amendments and corrigenda and for new regulations

- ➔ Voting by AC1

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

- ⊕ Proposal for amendments and corrigenda and for new regulations

- ➔ Voting by AC3

- ⊕ Progress on the development of new GTR and amendment

- ⊕ Items on which the exchange of view

- ⊕ New priorities to be included in the programme of work

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

# Contracting Parties

## 1958 Agreement (50)

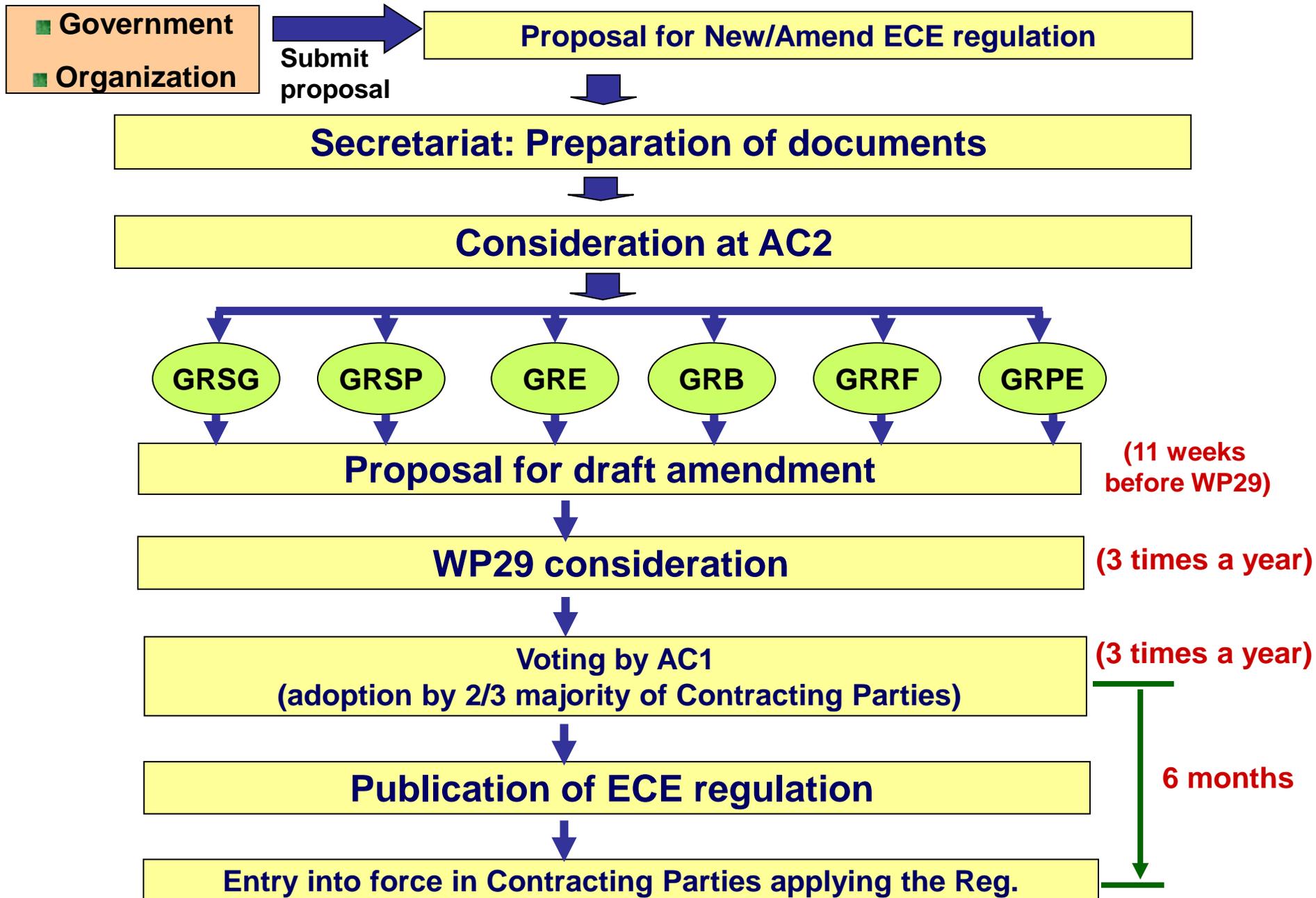
Germany, France, Italy, Netherlands, Sweden, Belgium, Hungary, Czech Republic, Spain, Serbia, United Kingdom, Austria, Luxembourg, Switzerland, Norway, Finland, Denmark, Romania, Poland, Portugal, Russian Federation, Greece, Ireland, Slovenia, Slovakia, Belarus, Estonia, Bosnia and Herzegovina, Latvia, 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

## 1998 Agreement (32)

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, Malaysia, Tunisia, Australia, India, Lithuania, Luxembourg, Moldova, Kazakhstan

Accession in 2011

# Process of developing ECE regulations



# Highlights of recent WP29

# 154th 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, CITA etc.**

## Recent GR's Sessions

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

- ◆ GRE agreed on amendments requiring mandatory installation of automatic headlamp levelling systems on all M and N vehicles.
- ◆ 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 Side Door, Windows and Emergency Exit informal group was 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)**

- ◆ GRRF was held special meeting for AEBS
- ◆ GRRF agreed to send a proposal for AEBS to WP.29 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 a new informal group for Flex-PLI and in the draft new UN regulations on pedestrian safety.
- ◆ GRSP adopted terms of reference of informal group on RESS

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

- ◆ OICA reported fuel specification.
- ◆ 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 requested WP.29 to extend the mandate of both informal groups for an additional 3 years. WP.29 endorsed that.

# The 1958 Agreement

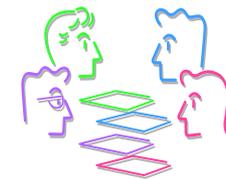
## The result of the voting – draft amendments to existing regulations

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.



**1. Need to follow situation of UN regulations.**



# Other Business

## Intelligent transport system (ITS)

- Adapted 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. ⇒ **One of Important document for IWVTA discussion**
- EU prepare comment for 2011/48 at November 2011.
- Further amendments linked to the revision of the 1958 Agreement.

## IWVTA latest situation was reported in 155<sup>th</sup> WP29 session.



**2. Need to study IWVTA related documents and follow IWVTA discussion**

# 1998 Agreement

**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

# 1998 Agreement

## 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.

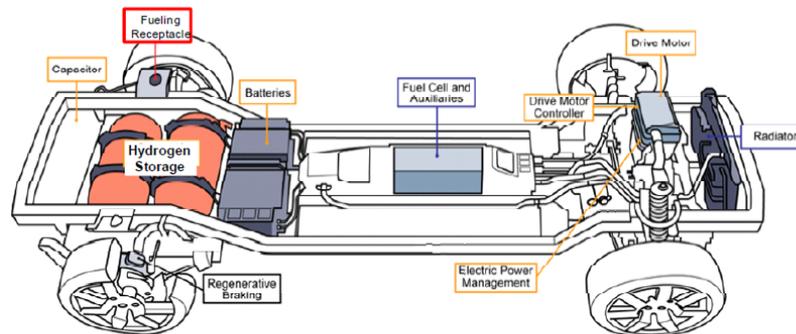


Figure A.2. Example of a Hydrogen Fuel Cell Vehicle

## Tyres

- ◆ Regarding to including the provisions on rolling resistance in the second phase of the development
- ◆ Wet grip continue to discuss for informal grope. China and India will consider mandatory module or optional module on wet grip.

# 1998 Agreement

## Motorcycle controls, tell-tales and indicators

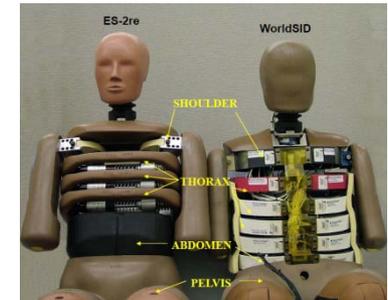
- Draft GTR might be submitted to WP.29 at their November 2011 sessions

## 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

## 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, 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.

**3. Need to study Advanced technologies related to future UN GTR/UN Regulation**

# **Advanced technology discussed in WP29**

# Example for advanced technologies

## 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:  
High voltage part is prevented from being touched directly by passengers.
- Provision of electric insulation:  
High voltage part and 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 high voltage part to other conductive parts.



- ◆ March 2010: Revised to UN regulation No. 100

# 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

### AEBS

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

Brakes may be applied automatically if necessary



### LDWS

System warns when driver is crossing road markings

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



# Issues to be considered

# Issues to be considered

## 1. Follow situation of UN regulations

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 to deepen understanding of UN Regulations.

➡ Example of next action: **✦ Consideration of draft amendments to ASEAN 19 regulations**

## 2. Follow IWVTA discussion

Asian economies would deepen their understanding of the merits of the IWVTA, as well as the merit of accession to the 1958 Agreement.

➡ Example of next action: **✦ Consideration of the documents which are used in IWVTA discussion**  
**✦ Participation to IWVTA activity and WP29**

## 3. Study Advanced technologies related to UN Regulation

“Advanced technologies” related to future UNGTR and UN Regulations would be discussed and that the Regulations would be investigated to reflect the situation in Asia.

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

**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),  
Mr. Mohammad Malawat (Indonesia),  
Ms. Jiraporn Kaewkraisorn (Thailand),  
Mr. Mohd Sharulnizam Bin Sarip (Malaysia),  
Mr. K.K.Gandhi (SIAM Indea),**

# Policy, subjects and action plan to promote the IWVTA concept under UN regulation

Panel discussion I

# Discussion point

Roadmap made by Inf. G was approval by WP29 in Nov. 2011

## 1. Revision of 58 agreement

(to make it more attractive)

- To permit to have the different level of requirement
- To review the voting procedure
- etc.

Note: draft proposal will be made by Nov. 2012

## 2. Introduction of IWVTA (UN R0) in 58 agreement

- To define UN Regulation 0 (R0)
  - Applicable vehicle category :M1
  - information document,
  - necessary technical requirements including options etc
- etc.

Note: Draft UN R0 proposal will be made by Nov. 2012

Do you have any comment/proposal to promote these activities ?

# Key point

- 1. It is very important to share the information of these activities among us to establish VTA system in each country**
- 2. Now it is good chance to reflect Asian voice into the revision of 58 agreement and IWVTA**
- 3. To promote these activities, it is also important to develop a cooperative network between government and the private sector in and among Asian countries.**

**Your active participation in these activities will be very much appreciated.**



# Policy, Subjects and Action plan to promote the IWVTA

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The 2<sup>nd</sup> Public and Private Joint Forum in Asian region  
23-25 November 2011

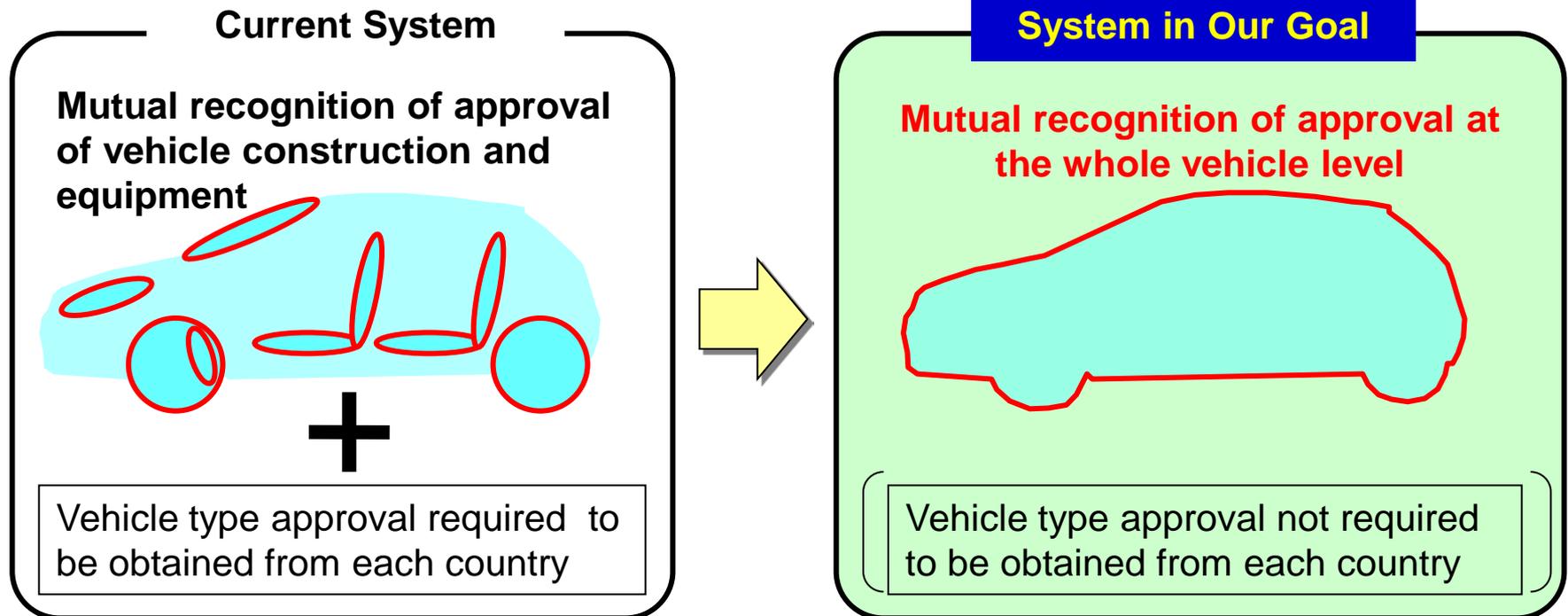
*Takao ONODA*

*Director for Implementation of International Agreements,  
Engineering Policy Division, MLIT*



## Our Goal

- \* At present, various vehicle certification systems exist for different countries in the world. We aim to establish a truly global type approval system and realize mutual recognition of approval among many different nations.
- \* Specifically, we aim to upgrade the current approval system under the international agreement (1958 Agreement), which covers “mutual recognition of approval of vehicle construction and equipment”, to the “whole vehicle” level.



## 1. Why do we need to discuss establishment of the system of IWVTA and mutual recognition of approval now?

### Economic and Social Issues

- \* Serious safety and environmental problems related to automobiles due to the increasing motorization around the world especially emerging countries :
  - Environment (global warming, air pollution, etc.)
  - Traffic accidents
- \* Globalization of economy requires a leaner and more efficient market access

### Issues Directly Related to Regulations and Certification System

- \* The UN Regulations\* do not cover all regulatory items necessary for vehicle type approval.
- \* For countries/regions planning to introduce a system of vehicle type approval and/or mutual recognition of such approval, no model system exists that can be used universally; they need to establish their own unique system.

\* UN Regulations: Uniform regulations under the 1958 Agreement (United Nations Economic Commission for Europe)

These issues must be addressed.

IWVTA to be established at UN WP 69

## Overall picture

### Outline of the proposal

To build infrastructure for establishing, in the future, the “system concerning mutual recognition of IWVTA” under WP.29 through utilization of the “agreement on mutual recognition of approval for motor vehicle equipment and parts”

- To establish the system concerning mutual recognition of IWVTA in the framework of the UN agreement, based on the existing agreement concerning mutual recognition of approval for motor vehicle equipment and parts.
- The IWVTA system to cover procedures up to the issuance of certificates of conformity related to a whole vehicle; the registration of vehicles in each country based on those certificates of conformity to be carried out pursuant to its national legislation (c.f., Among EU Member States, mutual recognition of vehicle approval based on EU-WVTA\* has been implemented).
- For the moment, the scope of system includes passenger cars only.

\* WVTA: Whole Vehicle Type Approval

### Composition

This system consists of the following two parts:

- Part on IWVTA procedure
- Part on mutual recognition of approval among Contracting Parties

### Details of the proposal

Informal group to be set up to develop the roadmap to carry out the above;

Draft roadmap to be presented to WP.29 in Nov. 2011

**UN/ECE/WP.29**

**IWVTA Informal Group**

**Task: Development of roadmap (to be proposed to WP.29 in Nov. 2011)**

**Chairman: Mr. Gauvin (WP.29 Chairman)**

**Co-chairmen: Mr. Renders (EU)**

- \* Revision of the 1958 Agreement**

**(Voting right, qualification of technical service, etc.)**

**Mr. Onoda (MLIT)**

- \* Preparation of elements necessary for IWVTA**

**(Technical requirements, types, categories, weights, definition of dimensions, specifications of application procedures, etc. necessary for IWVTA)**

**Secretariat: Mr. Oshita (JASIC)**

**Time of meeting: Friday of the week prior to WP.29 (mostly)**

**Place: Paris (mostly)**

**Members: Any organization that attends WP.29 (Currently about 30 members from government and industry)**



1. The objective of the informal group is to assist the World Forum for the Harmonization of Vehicle Regulations (WP.29) in considering actions on the future direction for the harmonization of vehicle regulations under the 1958 Agreement. This future direction should aim at fostering the participation of more countries and regional economic integration organizations in the activities of the World Forum and to increase the number of Contracting Parties to the Agreement, by improving its functioning and reliability, and thus ensuring that it remains the key international framework for the harmonization of technical regulations in the automotive sector.
2. To fulfil this objective the informal group shall, as a first step, make an inventory of the elements which it considers should be addressed in a review of the 1958 Agreement, taking into account contributions by Contracting Parties and non-governmental organizations, and establish a roadmap for addressing these elements as a recommendation to WP.29.
3. In doing so, the informal group shall give particular attention to the procedures for developing, amending and adopting technical regulations for motor vehicles, and their implementation by Contracting Parties, and also to the conditions for granting type approvals and their mutual recognition. Other elements to be included for consideration are the methods for conformity assessment and certification procedures, including the responsibilities and competence of involved parties and aspects related to enforcement, such as ensuring conformity of production, market surveillance, safeguard measures and dispute settlement procedures.
4. The informal group shall submit the inventory and roadmap for the future direction on the harmonization of vehicle regulations to the World Forum for consideration, the latest, at its 155th session in November 2011.
5. The target completion date for the work of the informal group shall be the 168th session of the World Forum in March 2016.
6. This target completion date will be reviewed in November 2011, taking into account the assessment by the World Forum of the inventory and roadmap submitted by the informal group for consideration.
7. Final decisions on proposals will be adopted by the World Forum and the Contracting Parties to the 1958 Agreement.



## Past and Future Activities of WP.29 IWVTA Informal Group (IG)

**1<sup>st</sup> (Preparatory) IG meeting** Time: March 2010 (Geneva)

Conclusions: \* Chairman, co-chairmen, secretariat decided

\* Membership qualification and registration procedures presented (anyone can attend)

\* Overall schedule introduced

**2<sup>nd</sup> IG meeting** Time: June 2010 (Paris)

Conclusions: to prepare, as a first step, a list of items for which regulatory text is necessary and a draft revision of the articles of the 1958 Agreement to be amended and/or complemented.

**3<sup>rd</sup> IG meeting** Time: November 2010 (Paris)

Conclusion: to hold a further meeting in Tokyo, on January 2011, to consider possible amendments to the 1958 Agreement.

**4<sup>th</sup> Ad-hoc IG meeting** Time: 18th January 2011 (Japan)

Conclusion : to identify the amendments necessary to the 1958 Agreement with possible solutions to be presented and endorsed by the November session.

**5<sup>th</sup> IG meeting** Time: Mar. 2011 (Paris)

Conclusion : to be discussed Technical requirements necessary for IWVTA. List of Technical requirement will agree November, 2011

**6<sup>th</sup> IG meeting** Time: June 2011 (Paris)

Conclusion : \* to revision of the 1958 Agreement to make the Agreement more attractive to emerging countries.

\* to present at the November 2011 session of WP.29 an interim report showing a possible road map identifying the changes needed. Accordingly, if an agreement would be achieved in that session the group would submit a draft revision for adoption at the June 2012 session of WP.29.

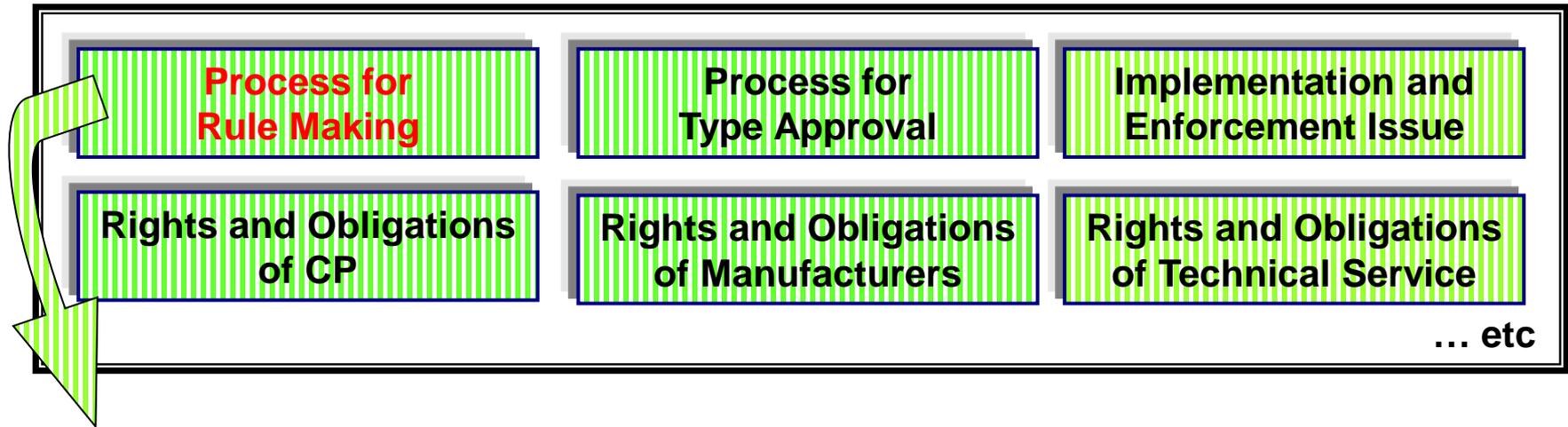
**7<sup>th</sup> IG meeting** Time: 28 September 2011 (Paris)

Conclusion : the inventory was basically approved and finalized by the end of October.

**8<sup>th</sup> IG meeting** Time: 11 November 2011 (Paris)

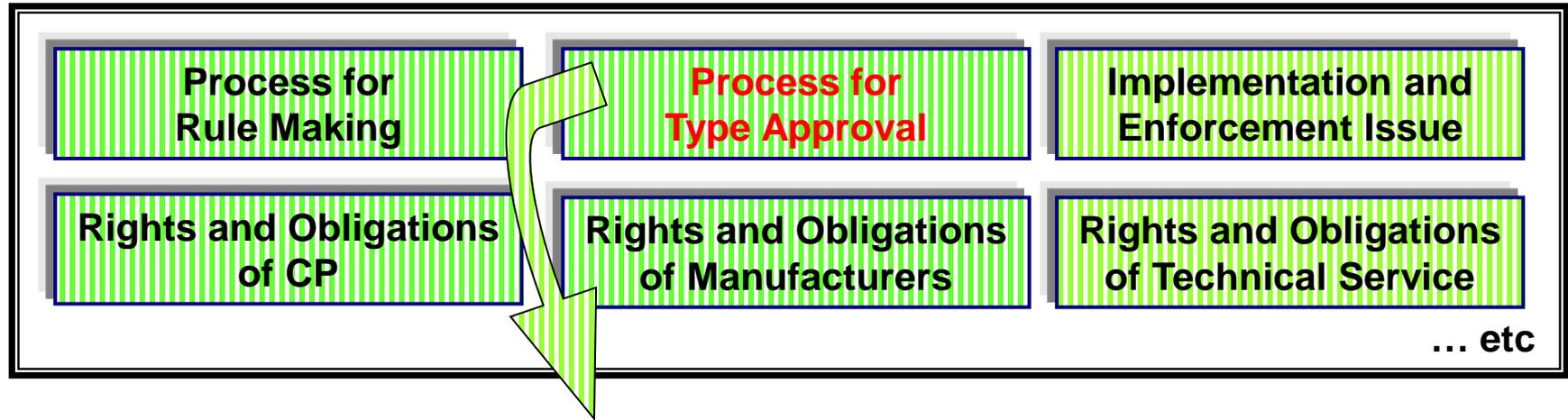
Conclusion : agree the inventory on issues eligible for amendments of the 1958 Agreement and roadmap.

- **Quality Assurance of type approval**



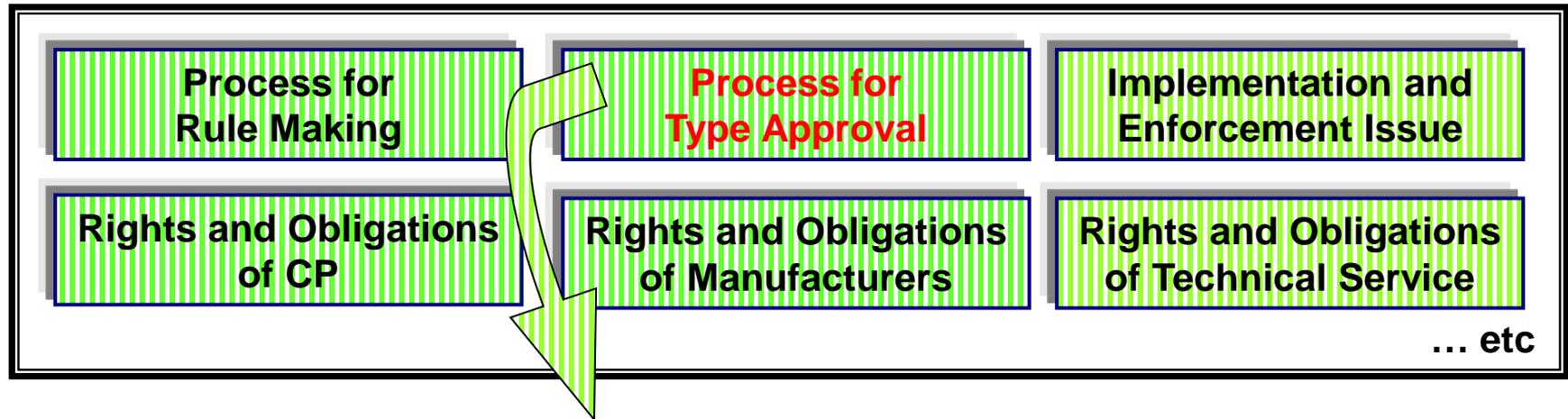
- **criteria for establishing of new Regulations**
- **possibility of including alternatives in the technical requirements**
- **criteria for amending existing Regulations**
- **possibility of including the existing requirements as an alternative**
- **procedure for voting, notification, objection and entry into force**
- **possibility for a Contracting Party to object or to disagree**
- **accelerated adoption procedure ?**

- **Quality Assurance of type approval**



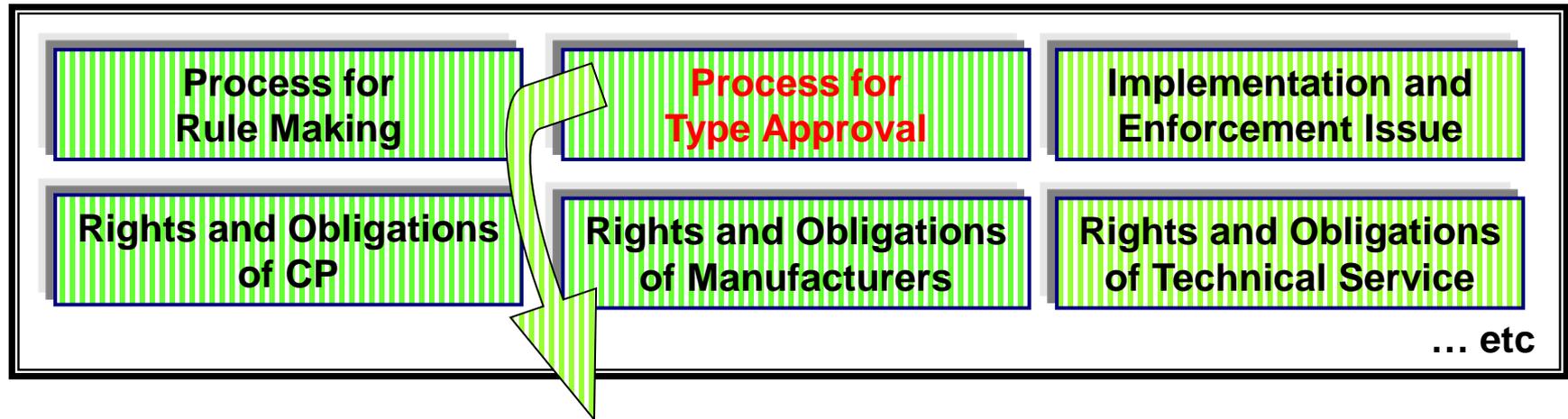
- high quality and unambiguous texts
- guarantee an acceptable level of safety, environmental protection or energy performance
- problems of interpretation of existing Regulations
- appropriate to maintain reference to other administrative procedures alternative to type-approval (such a self-certification)?

● **Quality Assurance of type approval**



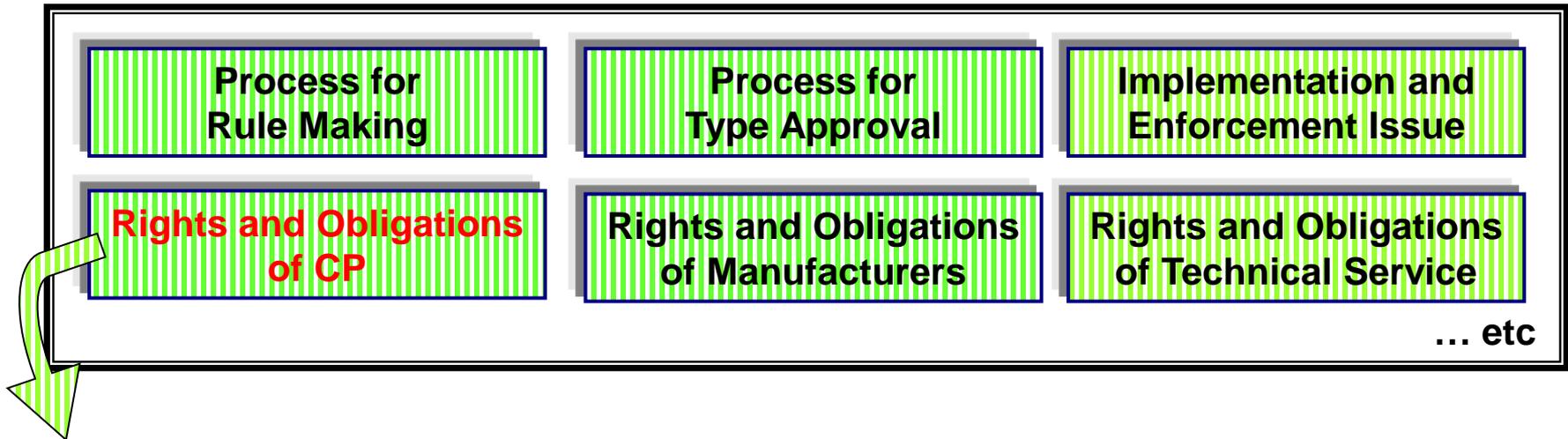
- include provisions governing the main principles to be applied for the application for type approval
- procedures to be followed with respect to conducting type approval
- type-approval shall be based on demonstration of compliance by means of appropriate tests
- principle of worst casing

● **Quality Assurance of type approval**



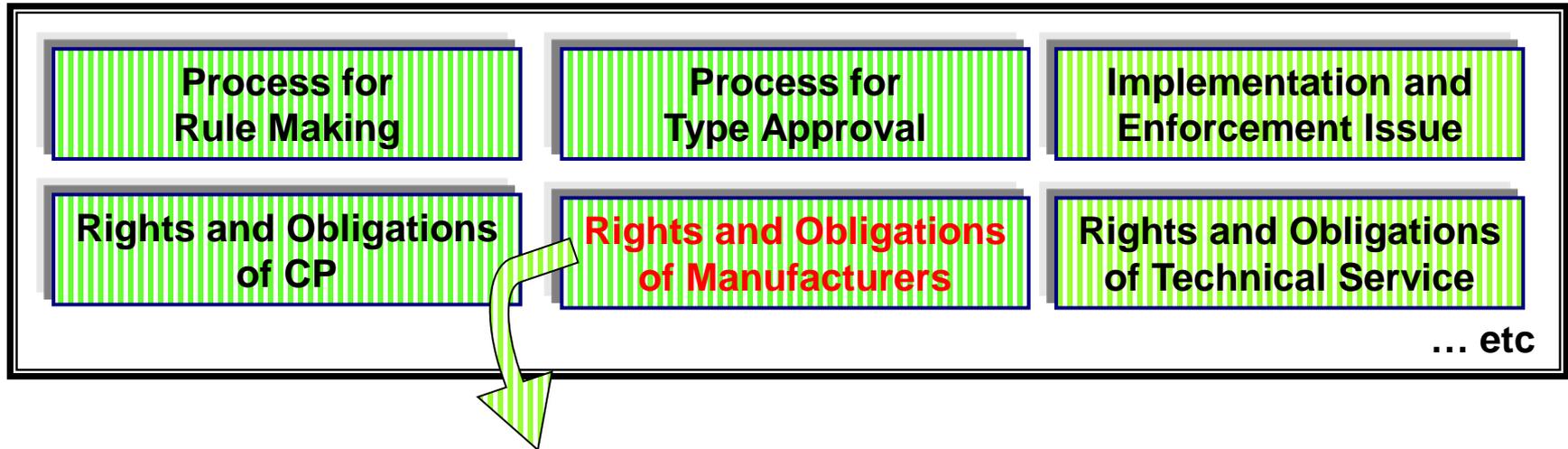
- minimum information to be provided in the test report
- provisions on type-approval documentation
- provisions enabling self-testing and virtual testing
- provisions to deal with new technologies
- enhance procedures for ensuring conformity of production

- **Quality Assurance of type approval**



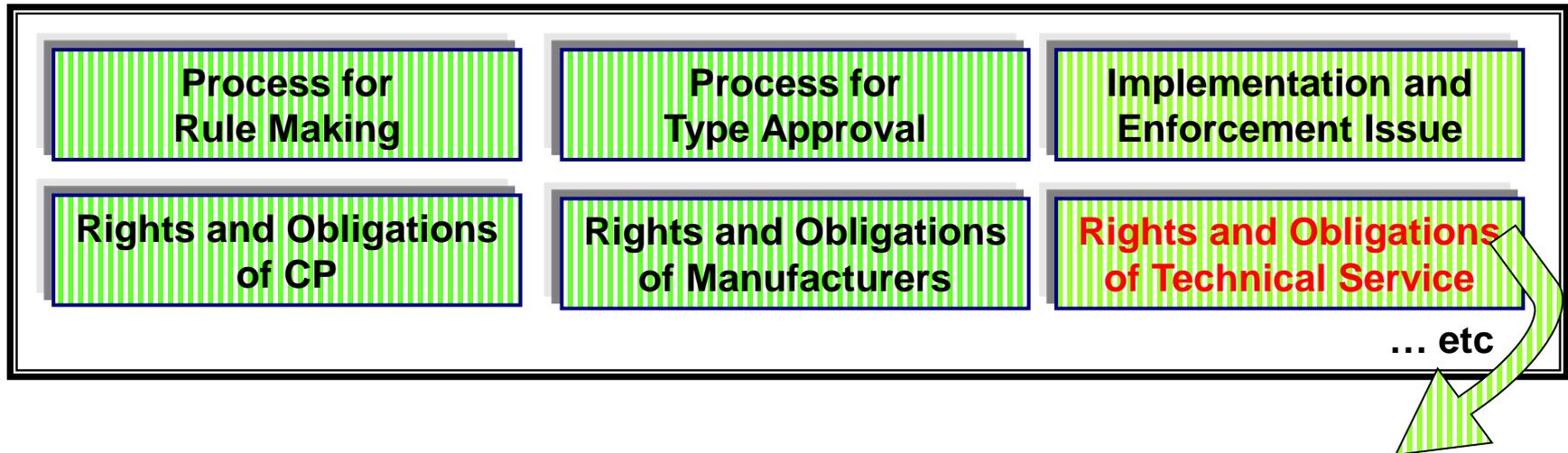
- re-assessment of the rights and obligations for Contracting Parties arising from an adopted Regulation or amendment to an existing Regulation
- conditions necessary for granting type approval
- amendments to type-approvals, refusal or withdrawal of type-approvals, conditions for their validity

- **Quality Assurance of type approval**



- **clarify and specify the rights and obligations of manufacturers**
- **consider the introduction of a certificate of conformity**

- **Quality Assurance of type approval**



- **clarify role and responsibilities of technical services,**
- **Specify criteria for the assessment of their competence and their designation**

- Quality Assurance of type approval



➤ market surveillance provisions

## Basic idea is to establish IWVTA under 58 agreement

-IWVTA should be established in line with the principle of the current 58 agreement, i.e.: "the CPs can choose the UN Regulations they apply"

-Consequently, the new concept of "**the Regulation on IWVTA**" was proposed as "**UN Regulation No.0**".

## Envisioned new structure for the revised 1958 Agreement

### Text of the 1958 Agreement (amended)

#### Appendices

Appendix 1 Composition and Rules of Procedure of the Administrative Committee (amended)

Appendix 2 Conformity of Production Procedure (amended)

Placeholder Procedure for Type Approval  
[(R.E.3) Annex 7 (amended)]

**Relevant elements of WP29/1044 or later revision**

**Relevant elements of WP29/1059 or later revision**

#### **ANNEX (Regulations) - Addendum to 1958 Agreement**

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

No.1 .....

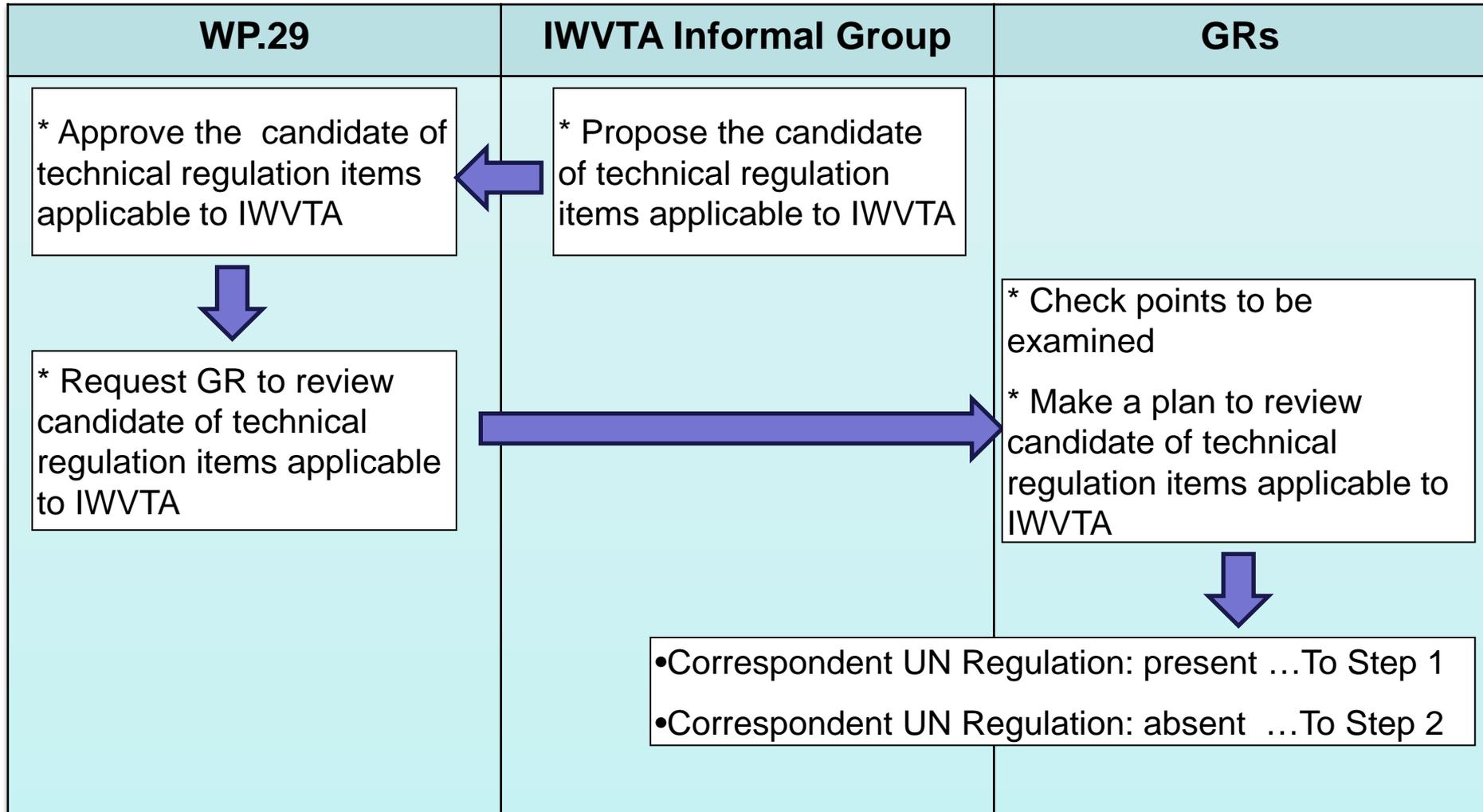
⋮

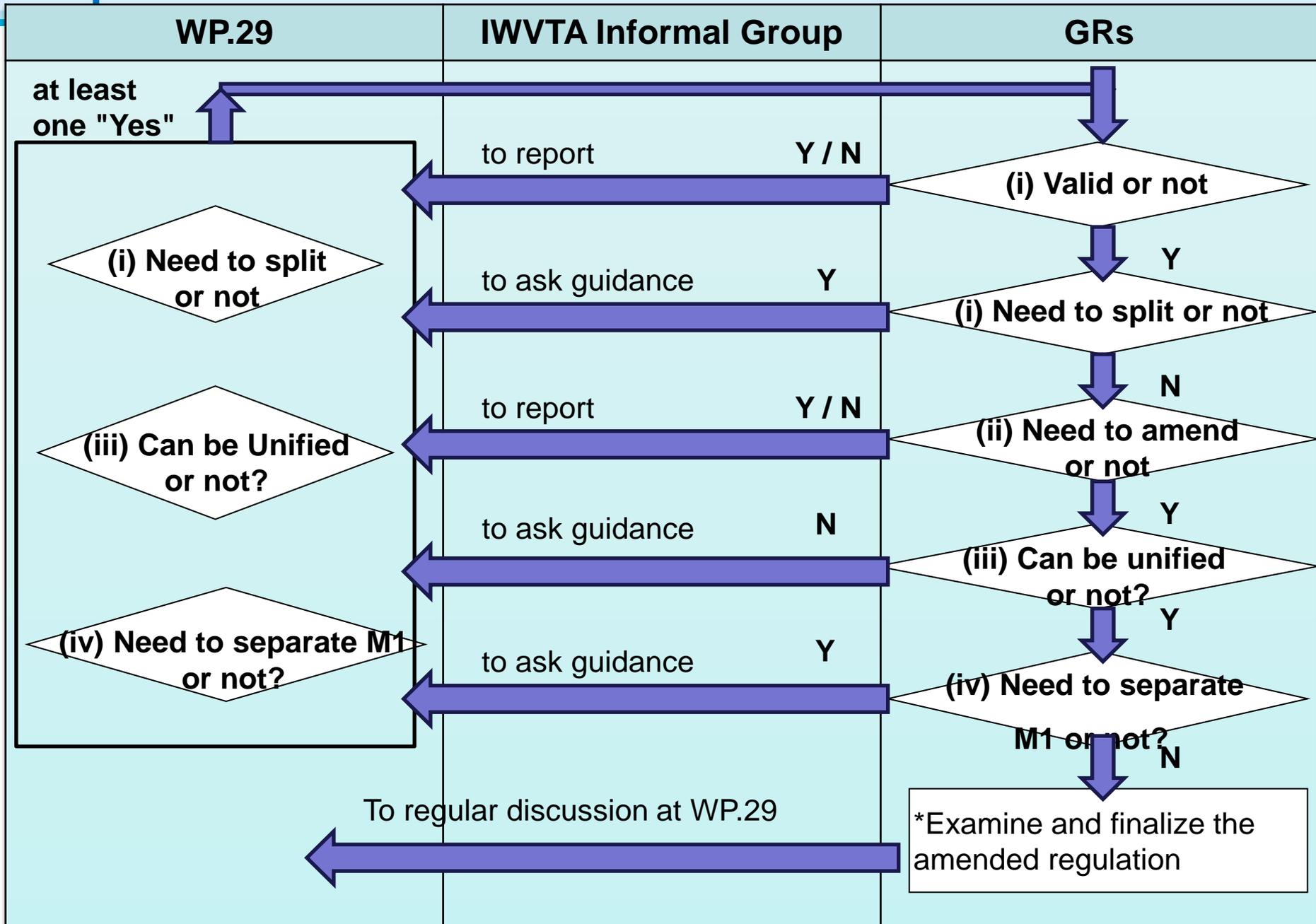
No.126 .....

## Principle of UN Regulation N0.0

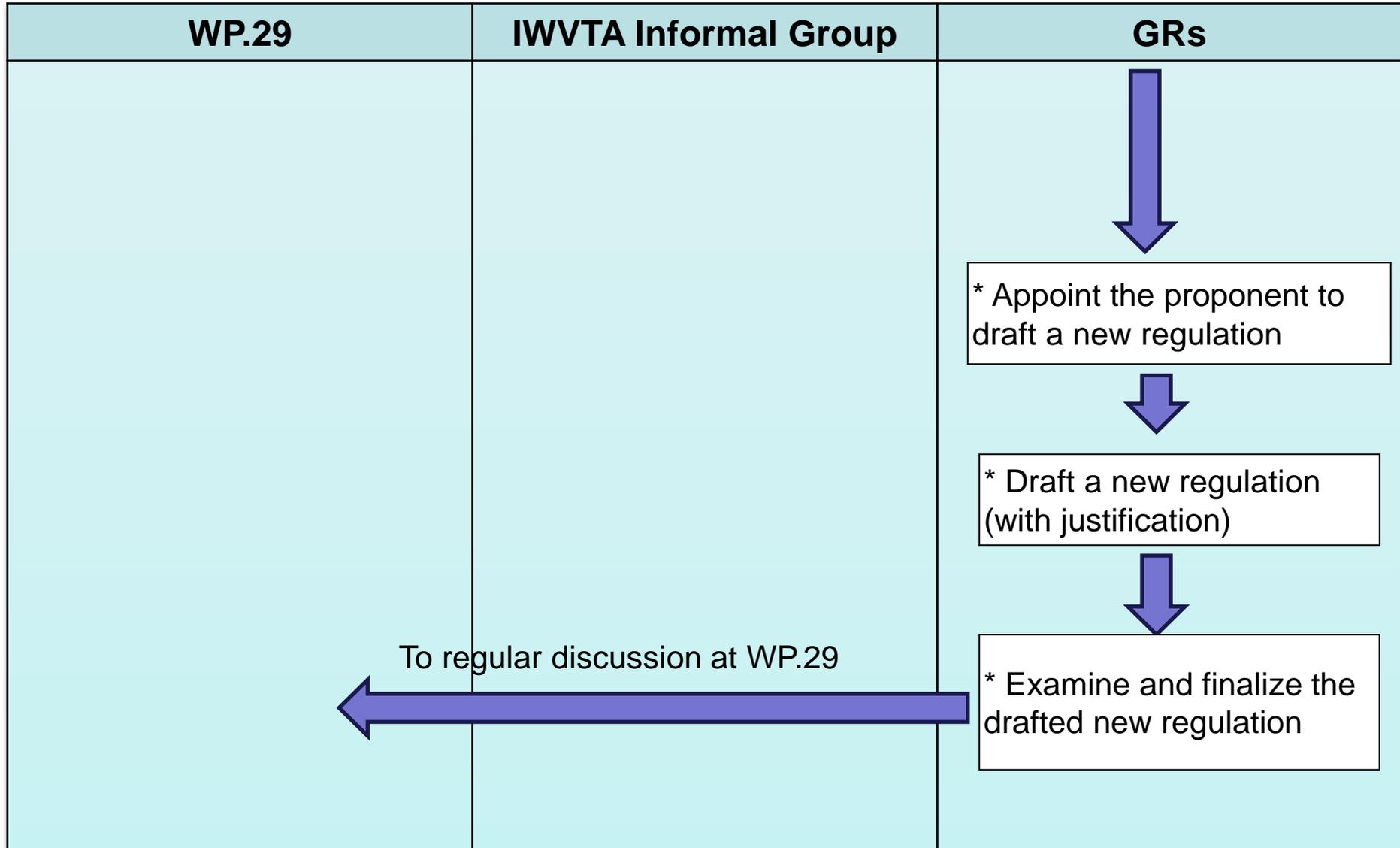
- 1. New requirements for whole vehicle type approval are established. (To include the “necessary IWVTA elements” proposed to WP29 by Japan.)**
- 2. Contracting Parties to the 1958 Agreement (hereafter “Contracting Parties”) can select to adopt UN Regulation No.0.**
- 3. A Contracting Party who has adopted UN Regulation No.0 (hereafter “UN R0 contracting party”) accepts and issues the UN R0 approvals (pursuant to Article 2 of the 1958 Agreement).**
- 4. The UN R0 contracting party continue to be allowed to accept and issue individual UN Regulation approval (pursuant to Article 2 of the 1958 Agreement).**
- 5. Issue of additional requirements or specifics to be further evaluated**
- 6. Once UN R0 is adopted by a Contracting Party, all the UN Regulations in the List of necessary UN regulations also are adopted simultaneously (no additional procedure) by the Contracting Party (but only for the case of M1 vehicles).**
- 7. Once an UN R0 approval is obtained, it shall be unnecessary to obtain and affix each individual UN type approval mark (Vehicle system approval only).**

## Step 0





## Step 2



# Roadmap for the revision of the 1958 Agreement and introduction of IWVTA

- At the 5<sup>th</sup> meeting of IWVTA-IG held in March 2011, agreement was reached on the working procedure and working schedule for the drafting of IWVTA regulations.
- The meeting agreed that, for the time being, it would focus on regulations on passenger cars, which are most needed.

	2011	2012	2013	2014	2015	2016	
	9 11	6 11	3		6		
<b>1. IWVTA</b>							
Candidates for items for IWVTA	IWVTA-IG is to prepare candidates for items for IWVTA.						
Amend existing regulations and/or make new regulations	Based on the item list, each GR examines UN Regulations (to be created or amended as necessary).						
IWVTA concept (including UN R0 at WP.29)	Making draft UN R0		Discuss the draft UN R0 at WP.29				
Amend IWVTA-related agreements (if necessary)						Amend agreements?	
<b>2. Amend the 1958 Agreement</b>							
Application, grant, modification, withdrawal of approval; new technologies, COP, safeguard, etc.	Discuss and agree on the inventory	Report to WP.29	Draft proposal				Report to WP.29

- To achieve truly international harmonization of regulations and mutual recognition of approvals to which major economies including emerging countries participate, revision of 1958 Agreement is currently under heavy discussion in WP29.
- A truly global type approval system and realization of mutual recognition of approval among many different nations under the 1958 agreement (IWVTA) is also under active consideration.
- In order to establish technical requirements necessary for IWVTA, existing regulations will be thoroughly reviewed and revised, if necessary, and new regulations will be established.

**Thank you for your attention!**



**MLIT**



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

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

Jakarta, 23-24 November 2011

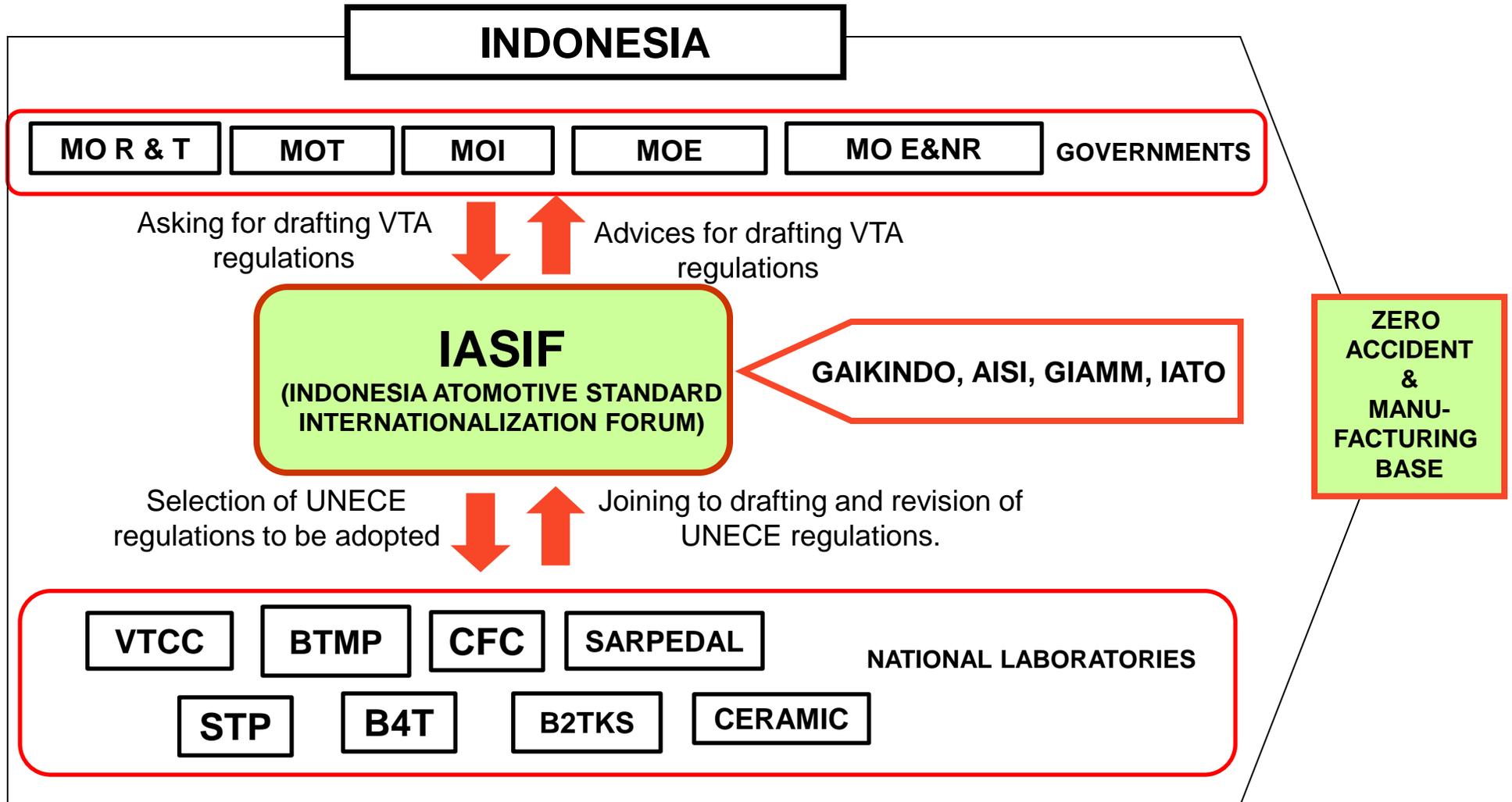
## **A. Policy**

1. Joining 58 Agreement.
2. Step by step adoption of UNECE Regulations (selected adoption).
3. Continuing support from JASIC, JAMA, JAPIA
4. Drafting SNI documents based on UNECE Regulations.
5. Technical Services development related to selected UNECE Regulations

## **B. Subjects and Action Plan**

1. Establishment IASIF as Forum coordination among related institution(G/I).
2. Establish road map on accession of the contracting party UNECE 58 Agreement.
3. Appointment of supporting organisation for Approval authority.
4. Development and strengthening of Rule Making (Certification, Regulation and Procedure).
5. Enhancing Technical Services capability.
6. Strengthening VTA regulation.

# ESTABLISHMENT OF IASIF AS APPOINTED FORUM TO SUPPORT APPROVAL AUTHORITY (DIRECTOR GENERAL DECREE NO: 2105/KP.801/DRJD/2011)



# IASIF ROAD MAP

BASED ON DIRECTOR GENERAL DECREE NO: 2105/KP.801/DRJD/2011 (JUNE 19-2011)

- TARGETS :**
1. SAFETY REGULATION IMPROVEMENT FOR ZERO ACCIDENT ACHIEVEMENT,
  2. INDONESIA AUTOMOTIVE INDUSTRY BECOME MANUFACTURING BASE.

NO.	ACTIVITIES	2011	2012	2013	2014	2015
1.	IASIF ESTABLISHMENT	6				
2.	FEASIBILITY STUDY FOR ACCESSION 1958 AGREEMENT	9				
3.	SIGNING 1958 AGREEMENT		6			
4.	FEASIBILITY STUDY FOR UNECE REG. OF ADOPTION SELECTION		12			
5.	UNECE REG. ADOPTION TO NATIONAL REGULATION IMPLEMENTATION			12		
6.	FEASIBILITY STUDY FOR NATIONAL VEHICLE TYPE APPROVAL IMPROVEMENT INLINE WITH 1958 AGREEMENT.				6	
7.	ADOPTION IMPLEMENTATION OF VEHICLE TYPE APPROVAL TO NATIONAL REGULATION.					12

# GOVERNMENT AUTHORITY & ENHANCING TECHNICAL SERVICES

GR'S	UN ECE REG.	ECE R	AUTH	T/S	LOCAL INDUSTRY ASSOCIATION	SNI	MANDATORY
1	Braking System	R13	MOT	VTCC	GAIKINDO, GIAMM, BRAKE ASSC.		
2	Braking System (Pass. Car)	R13H	MOT	VTCC	GAIKINDO, GIAMM, BRAKE ASSC.		
3	Seat belt anchorage	R14	MOI	B2TKS	GIAMM, SAFETY BELT ASSC.		
4	Seat belt	R16	MOI	B2TKS	GIAMM, SAFETY BELT ASSC.	ALREADY	ALREADY
5	Seats	R17	MOI	B2TKS	GIAMM, SAFETY BELT ASSC.		
6	Head Restraints	R25	MOI	B4T	GIAMM, SAFETY BELT ASSC.		
7	Pneumatic tyre – passenger	R30	MOI	B4T	GIAMM, TIRE ASSC.	ALREADY	ALREADY
8	Speedometer	R39	MOT	VTCC	GKD, GIAMM		
9	Exhaust Emission (L )	R40	MOT	BTMP	AISI		
10	Noise (L category)	R41	MOT	VTCC	AISI		
11	Safety glass	R43	MOI	CERAMIC	GKD, GIAMM, ASAKA	ALREADY	ALREADY
12	Rear View Mirror	R46	MOT	VTCC	GKD, GIAMM, ASAKA		
13	Diesel Emission	R49	MOT	BTMP	GAIKINDO		ALREADY
14	Noise emission	R51	MOT	VTCC	GAIKINDO		
15	Pneumatic tyre – commercial	R54	MOT	B4T	GIAMM, TIRE ASSC.	ALREADY	ALREADY
16	Driver Operated Control	R60	MOT	VTCC	AISI		
17	Tyre (L category)	R75	MOI	B4T	GIAMM, TIRE ASSC.	ALREADY	ALREADY
18	Steering Equipment	R79	MOT	VTCC	GKD, GIAMM, ST. ASSC.		
19	Exhaust Emission	R83	MOT	BTMP	GAIKINDO		ALREADY

# STATUS OF VEHICLE TYPE APPROVAL BY STRENGTHENING OF LAW & REGULATION

## PREVIOUS VTA REGULATION.

- TRAFFIC LAW NO: 14 YEAR 1990 (GOVERNMENT + PARLIAMENT).
- GOVERNMENT REGULATION NO: 44 YEAR 1993 CONCERNING VEHICLE AND DRIVER.
- MINISTER DECREE NO: 9 YEAR 2004 CONCERNING VEHICLE TYPE APPROVAL SYSTEM

## CURRENT VTA REGULATION.

- TRAFFIC LAW NO: 22 YEAR 2009 (GOVERNMENT + PARLIAMENT).
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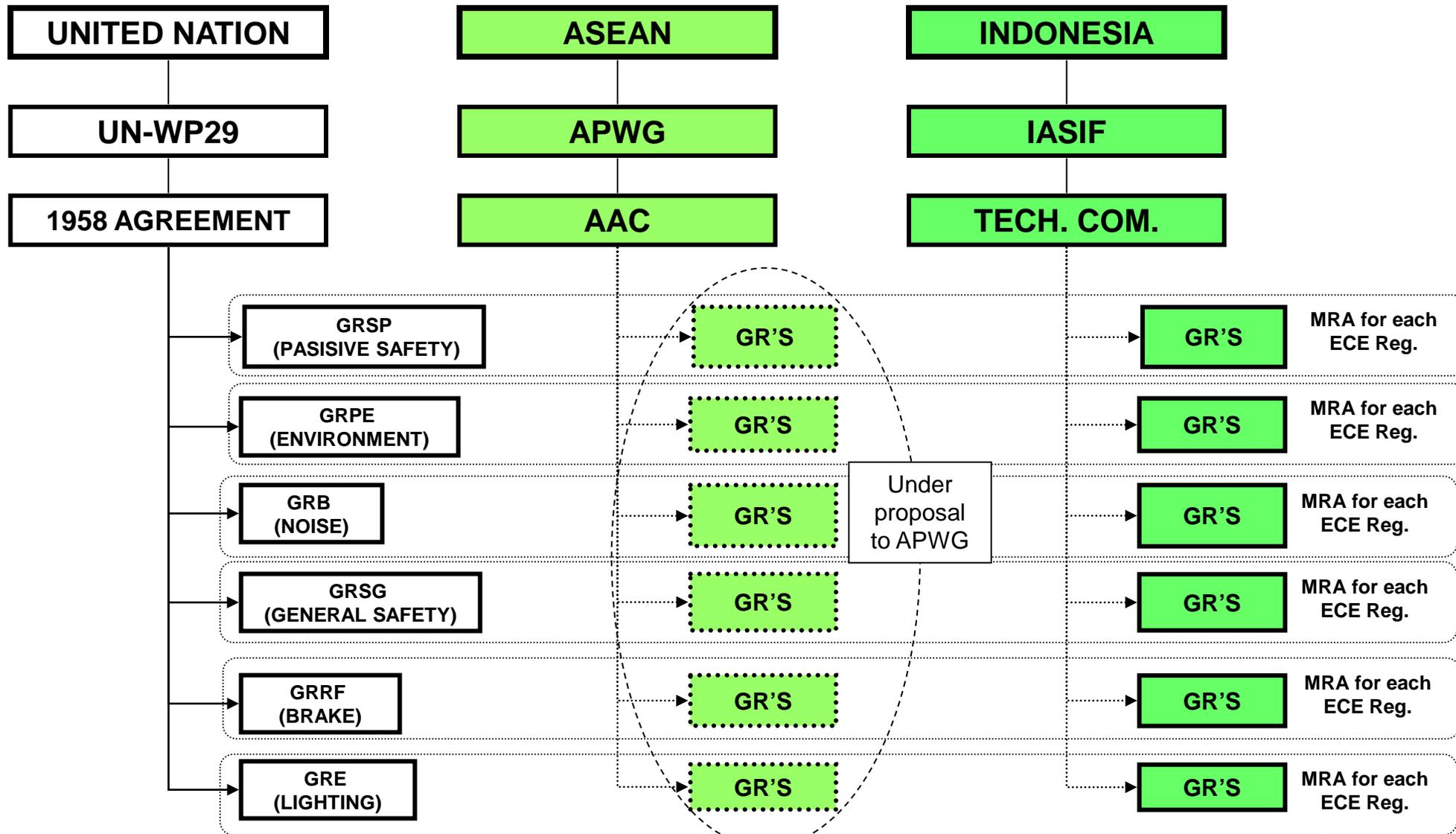
## FUTURE VTA REGULATION.

- TRAFFIC LAW NO: 22 YEAR 2009 (GOVERNMENT & PARLIAMENT).
- *DRAFT OF GOVERNMENT REGULATION CONCERNING VEHICLE.*
- *DRAFT OF MINISTER DECREE CONCERNING VEHICLE TYPE APPROVAL SYSTEM*

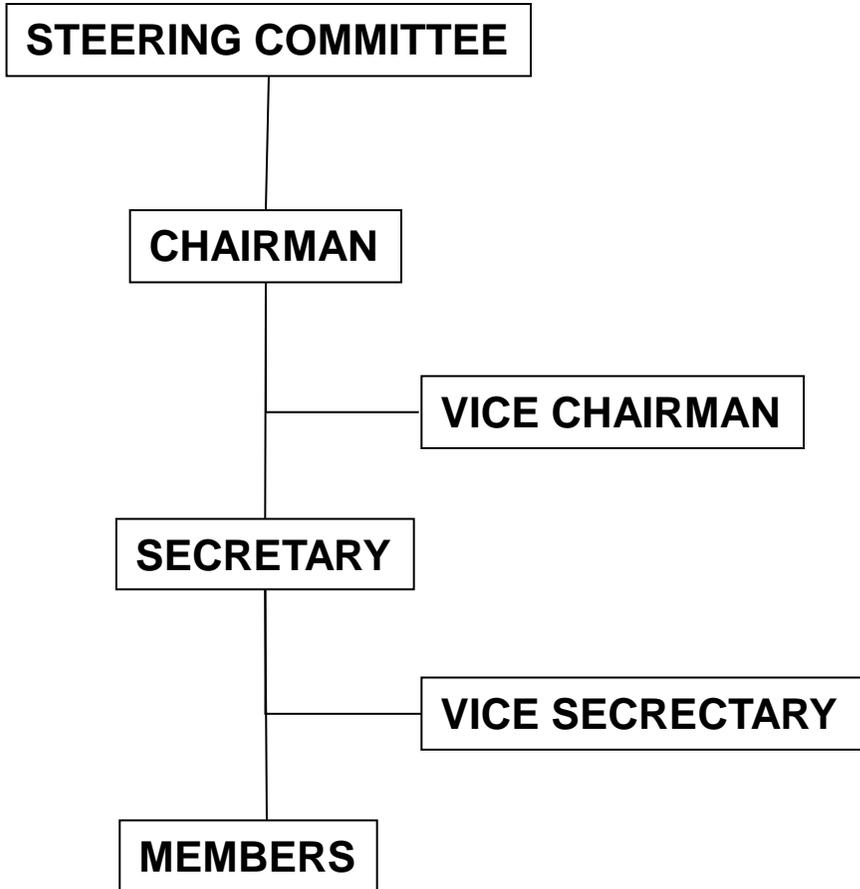
## FUTURE GOAL:

IWVTA  
(INTERNATIONAL  
WHOLE  
VEHICLE  
TYPE  
APPROVAL  
SYSTEM)

# SIMILARITY OF MRA ADOPTION SCHEME



# ORGANISATION OF INDONESIA ATOMOTIVE STANDARD INTERNASIONAL FORUM (IASIF)



## **STEERING COMMITTEE :**

1. Director General of Land Transport - MOT
2. Director General of Leading Industry Based on Higher Technology - MOI

## **CHAIRMAN :**

Director of Land Transport & Traffic - MOT

## **VICE CHAIRMAN :**

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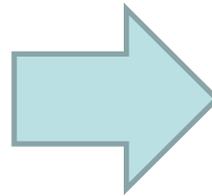
# **UN/ECE Regulation Adoption Plans**

# Confirmation of UN/ECE Regulation Adoption Plans

Automotive Product Working Group (ACCSQ-APWG) noted that there are 19 UN-ECE regulations considered to be harmonized in 2015.

## Refer : 19 Regulation

- ▶ R13 Braking system
- ▶ R13H Braking system for passenger car
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- ▶ R51 Noise emission at least 4 wheels
- ▶ R54 Pneumatic Tyre, Commercial Vehicle
- ▶ R79 Steering equipment
- ▶ R83 Emission-light vehicles
- ▶ R39 Speedometer
- ▶ R40 Emission for motor cycles
- ▶ R41 Noise for motor cycles
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## Current Indonesia Regulation follows UN-ECE Reg : 5 Regulation

- ▶ R49 Emission for heavy vehicles
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**2<sup>nd</sup> step of adoption plan will be 9 regulations of UN-ECE. It is shown on above blue printed color.**

### Note :

The remain 5 regulations (black color) will wait component industries capability readiness.

# INDONESIAN NATIONAL STANDARD DEVELOPMENT

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FORMULATION STEP	COMMITTEE	PARTICIPANT	OUTPUT DOCUMENT
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CONSENSUS MEETING	TC/SUB TC	TC/SUB TC & TAS	DRAFT SNI3
ENQUIRY	BSN	TC/SUB TC & STANDARD SOCIETY	
FINAL REVISION	TC/SUB TC	-	DRAFT SNI4
VOTING	BSN	TC/SUB TC & STANDARD SOCIETY	FINAL DRAFT SNI
STIPULATION	BSN	-	SNI

2011

2015

# **Latest situation of VTA system**

# STATUS OF VEHICLE TYPE APPROVAL LAW & REGULATION

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14 YEAR 1990.
- PRESIDENT  
REGULATION NO:  
44 YEAR 1993  
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VEHICLE AND  
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- MINISTER  
REGULATION  
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VEHICLE TYPE  
APPROVAL SYSTEM

## CURRENT VTA REGULATION.

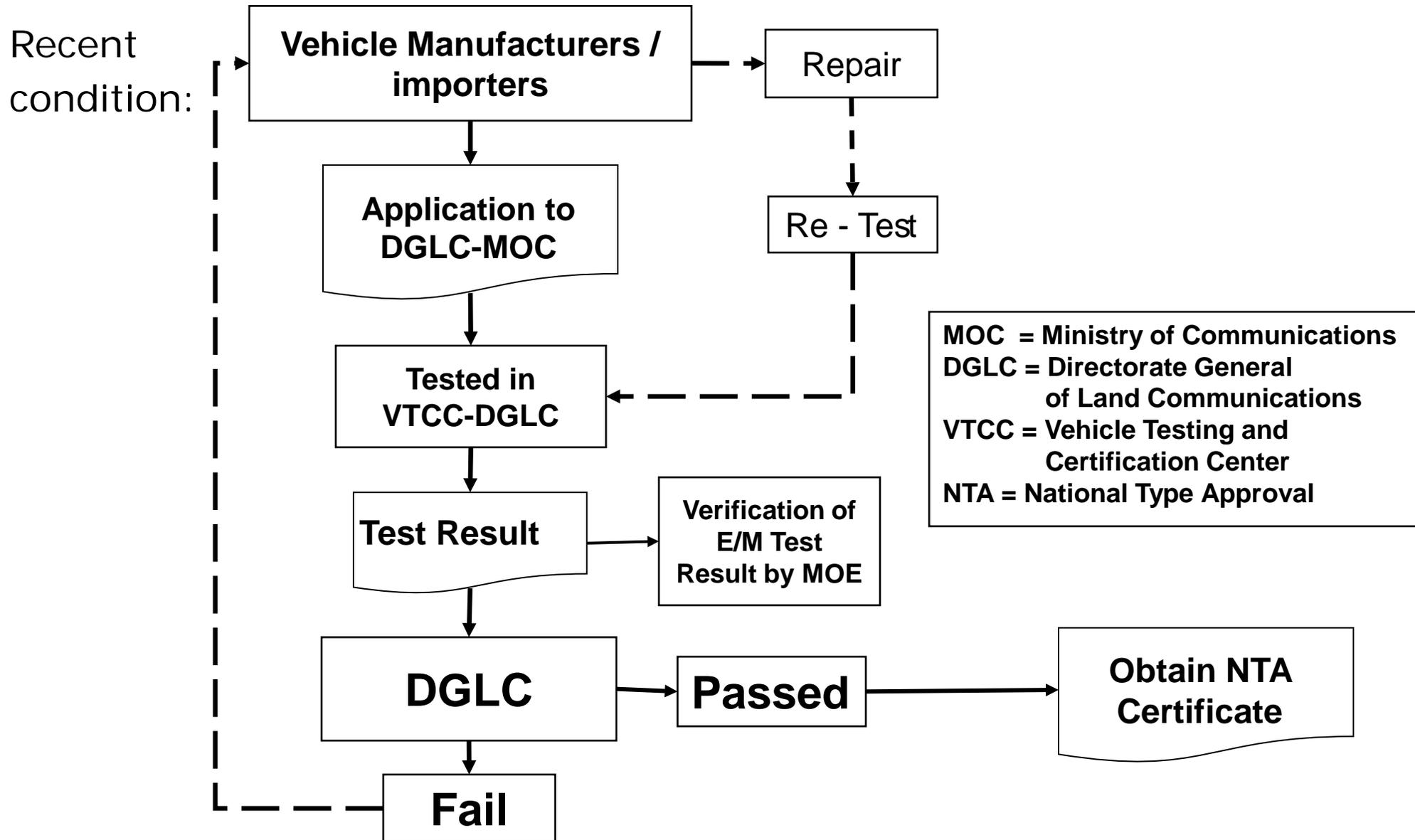
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VEHICLE TYPE  
APPROVAL  
SYSTEM***

**IVTA  
(INTER-  
NATIONAL  
VEHICLE  
TYPE  
APPROVAL  
SYSTEM)**

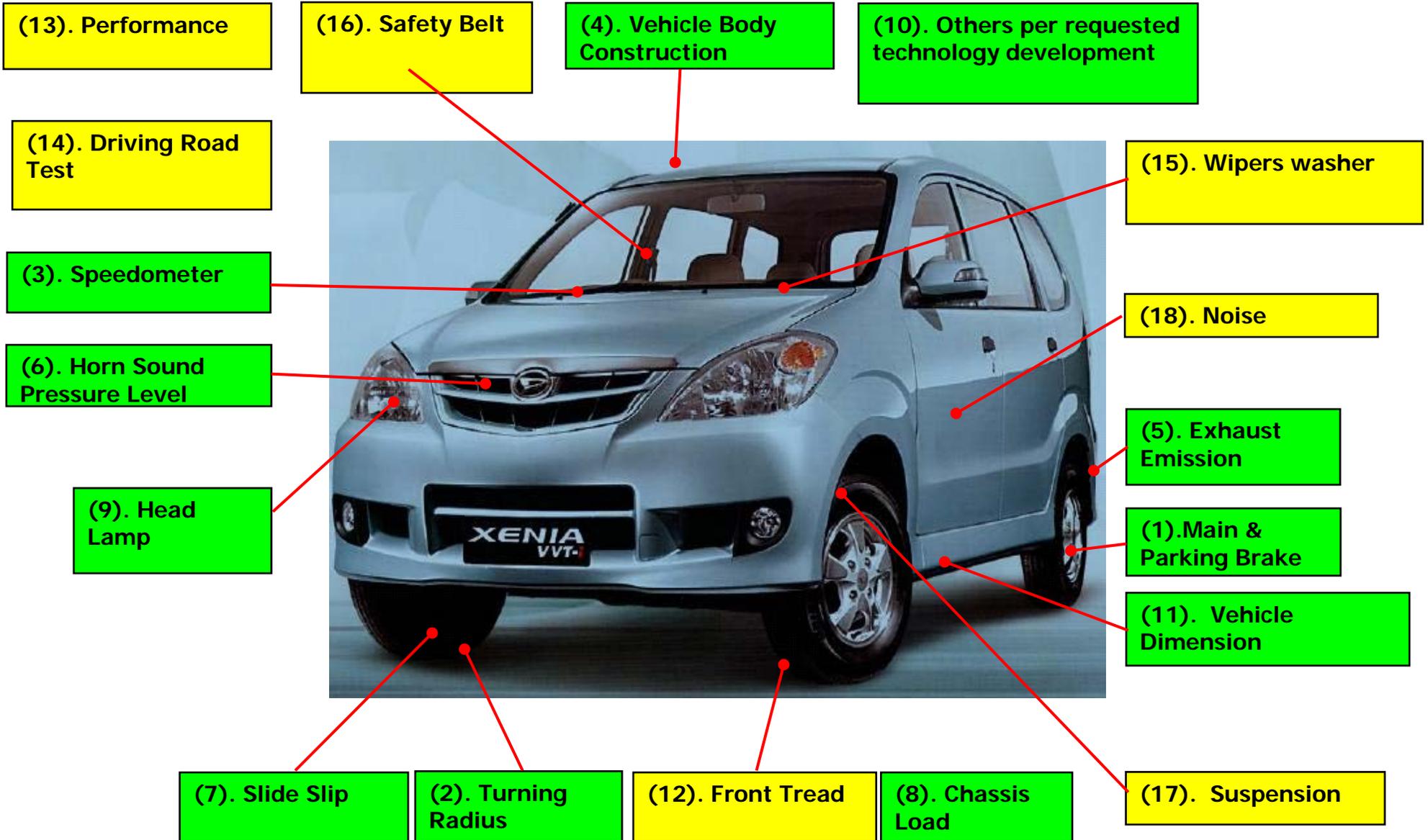
# FLOW PROCEDURE OF VEHICLE TYPE APPROVAL BASE ON MINISTER REGULATION NO: 9 YEAR 2004



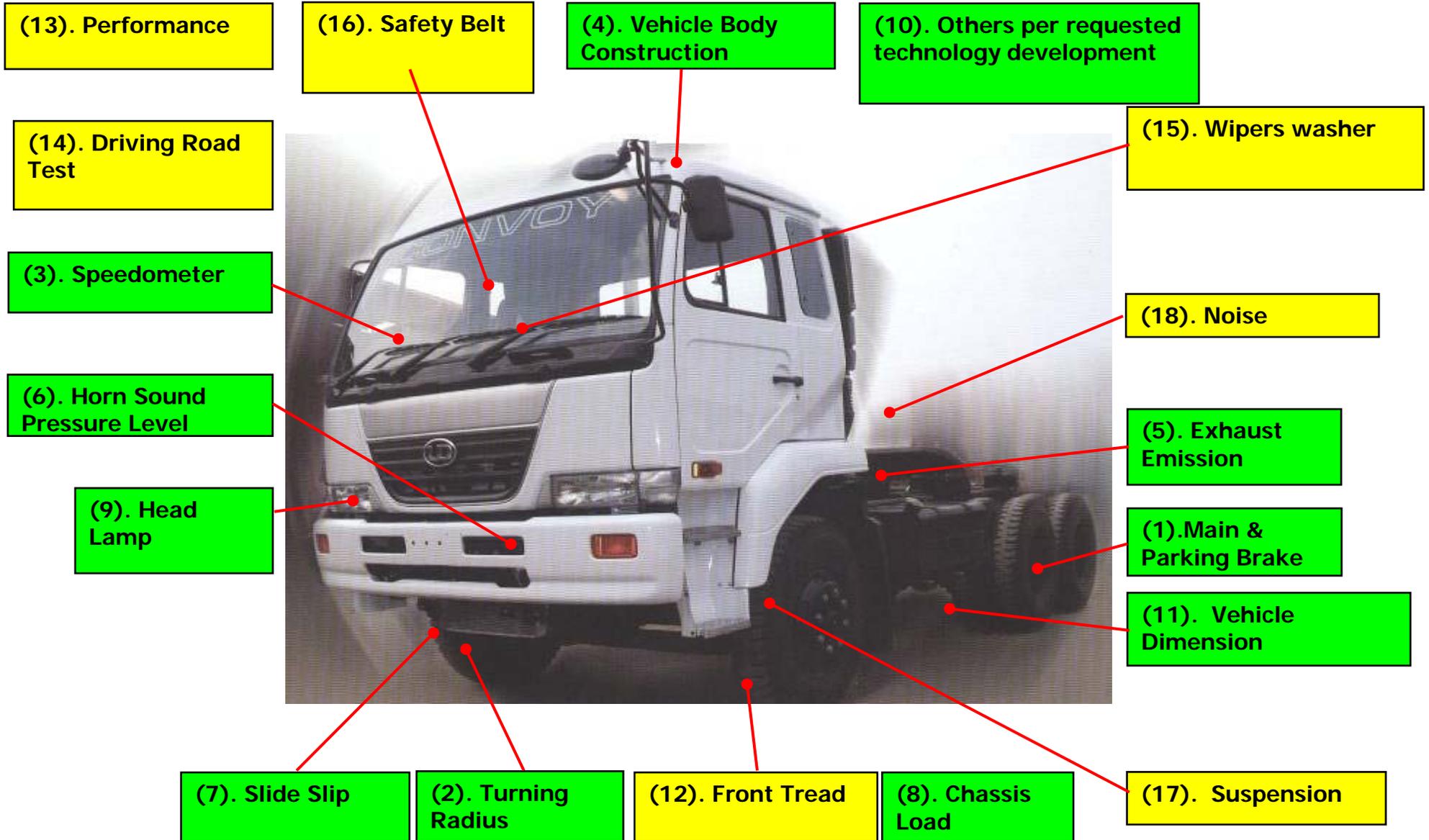
# MINISTER REGULATION NO: 9 YEAR 2004 CONCERNING VEHICLE TYPE APPROVAL SYSTEM

N O	DESCRIPTION	LOCATION	IMPLEMENTATION	REMARK
1	HEAD LIGHT TESTER	INDOOR	ECE STANDARD	OK
2	SPEEDOMETER TESTER	INDOOR	ECE R 39	CATEGORY M ONLY
3	SMOKE TESTER	INDOOR	ECE R 24	OK
4	CAR LIFT	INDOOR	DIN ISO 9001	UP TO 5500 KG
5	EMISION GAS ANALYSER	INDOOR	ISO 9141-2	OK
6	EMISION GAS ANALYSER	INDOOR	ECE R 83	CATEGORY M1 AND N1
7	PERFORMANCE	INDOOR	ECE R 85	OK
8	SUSPENSION TESTER	INDOOR	EUSAMA +	CATEGORY M ONLY
9	SOUND LEVEL METER	OUTDOOR	ECE R 28	OK
10	SIDESLIP TESTER	INDOOR	JAPAN STANDARD	OK
11	BRAKE TESTER	INDOOR	JAPAN STANDARD	OK
12	TURNING RADIUS	OUTDOOR	JAPAN STANDARD	OK
13	AXLE LOAD METER	INDOOR	ALL STANDARD	OK

# VEHICLE TEST REQUIREMENT BASE ON MINISTER DECREE NO: 9 YEAR 2004



# VEHICLE TEST REQUIREMENT BASE ON MINISTER DECREE NO: 9 YEAR 2004



**THANK YOU**

# 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

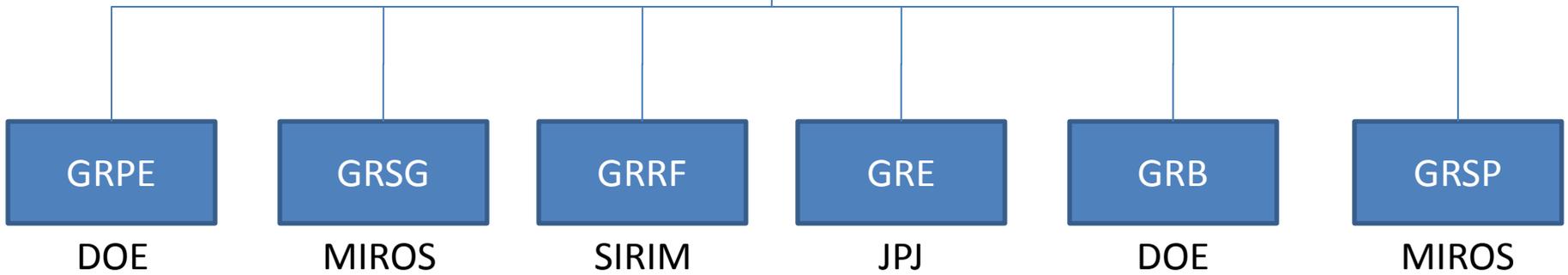
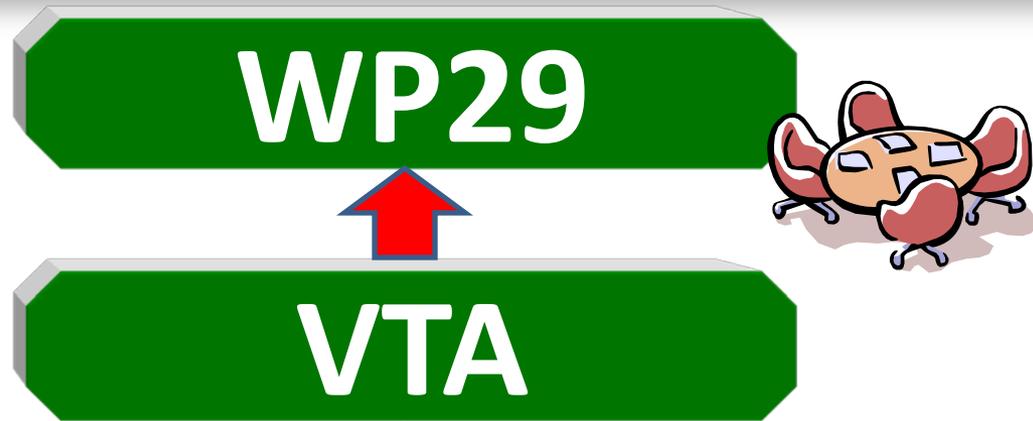
**Vehicle Type Approval** is a homologation process to confirm production sample of a vehicle design will meet specified standards/regulations before a vehicle registration is allowed in Malaysia. Generally, vehicle type approval consist of component type approval and general requirements compliance.

**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
-----	-----	-----	-----	-----	------	-----	------	------	------

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.



# Harmonisation of vehicle regulations in the context of IWVTA

- -the Indian Government Perspective

- **Regulatory bodies and processes for according WVTAs -in place in India**
- **Type Approval of every motor vehicle is mandatory as per Rule 126 of Central Motor vehicles Rules,1989**
- **78% of the Indian regulations are technically or partially aligned with ECE regulations**
- **Thus a kind of de facto harmonisation, if not de jure in terms of WP .29 already effected**

- **India has not yet acceded to the 1958 Agreement but is a signatory to the 1998 agreement from April 2006.**
- **Participating in meetings of WP .29 1958 Agreement as an observer since 2002 ; in JASIC and IWVTA IG meetings as well.**
- **India's participation record and future plan**

	2011	2012
WP .29 meetings	3	3
GR meetings	11	12

# Roadmap for the future

## -towards IWVTA

- **India welcomes the thinking at 155<sup>th</sup> Meeting of WP. 29 to review the 1958 agreement so as to bring about changes that will make it attractive for the emerging economies to accede.**
- **India is willing and prepared to engage fruitfully with Partners in shaping the contours of such an agreement.**







































# 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. Budi Prasetyo Susilo**  
**Senior Advisor of GAIKINDO**

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

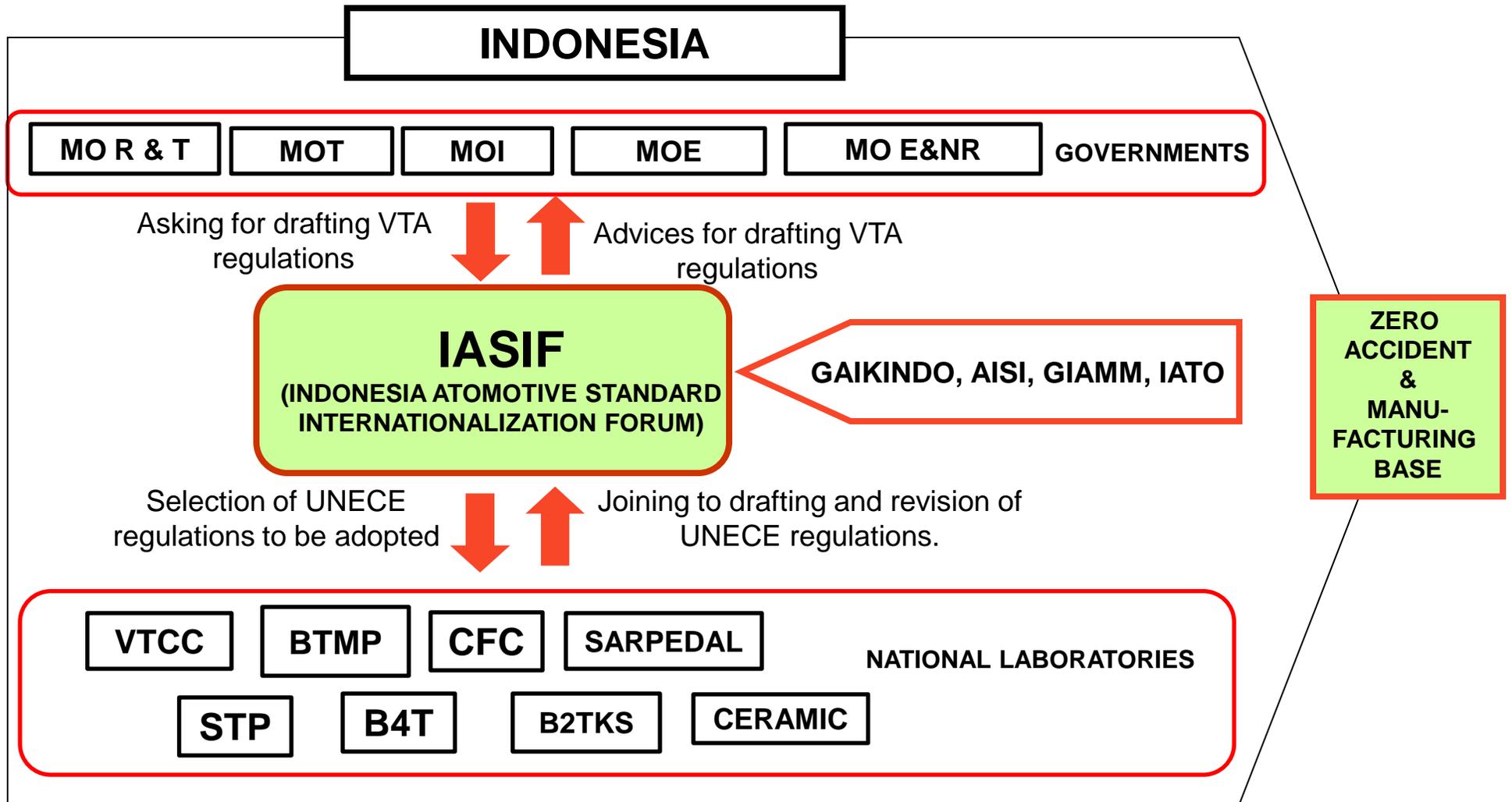


**Confirmation of Accession Plan to  
1958/98 Agreement,  
UN/ECE Regulation Adoption Plans  
and latest situation of VTA system**

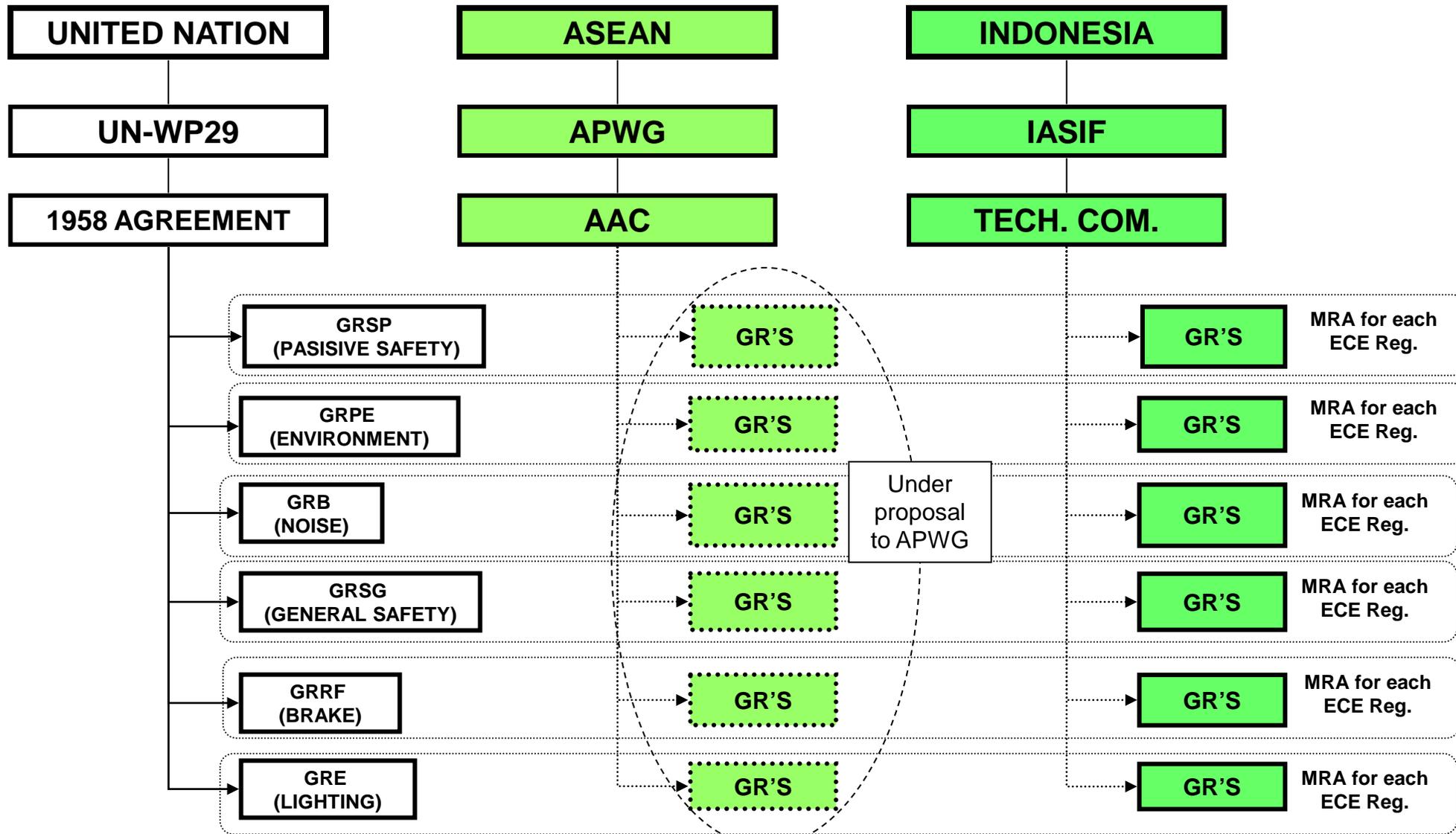
Jakarta, 23 November 2011

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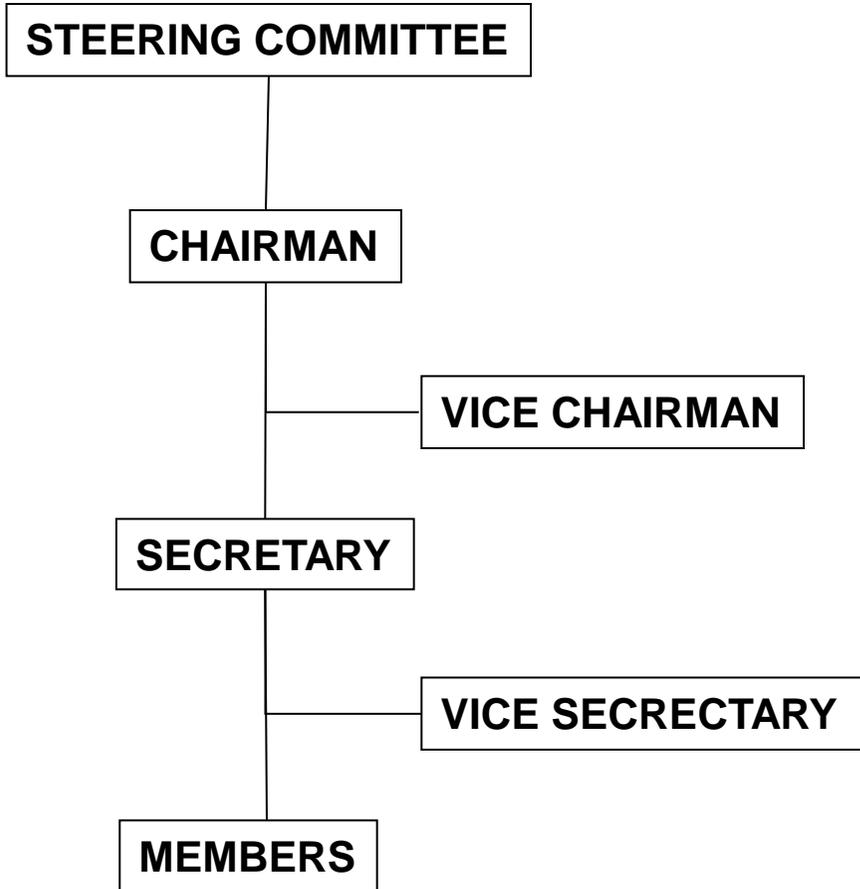
# ESTABLISHMENT OF IASIF (DIRECTOR GENERAL DECREE NO: 2105/KP.801/DRJD/2011)



# SIMILARITY OF MRA ADOPTION SCHEME



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# IASIF ROAD MAP

BASED ON DIRECTOR GENERAL DECREE NO: 2105/KP.801/DRJD/2011 (JUNE 19-2011)

- TARGETS :**
1. SAFETY REGULATION IMPROVEMENT FOR ZERO ACCIDENT ACHIEVEMENT,
  2. INDONESIA AUTOMOTIVE INDUSTRY BECOME MANUFACTURING BASE.

NO.	ACTIVITIES	2011	2012	2013	2014	2015
1.	IASIF ESTABLISHMENT	6				
2.	FEASIBILITY STUDY FOR ACCESSION 1958 AGREEMENT	9				
3.	SIGNING 1958 AGREEMENT		6			
4.	FEASIBILITY STUDY FOR UNECE REG. OF ADOPTION SELECTION		12			
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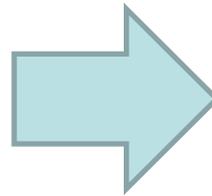
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2011

2015

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3	Seat belt anchorage	R14	MOI	B2TKS	GIAMM, SAFETY BELT ASSC.		
4	Seat belt	R16	MOI	B2TKS	GIAMM, SAFETY BELT ASSC.	ALREADY	ALREADY
5	Seats	R17	MOI	B2TKS	GIAMM, SAFETY BELT ASSC.		
6	Head Restraints	R25	MOI	B4T	GIAMM, SAFETY BELT ASSC.		
7	Pneumatic tyre – passenger	R30	MOI	B4T	GIAMM, TIRE ASSC.	ALREADY	ALREADY
8	Speedometer	R39	MOT	VTCC	GKD, GIAMM		
9	Exhaust Emission (L )	R40	MOT	BTMP	AISI		
10	Noise (L category)	R41	MOT	VTCC	AISI		
11	Safety glass	R43	MOI	CERAMIC	GKD, GIAMM, ASAKA	ALREADY	ALREADY
12	Rear View Mirror	R46	MOT	VTCC	GKD, GIAMM, ASAKA		
13	Diesel Emission	R49	MOT	BTMP	GAIKINDO		ALREADY
14	Noise emission	R51	MOT	VTCC	GAIKINDO		
15	Pneumatic tyre – commercial	R54	MOT	B4T	GIAMM, TIRE ASSC.	ALREADY	ALREADY
16	Driver Operated Control	R60	MOT	VTCC	AISI		
17	Tyre (L category)	R75	MOI	B4T	GIAMM, TIRE ASSC.	ALREADY	ALREADY
18	Steering Equipment	R79	MOT	VTCC	GKD, GIAMM, ST. ASSC.		
19	Exhaust Emission	R83	MOT	BTMP	GAIKINDO		ALREADY

# **Latest situation of VTA system**

# STATUS OF VEHICLE TYPE APPROVAL LAW & REGULATION

## PREVIOUS VTA REGULATION.

- TRAFFIC LAW NO:  
14 YEAR 1990.
- PRESIDENT  
REGULATION NO:  
44 YEAR 1993  
CONCERNING  
VEHICLE AND  
DRIVER.
- MINISTER  
REGULATION  
NO: 9 YEAR 2004  
CONCERNING  
VEHICLE TYPE  
APPROVAL SYSTEM

## CURRENT VTA REGULATION.

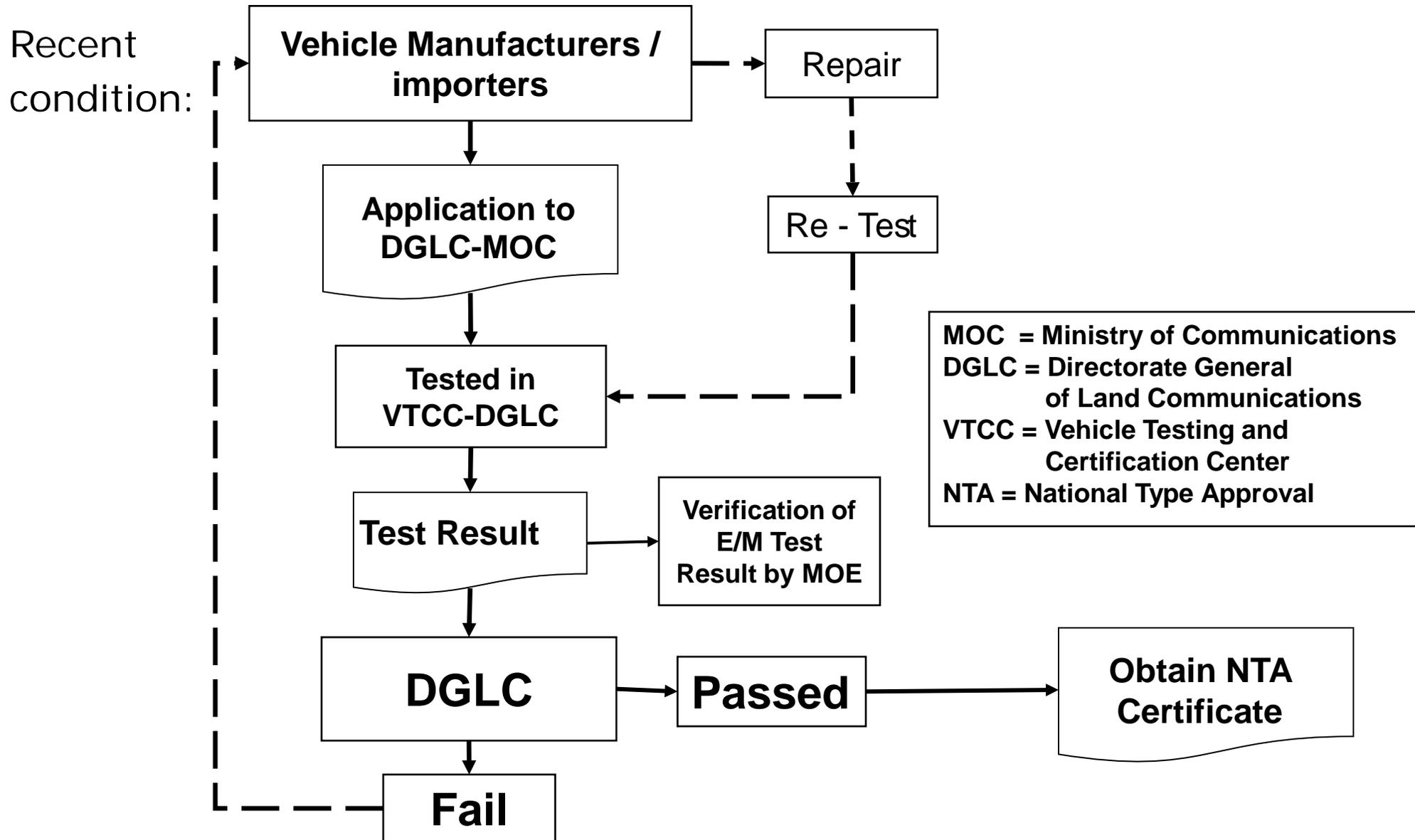
- **TRAFFIC LAW NO:  
22 YEAR 2009.**
- PRESIDENT  
REGULATION NO:  
44 YEAR 1993  
CONCERNING  
VEHICLE AND  
DRIVER.
- MINISTER  
REGULATION  
NO: 9 YEAR 2004  
CONCERNING  
VEHICLE TYPE  
APPROVAL SYSTEM

## FUTURE VTA REGULATION.

- **TRAFFIC LAW NO:  
22 YEAR 2009.**
- ***DRAFT OF  
PRESIDENT  
REGULATION  
CONCERNING  
VEHICLE AND  
DRIVER.***
- ***DRAFT OF  
MINISTER  
REGULATION  
CONCERNING  
VEHICLE TYPE  
APPROVAL  
SYSTEM***

**IVTA  
(INTER-  
NATIONAL  
VEHICLE  
TYPE  
APPROVAL  
SYSTEM)**

# FLOW PROCEDURE OF VEHICLE TYPE APPROVAL BASE ON MINISTER REGULATION NO: 9 YEAR 2004



# MINISTER REGULATION NO: 9 YEAR 2004 CONCERNING VEHICLE TYPE APPROVAL SYSTEM

N O	DESCRIPTION	LOCATION	IMPLEMENTATION	REMARK
1	HEAD LIGHT TESTER	INDOOR	ECE STANDARD	OK
2	SPEEDOMETER TESTER	INDOOR	ECE R 39	CATEGORY M ONLY
3	SMOKE TESTER	INDOOR	ECE R 24	OK
4	CAR LIFT	INDOOR	DIN ISO 9001	UP TO 5500 KG
5	EMISION GAS ANALYSER	INDOOR	ISO 9141-2	OK
6	EMISION GAS ANALYSER	INDOOR	ECE R 83	CATEGORY M1 AND N1
7	PERFORMANCE	INDOOR	ECE R 85	OK
8	SUSPENSION TESTER	INDOOR	EUSAMA +	CATEGORY M ONLY
9	SOUND LEVEL METER	OUTDOOR	ECE R 28	OK
10	SIDESLIP TESTER	INDOOR	JAPAN STANDARD	OK
11	BRAKE TESTER	INDOOR	JAPAN STANDARD	OK
12	TURNING RADIUS	OUTDOOR	JAPAN STANDARD	OK
13	AXLE LOAD METER	INDOOR	ALL STANDARD	OK

# VEHICLE TEST REQUIREMENT BASE ON MINISTER REGULATION NO: 9 YEAR 2004

(13). Uji Prestasi/Performance

(16). Uji Sabuk Keselamatan

(4). Pemeriksaan Konstruksi

(10). Lainnya sesuai perkembangan teknologi

(18). Uji Kebisingan

(14). Uji Jalan/Kemampuan jalan

(3). Uji Speedometer

(6). Uji tingkat suara klakson

(9). Uji Lampu



(15). Uji/Pengukuran Pembersih Kaca

(5). Uji Emisi Gas Buang

(1). Rem Utama & Parkir

(11). Uji /pengukuran dimensi

(7). Uji Kincup Roda Depan

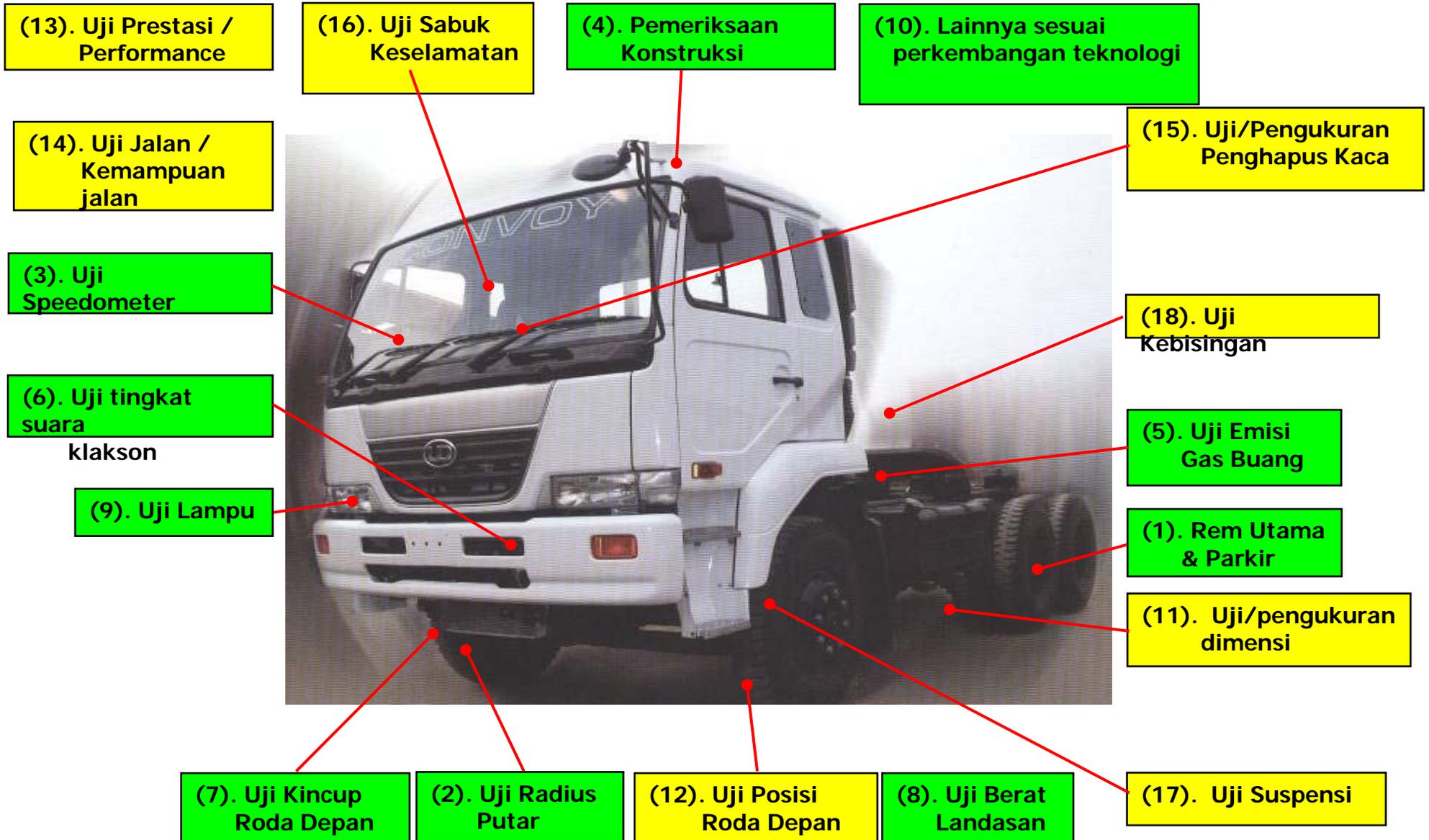
(2). Uji Radius Putar

(12). Uji Posisi Roda Depan

(8). Uji Berat Landasan

(17). Uji Suspensi

# VEHICLE TEST REQUIREMENT BASE ON MINISTER REGULATION NO: 9 YEAR 2004



**THANK YOU**

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

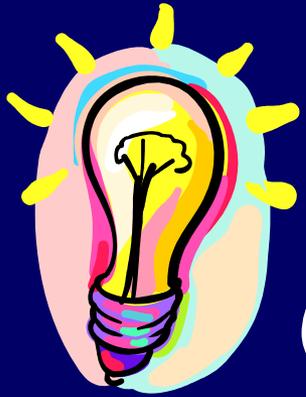
***JASIC Asian G/I meeting  
23,24, Nov. 2011***

***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*

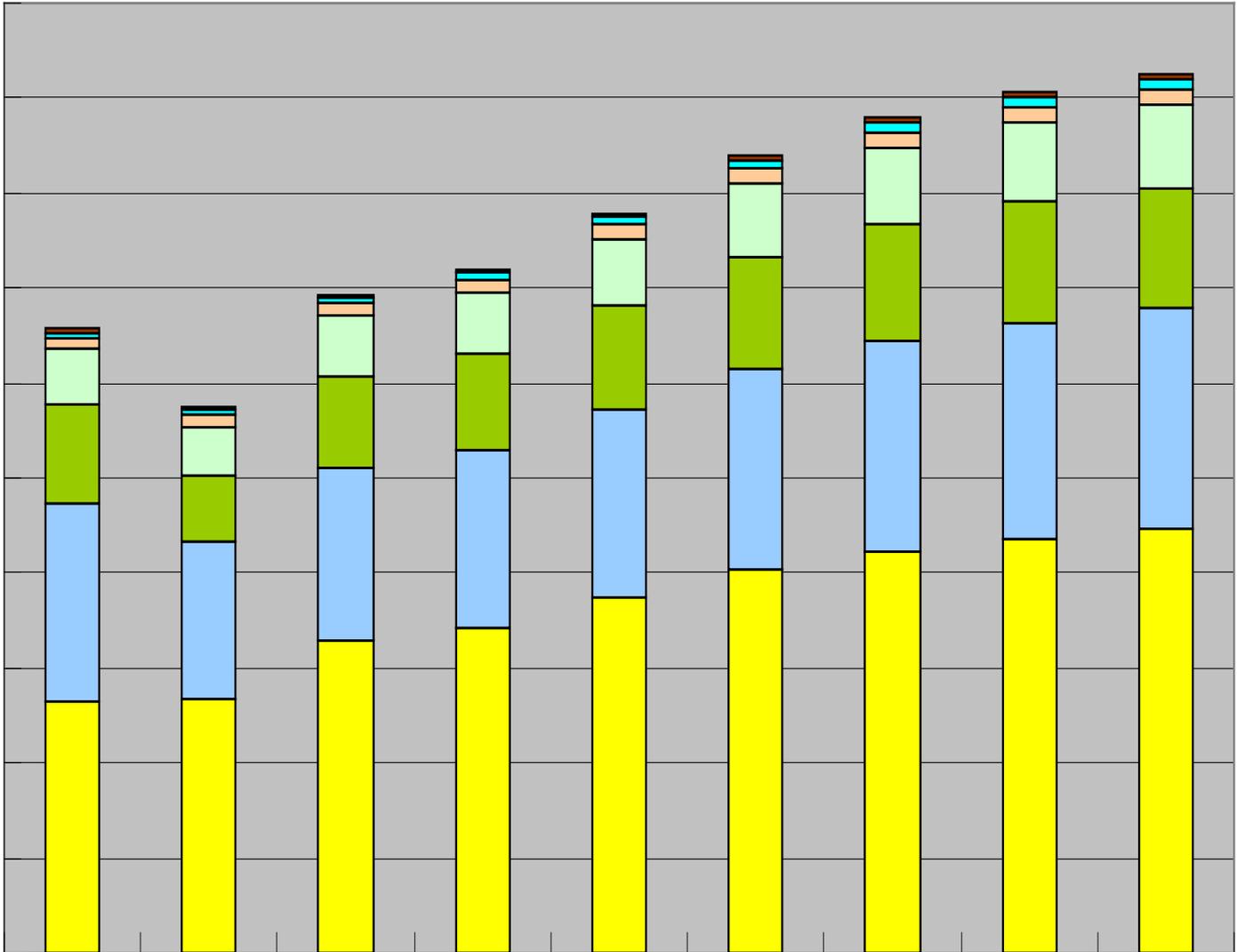
*is*

*our ASIA*

# Forecast of World Automobile production

Million vehicles

100

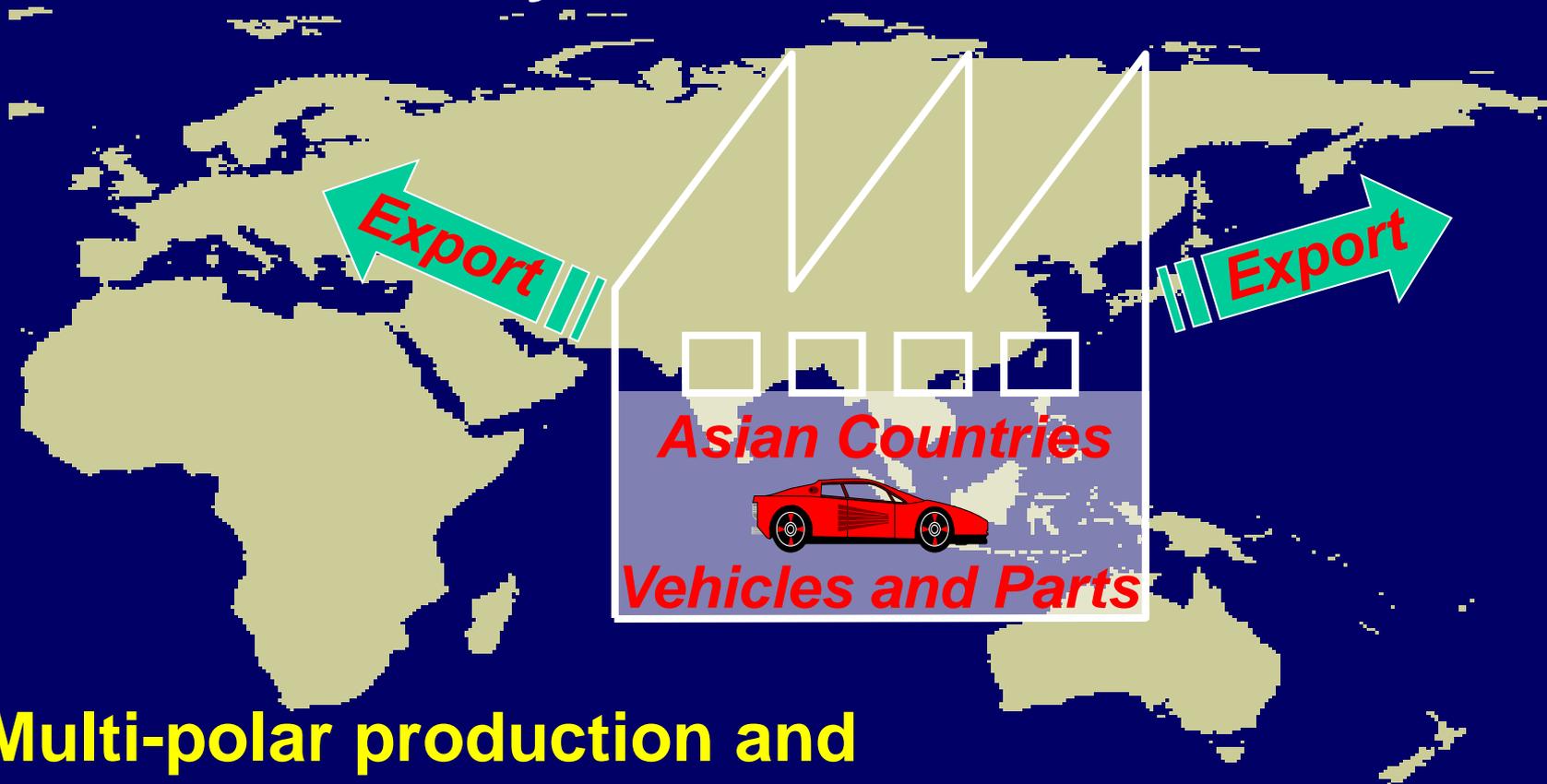


- Oceania
- Africa
- Middle East
- Central and South America
- North America
- Europe (including NIS)
- Asia

2008 2009 2010 2011 2012 2013 2014 2015 2016

## 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.

# Regulations and Certification Systems: Expected Role of our Asia

· *Internationalization for Reg & Certification*

- *Harmonize Activity between Asian Countries Based on UN-ECE Reg*
- *Mutual recognition of Certification in Asia Based on 1958 Agreement*

WP29  
Harmonize  
Activity

UN-ECE  
R.XX

**Introduce and Harmonize Activity**

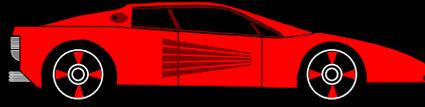


**Regulations  
Certification**

**Asian  
Countries**

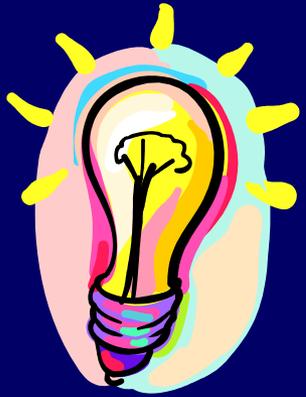


**Asian Countries**  
**Vehicles and Parts**



**with (E) certification**

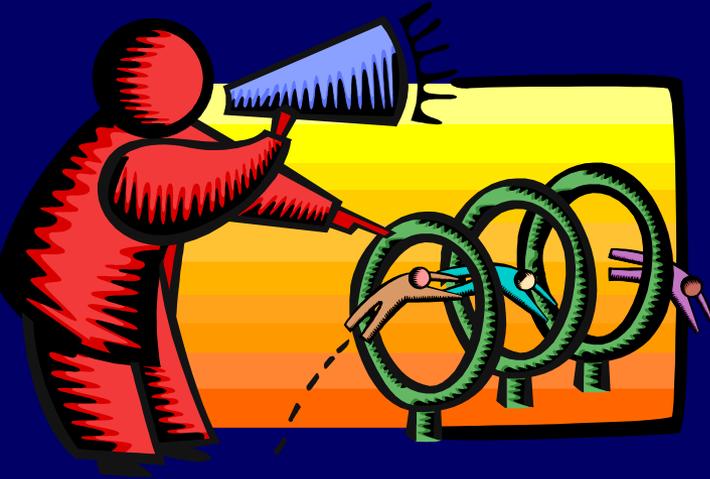
**UN-ECE 1958 Agreement**



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



ECE Regs

- Clear
- Safety
- Environment friendly
- International

## 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*



**UN-ECE**

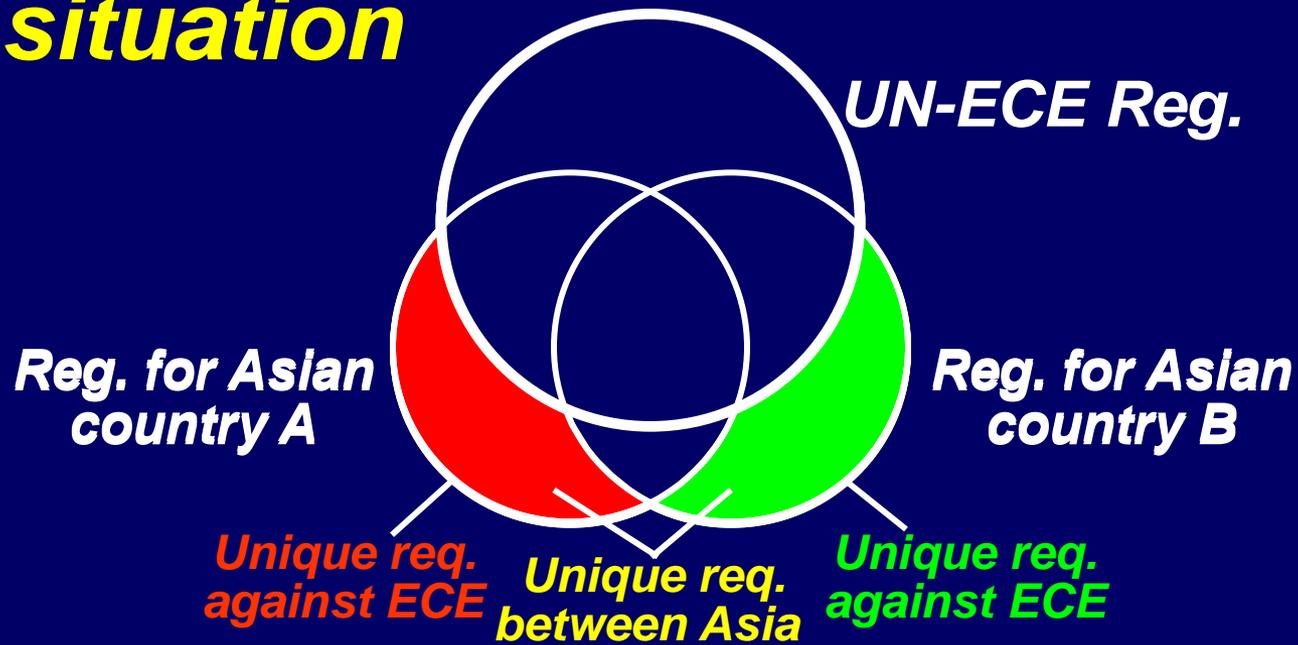
To guarantee Safety  
To keep Environment  
To do Worldwide business



**UN-ECE**

**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



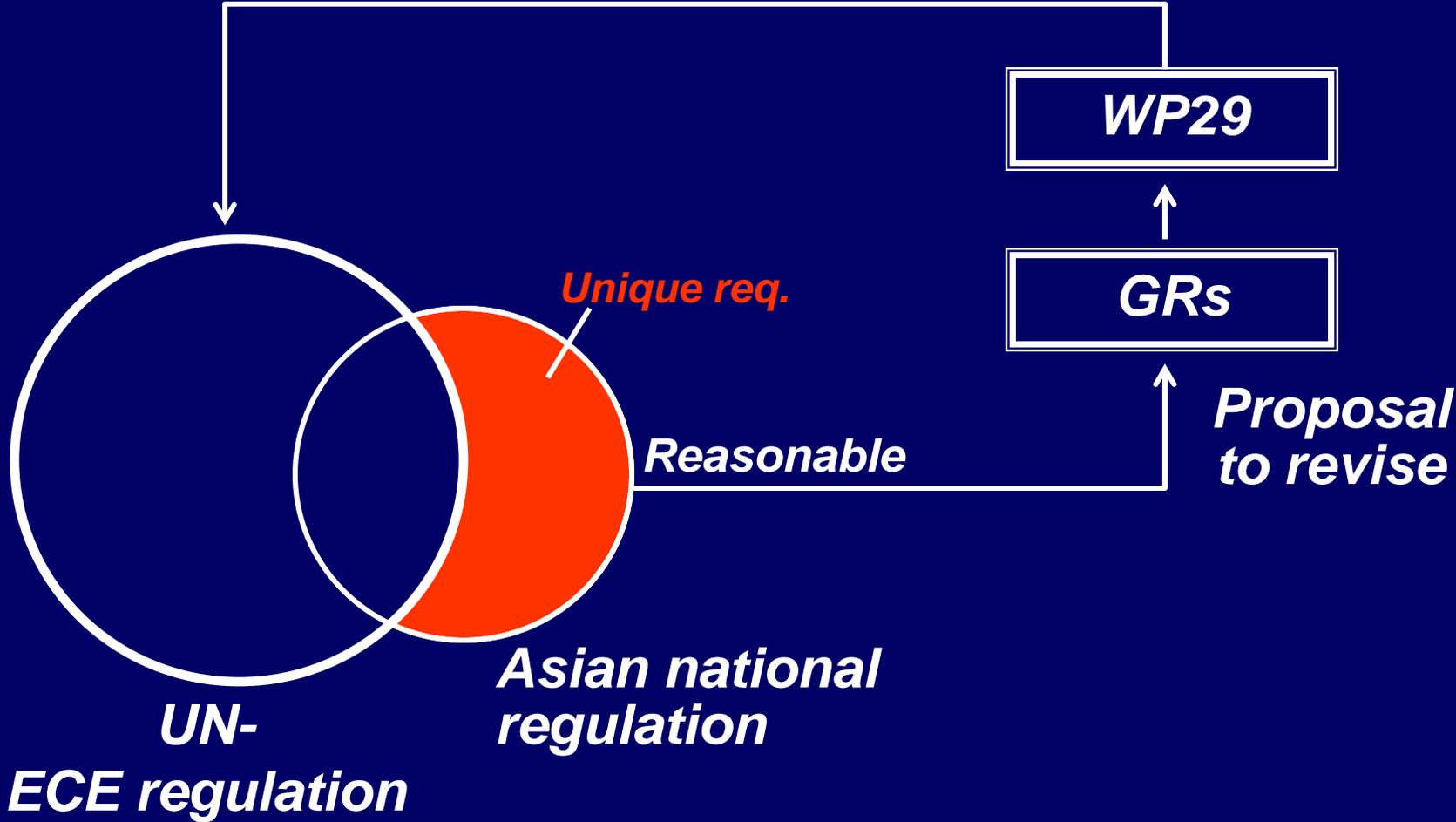
Our Asian countries should **discuss the necessity of our unique requirements.**

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

# 1) Harmonization of Requirements

## Reasonable unique requirements

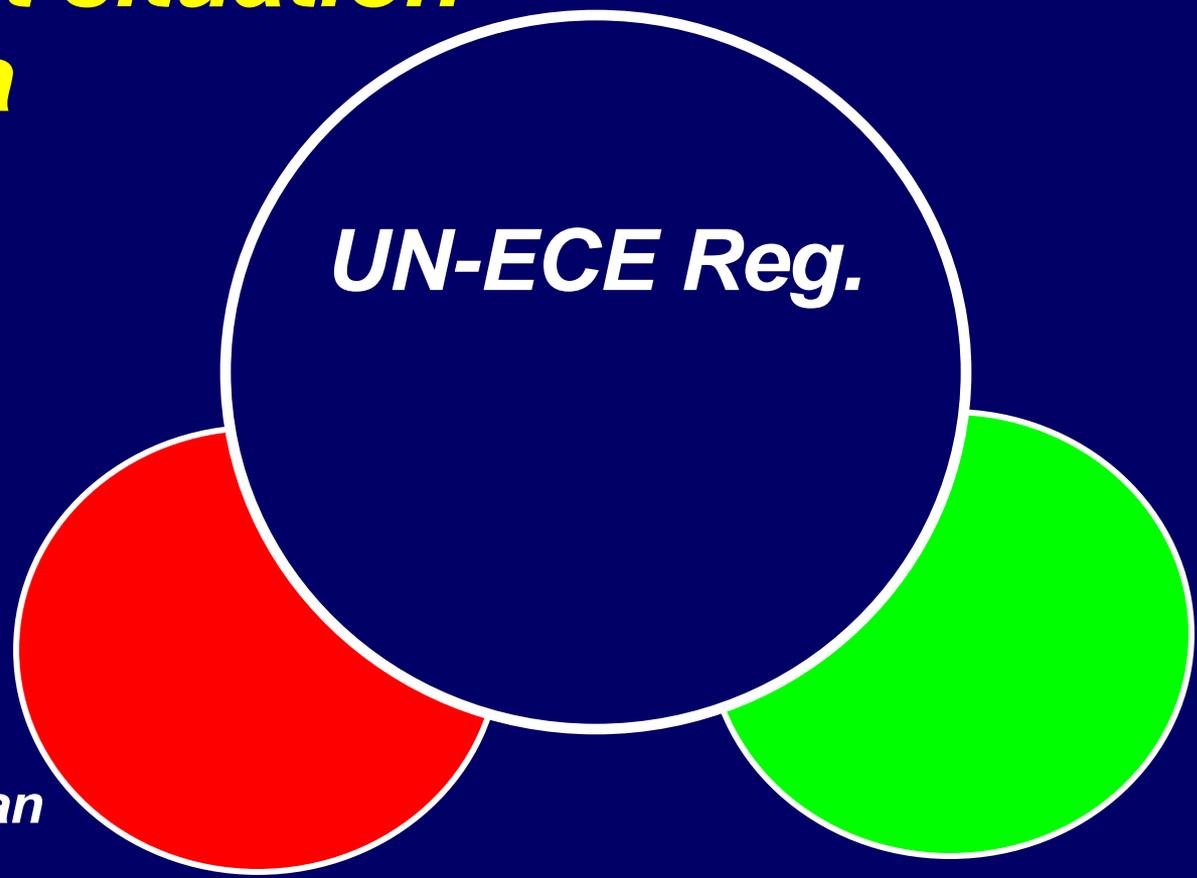
Revise



**current situation  
in Asia**



**Our  
wish**



**Reg. for Asian  
country A**  
**Unique requirement  
against ECE**

**Reg. for Asian  
country B**  
**Unique requirement  
against ECE**

**current situation  
in Asia**



**Our  
wish**



**UN-ECE Reg.**

**Reg. for Asian  
country A**  
**Unique requirement  
against ECE**

**Reg. for Asian  
country B**  
**Unique requirement  
against ECE**

# How about the direction of current Asian situation ?

## 2) **MRA** (*Mutual Recognition of Approvals*)



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



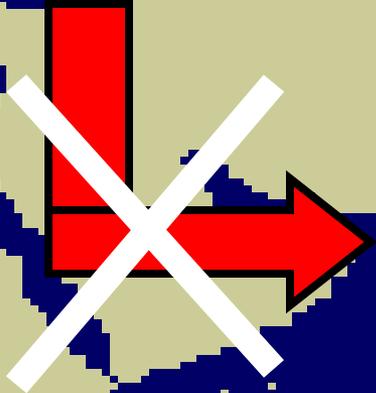
**UN-ECE(1958 Agreement)** is the most appropriate and closest path (**tool**) to **realize** our Asian internationalization and **competitive power** in worldwide market.

**JAPIA 2) MRA (Mutual Recognition of Approvals)**

**UN-ECE 1958 Agreement**

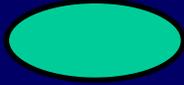
**Ⓔ certification**

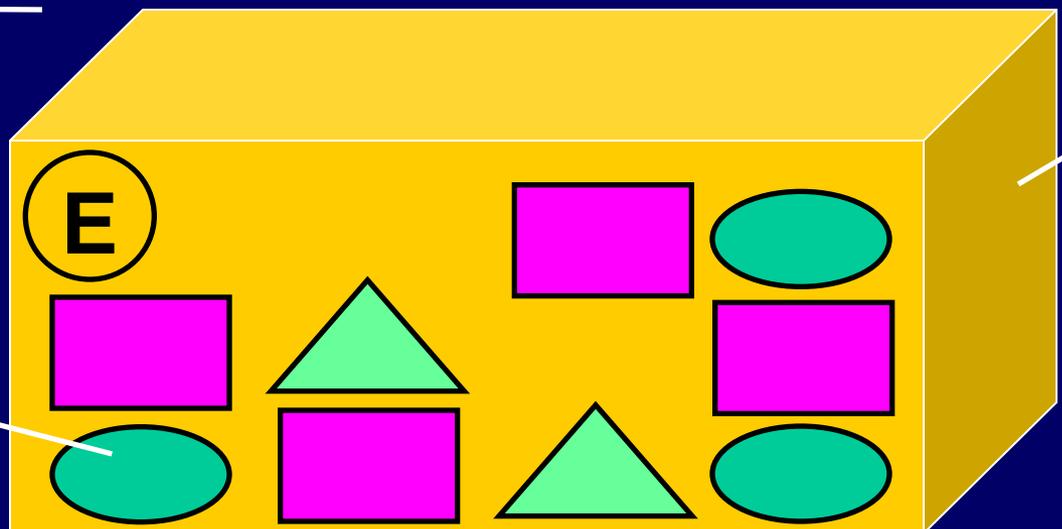
**Some Individual certification systems in Asia countries**



# 2) MRA (Mutual Recognition of Approvals)

## current situation in Asia

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

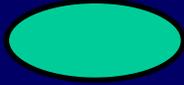


Individual approval marking

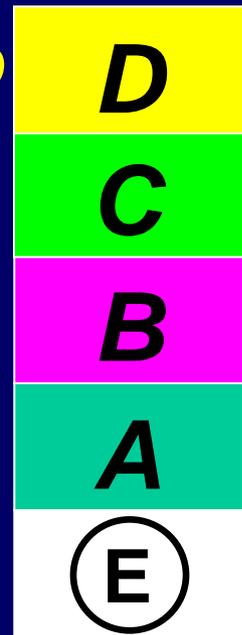
Component

# 2) MRA (Mutual Recognition of Approvals)

## current situation in Asia

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

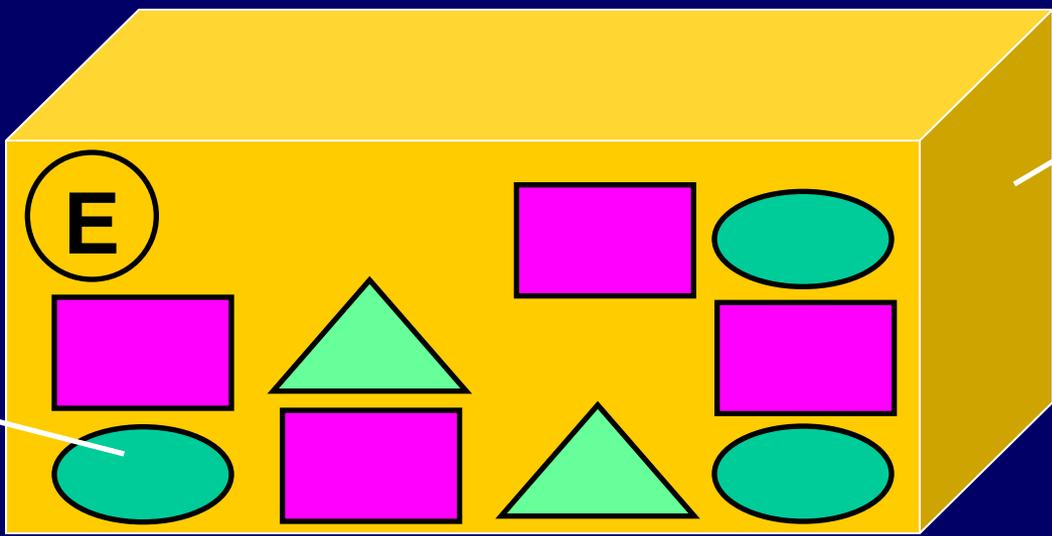
Cost up



Expense on users

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

# 2) MRA (Mutual Recognition of Approvals)

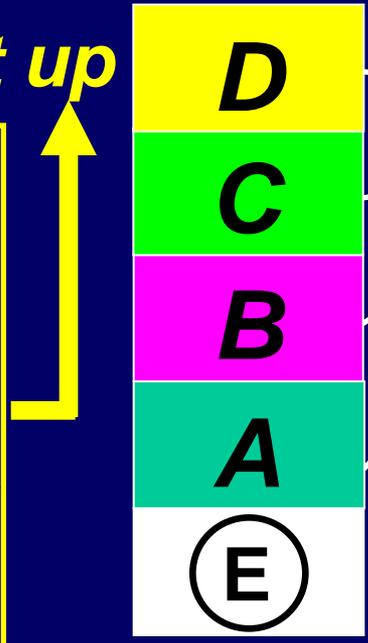


**Component**

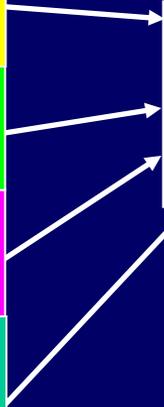
**Individual approval marking**

**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



**Expense on users**



# 2) MRA (Mutual Recognition of Approvals)

**Our wish**



**Component**

**Individual approval marking**

**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**



**Expense on users**





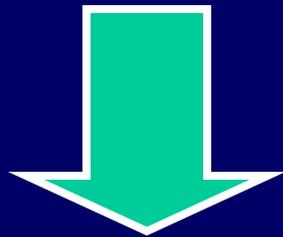
6-

**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



Certification of component **A**

Certification of component **B**

Certification of component **C**

Certification of component

Certification of component **D**

Certification of component **E**

Certification of component **F**

Certification of component



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



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

# Imagine again

~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*

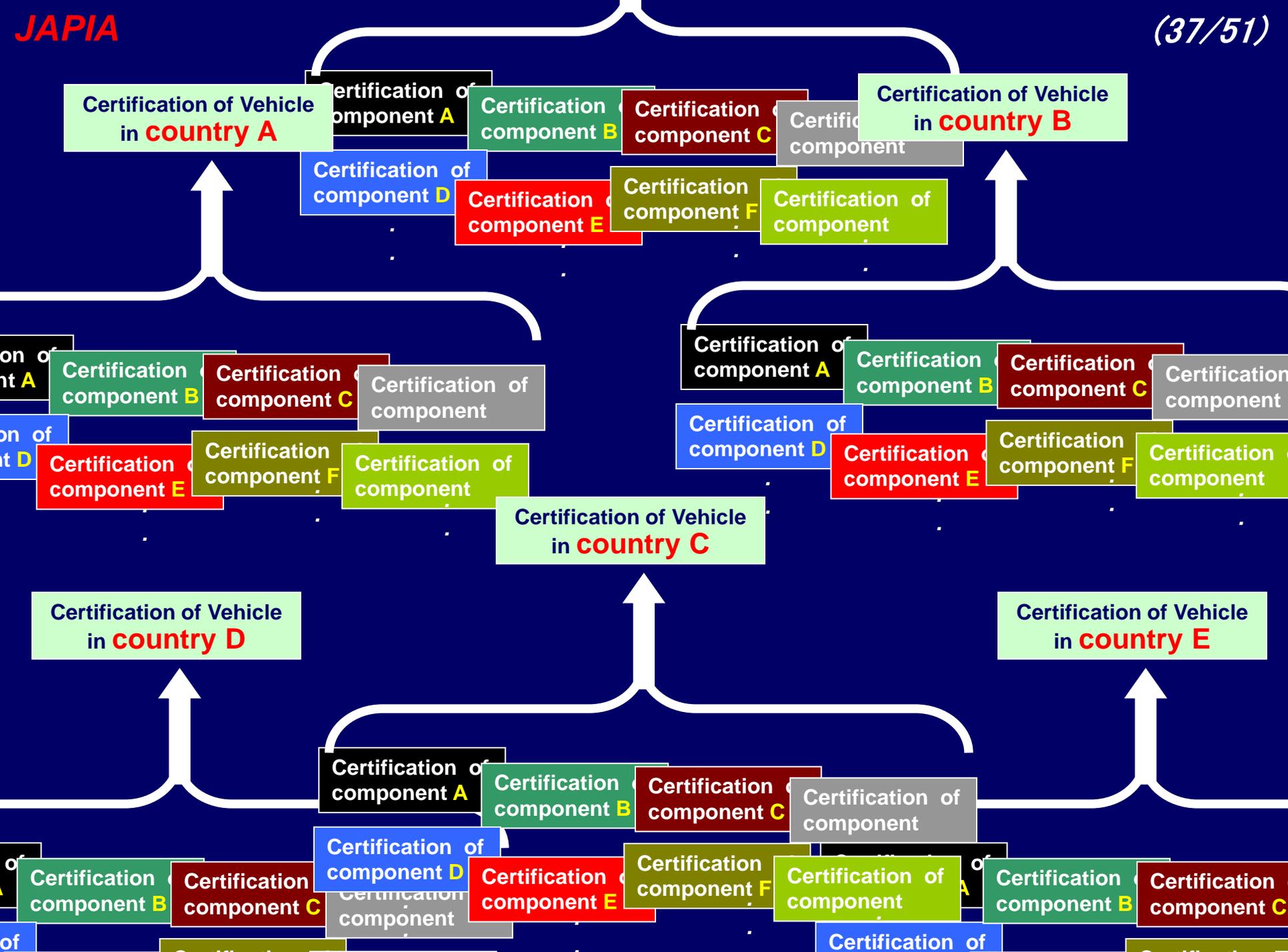
Let's Imagine ~ G / I meeting members ~

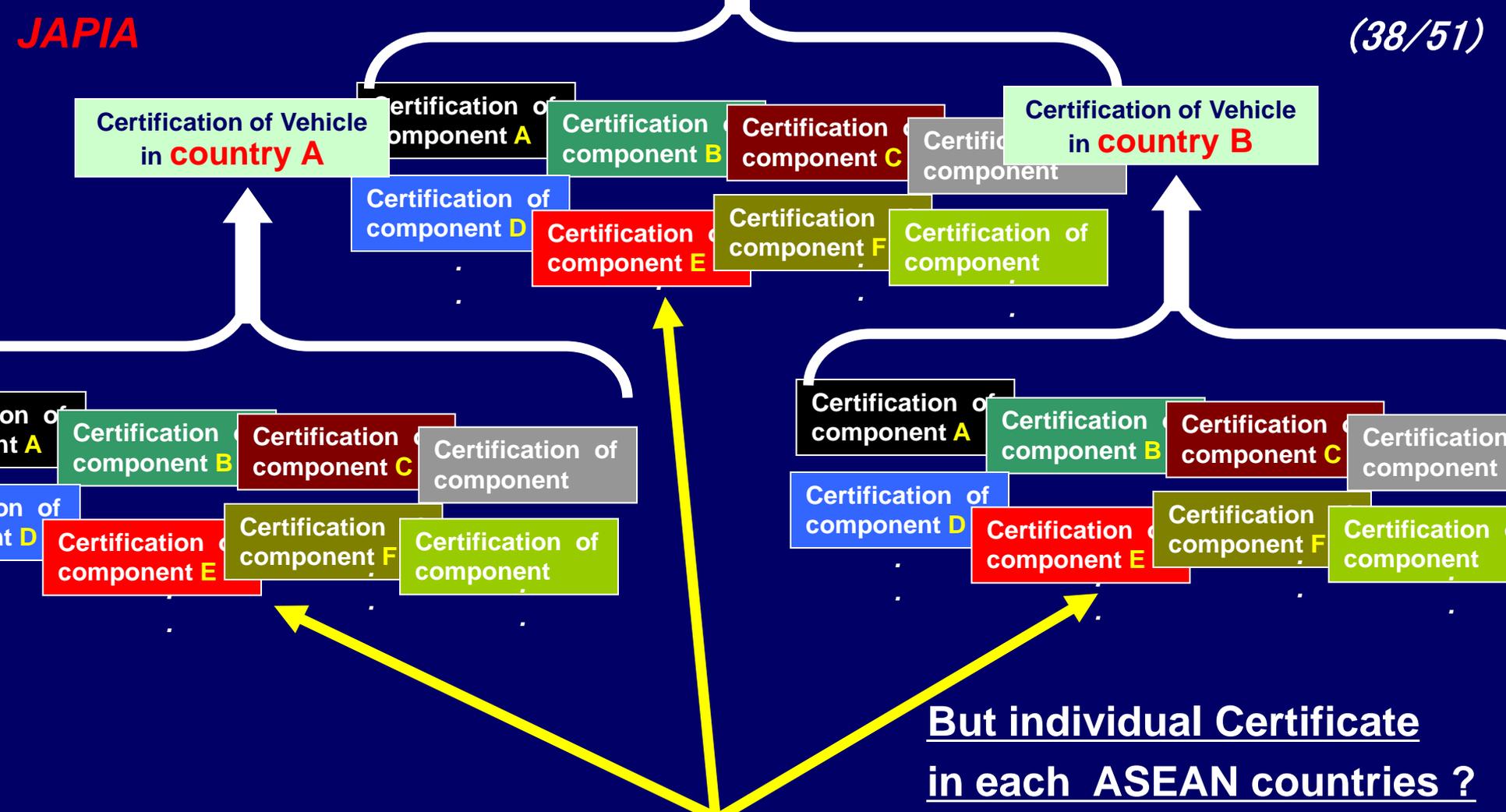
*If each countries has*

*Individual Test Report* (requirements)

*and*

*Individual Certification system*

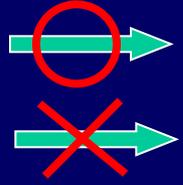




**If MRA = Common Test Report in ASEAN**

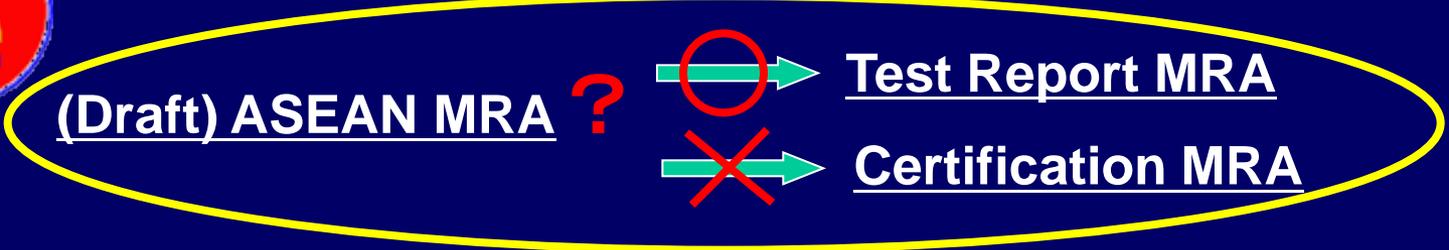


(Draft) ASEAN MRA ?

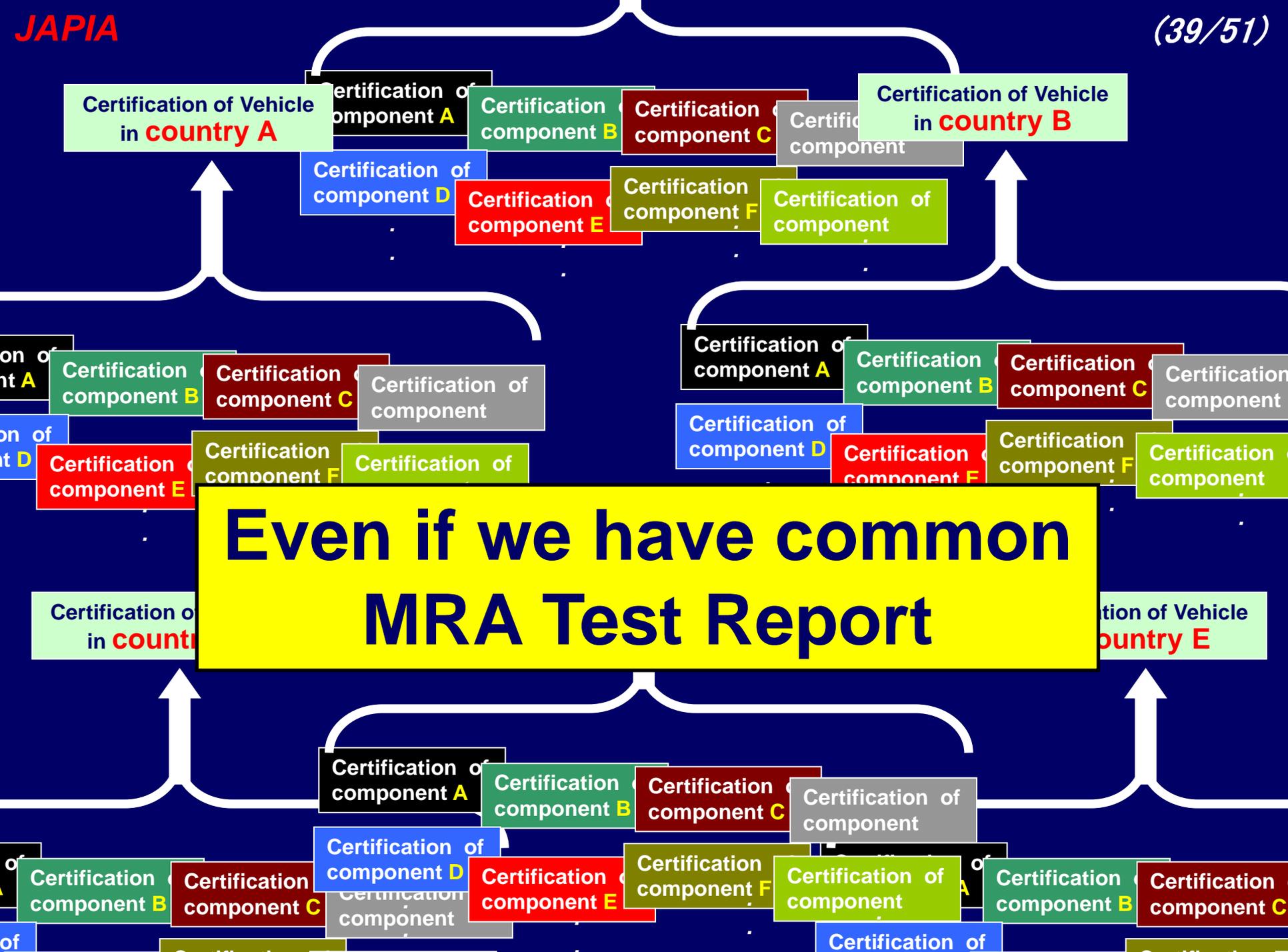


Test Report MRA

Certification MRA



Even if we have common MRA Test Report



Certification of Vehicle  
in **country A**

Certification of Vehicle  
in **country B**



# Common ASEAN

## Components certifications for all **ASEAN** countries

Certification of Vehicle  
in **country C**

Certification of Vehicle  
in **country D**

Certification of Vehicle  
in **country E**

Certification  
component

certification of  
component

**ASEAN MRA  
Certification**

**ASEAN MRA  
Test Report**

Certification of  
component D

Certification  
component E

Certification  
component F

Certification of  
component



Certification of Vehicle  
in **country A**

Certification of Vehicle  
in **country B**

# Common international Components certifications for Worldwide countries

Certification of Vehicle  
in **country C**

Certification of Vehicle  
in **country D**

Certification of Vehicle  
in **country E**

**ASEAN MRA  
Certification**

**ⓔ Certification**

**ASEAN MRA  
Test Report**

Certification  
component

Certification  
component

Certification of  
component D

Certification  
component E

Certification  
component F

Certification of  
component



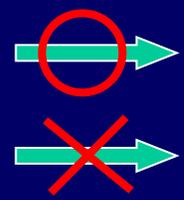
If ASEAN MRA will be applied for only local manufactured products in ASEAN countries.



ASEAN MRA will be closed for the future to international business



(Draft) ASEAN MRA ?



for local manufactured products

for marketed products

( local manufactured & imported )

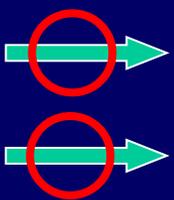
ASEAN MRA will be applied for the marketed products (local manufactured & imported)



ASEAN MRA will be open for the future to a center of International automobile supply to worldwide market



(Draft) ASEAN MRA ?



for local manufactured products

for marketed products

(local manufactured & imported)

# Open to the Ideal future

## of ASEAN

Certification of Vehicle  
in **country A**

Certification of Vehicle  
in **country B**

### Common international Components certifications for Worldwide countries

Certification of Vehicle  
in **country C**

Certification of Vehicle  
in **country D**

Certification of Vehicle  
in **country E**

**ASEAN MRA  
Certification**

**ⓔ Certification**

**ASEAN MRA  
Test Report**

Certification  
component

Certification  
component

Certification of  
component D

Certification  
component E

Certification  
component F

Certification of  
component



# Open to the Ideal future

## of ASEAN

Certification of Vehicle  
in **country A**

Certification of Vehicle  
in **country B**

# Common international Components certifications for Worldwide countries

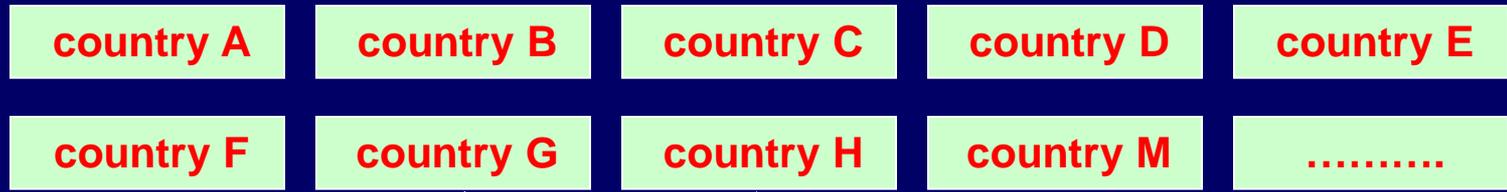
Certification of Vehicle  
in **country D**

Certification of Vehicle  
in **country C**

Certification of Vehicle  
in **country E**



# Common International **certifications** for all countries



Common International **Vehicle** certifications for all countries

## Important essential Base = Components certifications

Common International **Components** certifications for all countries



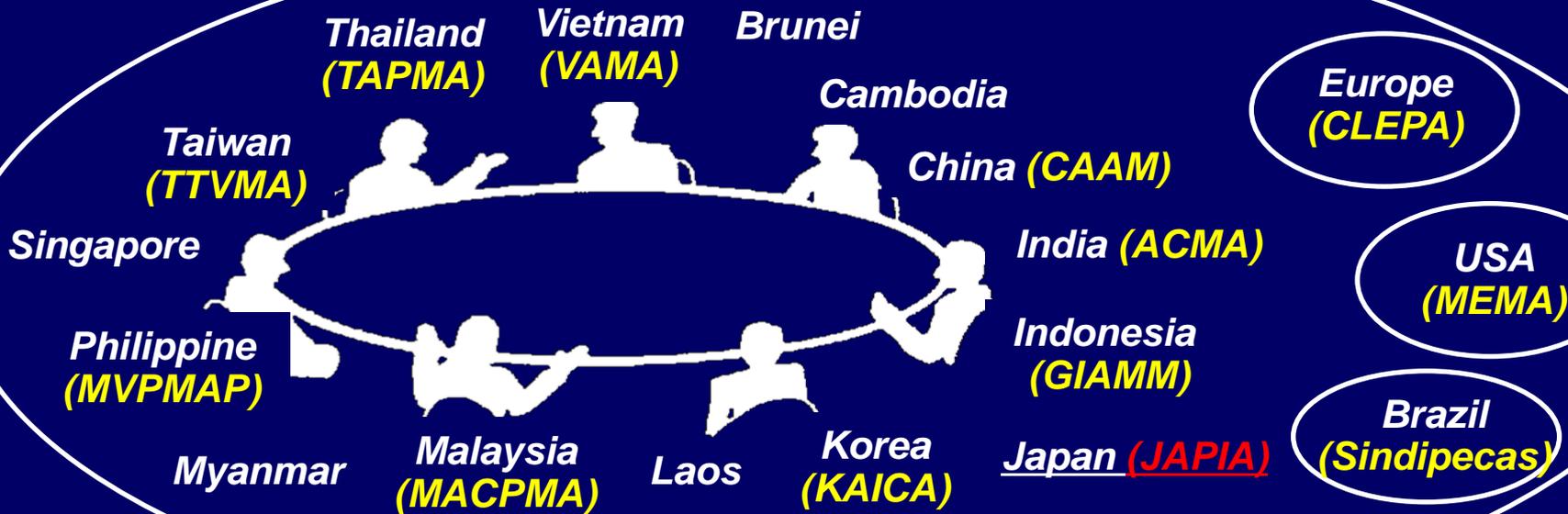


7-

**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



*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\*,

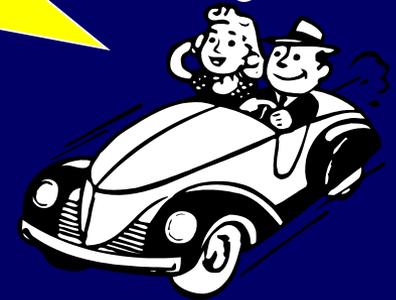
\*: Until the completion to contract the agreement or to accept the ECE regs

- 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  
Drivin  
g**

**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	<table border="1"> <thead> <tr> <th>Year</th> <th>WP.29 Meetings</th> <th>GR Meetings</th> </tr> </thead> <tbody> <tr> <td>2011</td> <td>3</td> <td>11</td> </tr> <tr> <td>2012</td> <td>3</td> <td>12</td> </tr> </tbody> </table>	Year	WP.29 Meetings	GR Meetings	2011	3	11	2012	3	12
Year	WP.29 Meetings	GR Meetings								
2011	3	11								
2012	3	12								
Indonesia	<p>2011 records:  <b>No participation</b></p> <p>2012 plans:  <b>Plan to attend as member (refer to IASIF's plan) in WP29 and GR Meeting.</b></p>									
Japan	<p>2011 records: We have been attending all of WP29 and GR meetings held so far and will attend all the forthcoming meetings as well.            Japan has been participated since 1977. In the beginning, Japan participated as observer.            2012 plans: We will attend all the meetings.</p>									
Korea										
Laos										
Malaysia	<p>2011 records: Not Join            2012 plans: 2 times</p>									
Myanmar	<p><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.</p>									
Philippines	<p><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</p>									
Singapore	<p>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 &amp; GRs as an observer.</p>									
Thailand	<p>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></p>									
Vietnam	<p>2011 records:            Not attending any WP29 and GR meetings            2012 plans:            Not yet</p>									
Chinese Taipei										

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

Brunei	
Cambodia	
China	
Hong Kong	---
India	<div style="border: 1px solid black; padding: 5px;"> <p><b>1. Govt. Agencies:</b></p> <p>i) Ministry of Road Transport &amp; Highways (MoRTH),  ii) Ministry of Heavy Industry &amp; Public Enterprises ( MoHI&amp;PE),  iii) National Automotive Testing and R &amp;D Infrastructure Project (NATRIP)</p> <p><b>2. Test Agencies:</b></p> <p>i) The Automotive Research Association of India (ARAI),  ii) International Centre for Automotive Technology (ICAT).</p> <p><b>3. Manufacturers Association:</b></p> <p>i) Society of Indian Automobiles Manufactures (SIAM).  ii) Tractors Manufacturers Association (TMA)  iii) Automotive Component Manufactures Association of India (ACMA).  iv) Indian Tire Technical Advisory Committee (ITTAC)</p> </div>
Indonesia	Appoint representatives from Indonesia as Government Official, supported by Industry delegates (GAIKINDO/AISI/GIAMM).
Japan	Ministry of Land, Infrastructure, Transport and Tourism(MLIT) and Japan Automobile Standards Internationalization Center(JASIC)
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	
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Cambodia	
China	
Hong Kong	---
India	<p>Government of India is examining the advantages and obligations of the agreement. Task of aligning our national standards with ECE regulations is taken on priority. India welcomes the thinking and talks in the recent meetings of WP .29 to review the 1958 Agreement and bring about reforms/changes with a view to make it more attractive and acceptable to the emerging economies. India is willing and prepared to engage fruitfully with Partners in shaping the contours of such an agreement</p>
Indonesia	<p>Non-Contracting Party  <b>We plan to join 58 Agreement only.</b>  *Post-participation problems:  <b>There are no any guidelines from Top Management Authority.</b>  *Problem/issue resolution measures:  <b>IASIF prepares comprehensive papers</b></p>
Japan	<p>Contracting Party:  *Post-participation problems:  When a ECE regulation was introduced in Japan, it had been reflected to the domestic regulations after translated into Japanese. This process made the work for amending the domestic regulations longer and cumbersome and therefore, it was difficult to response timely to the amendments to the ECE regulations established at the WP29 three times a year.  *Problem/issue resolution measures:  The process for amending the domestic regulations was improved in 2006, in which the technical requirements in the ECE regulations are directly referred to in the domestic regulations. This change in the process saves time and efforts for the work for amending the domestic regulations and enables us to response to incorporation of the amendments to the ECE regulations in a timely manner.</p>
Korea	
Laos	
Malaysia	<p>Contracting Party: Signatory for both agreements  *Post-participation problems:  Recognition of Technical Service  *Problem/issue resolution measures:  Recognition procedure/requirements is still under study</p>
Myanmar	<p>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.</p>

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	India is not a signatory to 1958 Agreement. However, the country's national standards are partially and technically aligned with more than 78 % of corresponding ECE regulations.		
Indonesia	Under study proposal of 19 UNECE regulations from ASEAN MRA (APWG).		
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
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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	India's national law restricts other country regulations to be referred in national regulatory framework. However, the country's national standards are partially and technically aligned with more than 78 % of corresponding ECE regulations.

Indonesia	Refer to UNECE Regulations.					
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	Using the relevant UNECE regulation as equivalent					
Vietnam		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	<p>In India, systems and processes for according Vehicle Type Approval is already well established.</p>
Indonesia	Approximately 2014
Japan	<p>Vehicle Type Approval system (VTA) has been already established in Japan.</p> <p>In Japan, there is the governmental system which gives “certification” as the proof of conformity of vehicles with the technical requirements regarding the safety and environment of motor vehicles.</p> <p>This system can be separated into two groups according to motor vehicles themselves and their components for its own.</p> <p>At first, the system in which the motor vehicles themselves are given certificates is called “Vehicle Type Approval System”.</p> <p>Secondly, there is the certification called “Type Approval System for Devices” to improve the safety for the components of automobile like headlights or tires.</p> <p>In fact, when Japan became the first non-European country to join the 1958 Agreement on the mutual recognition of approvals in 1998, this Type Approval System for Devices was newly introduced to utilize the harmonization of vehicle regulations and mutual recognition of approvals under the 1958 Agreement.</p>

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	<a href="#">Already have a vehicle type approval system.</a>
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	<a href="#">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.</a>
India	Not being a signatory to 1958 Agreement at the moment, India is not under any obligation to adopt or set a schedule for adopting ECE regulations. However, the country’s national standards are partially and technically aligned with more than 78 % of corresponding ECE regulations
Indonesia	<a href="#">Automotive sector is not mandatory in year 2015 based on ASEAN Economic Community Scorecard.</a>
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	<a href="#">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.</a>
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	Through harmonization of our national standards with ECE regulations to the extent possible. The requirements of unique standards will always be there in view of the country's unique driving cycle and environment.
Indonesia	Promoting Drafting of National Standard Documents based on UNECE Regulations, however should consider deference parameters for testing between Tropical and sub-tropical countries and also undoliasion of road characteristic pattern. Will be explained more details at Panel Dicusssion II
Japan	It should be considered that the international system which aims to minimize unique subject of each country, for example, notification of technically rational explanation and concrete contents of unique subjects to the countries adopting IWVTA.
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	Introducing notification in line with UNECE regulations as many as possible.
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	No plans as of now.
Indonesia	2012: Under discussion in IASIF 2013: Under discussion in IASIF 2014: Under discussion in IASIF
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	-Nil-
Indonesia	1. Continuing Technical Assistance Support. 2. Propose to increase budget for any kind of meeting. 3. Benchmarking on World Class technical Services.
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	After mandatory implementation by AEC Scorecard and agreed in submit leader.
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	Mid 2012
Vietnam	Follow ASEAN road map
Chinese Taipei	

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

ASEAN	
Brunei	
Cambodia	
China	
Hong Kong	
India	
Indonesia	<ol style="list-style-type: none"> <li>1. IASIF will make more details examination for MRA impact on Industry.</li> <li>2. Promoting common application documents for certification based on UNECE.</li> <li>3. Mapping Technical Services capability.</li> <li>4. Priority Adoption of UNECE Regulations based on the readiness existing Technical Services</li> </ol>
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	To support ASEAN automotive product
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	Yes, we have road map as IASIF's road map
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	<b>There are no any guidelines from Top Management Authority.</b>
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



ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technique 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									Adopted
94	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A FRONTAL COLLISION									Adopted
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION									Adopted
98	GAS-DISCHARGE HEADLAMPS									Adopted
99	GAS-DISCHARGE LIGHT SOURCES									
100	BATTERY ELECTRIC VEHICLES									Adopted
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)									
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)									Adopted
116	PROTECTION AGAINST UNAUTHORIZED USE									Adopted
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS	x			2016(provisional)	undecided	undecided	MLIT	NTSEL	
119	CORNERING LAMPS									Adopted
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS									
123	ADAPTIVE FRONT-LIGHTING SYSTEMS									Adopted
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	Technicle Services	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(year)			
89	SPEED LIMITATION DEVICES									
91	SIDE-MARKER LAMPS									
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION									Adopted
98	GAS-DISCHARGE HEADLAMPS									Adopted
99	GAS-DISCHARGE LIGHT SOURCES									
100	BATTERY ELECTRIC VEHICLES									Adopted
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)									
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)									Adopted
116	PROTECTION AGAINST UNAUTHORIZED USE									Adopted
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS	x			2016(provisional)	undecided	undecided	MLIT	NTSEL	
119	CORNERING LAMPS									Adopted
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS									
123	ADAPTIVE FRONT-LIGHTING SYSTEMS									Adopted

**"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 L(Motorcycle) for vehicle type approval

Country :JAPAN

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

EC E 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									Adopted
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS									
9	NOISE (THREE-WHEELED VEHICLES)									
10	ELECTROMAGNETIC COMPATIBILITY									Adopted
28	AUDIBLE WARNING DEVICES									Adopted
37	FILAMENT LAMPS									
39	SPEEDOMETER									Adopted
40	EXHAUST EMISSION (MOTOR CYCLE)									
41	NOISE (MOTOR CYCLE)	x			2013(provisional)	undecided	undecided	MLIT	NTSEL	
46	REAR-VIEW MIRRORS									
47	EXHAUST EMISSION (MOPED)									
50	LIGHTS (MOPED, MOTOR CYCLE)	x			2012(provisional)	undecided	undecided	MLIT	NTSEL	
53	INSTALLATION OF LIGHTS (MOTOR CYCLE)	x			2012(provisional)	undecided	undecided	MLIT	NTSEL	
60	DRIVER OPERATED CONTROLS (MOPED, MOTOR CYCLE)	x			2015(provisional)	undecided	undecided	MLIT	NTSEL	
62	PROTECTION AGAINST UNAUTHORIZED USE (MOTOR CYCLE)									Adopted
63	NOISE (MOPED)									
74	INSTALLATION OF LIGHTS (MOPED)									
75	PNEUMATIC TYRES (MOPED, MOTOR CYCLE)									Adopted
78	BRAKING (CATEGORY L)									Adopted
81	REAR-VIEW MIRRORS (MOTOR CYCLE)									Adopted
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)									Adopted
113	HEADLAMPS (WITH A SYMMETRICAL PASSING BEAM)	x			2012(provisional)	undecided	undecided	MLIT	NTSEL	

**“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**

# 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						

**“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 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						

**“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

Economy : Malaysia

#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		

**“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 N1(Light duty track) for vehicle type approval

## Economy : Malaysia

#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					
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 : Malaysia

#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”.**

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

Economy : Singapore

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

LTA : Land Transport Authority of Singapore  
NEA : National Environment Agency of Singapore

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					LTA		
4	REAR REGISTRATION PLATE LAMPS		X					LTA		
6	DIRECTION INDICATORS		X					LTA		
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS		X					LTA		
10	ELECTROMAGNETIC COMPATIBILITY		X					LTA		
11	DOOR LATCHES & HINGES		X					LTA		
13H	BRAKING (M1,N1)		X					LTA		
14	SAFETY BELT ANCHORAGES		X	X				LTA		See footnote
16	SAFETY BELTS		X	X				LTA		See footnote
17	SEATS		X					LTA		
19	FRONT FOG LAMPS		X	X				LTA		ECE R19 is referred in the Road Traffic (Motor Vehicles, Lighting)
21	INTERIOR FITTINGS		X					LTA		
23	REVERSING LAMPS		X					LTA		
26	EXTERNAL PROJECTIONS		X					LTA		
28	AUDIBLE WARNING DEVICES		X					LTA		
30	PNEUMATIC TYRES (PASSENGER VEHICLE)		X					LTA		
34	PREVENTION OF FIRE RISKS		X					LTA		
37	FILAMENT LAMPS		X					LTA		
38	REAR FOG LAMPS		X	X				LTA		ECE R38 is referred in the Road Traffic (Motor Vehicles, Lighting)
39	SPEEDOMETER		X					LTA		
43	SAFETY GLAZING MATERIALS			X				LTA		See footnote
44	CHILD RESTRAINT SYSTEMS		X	X				TPD		ECE R44 is referred in the Road Traffic (Motor Vehicles, Wearing of Seat Belts) Rules
45	HEADLAMPS CLEANERS		X					LTA		
46	REAR-VIEW MIRRORS		X					LTA		
48	INSTALLATION OF LIGHTS		X	X				LTA		ECE R48 is referred in the Road Traffic (Motor Vehicles, Lighting)
51	NOISE		X					NEA		See footnote
55	MECHANICAL COUPLING		X					LTA		
64	TEMPORARY-USE SPARE WHEELS/TYRES		X					LTA		
77	PARKING LAMPS		X					LTA		
79	STEERING EQUIPMENT		X					LTA		
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS		X					NEA		See footnote

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					LTA		
89	SPEED LIMITATION DEVICES		X					TPD		
91	SIDE-MARKER LAMPS		X					LTA		
94	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A FRONTAL COLLISION		X					LTA		
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION		X					LTA		
98	GAS-DISCHARGE HEADLAMPS		X					LTA		
99	GAS-DISCHARGE LIGHT SOURCES		X					LTA		
100	BATTERY ELECTRIC VEHICLES		X					LTA		
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)		X	X				NEA		ECE R101 is referred in the Environmental Protection and Management (Energy Conservation) Regulations
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		X					LTA		
116	PROTECTION AGAINST UNAUTHORIZED USE		X					LTA		
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS		X					LTA		
119	CORNERING LAMPS		X					LTA		
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS		X					LTA		
123	ADAPTIVE FRONT-LIGHTING SYSTEMS		X					LTA		
125	THE FORWARD FIELD OF VISION		X					LTA		

"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."

**Note:**

All vehicles to be type-approved for registration in Singapore must comply with the technical requirements set out in the Road Traffic Act and its subsidiary legislation. The Land Transport Authority of Singapore (LTA) require motor dealers or agents to submit relevant documents or information certified by the vehicle manufacturers to support their claims of standards that their vehicles and vehicle components are in compliance with. Currently, we require vehicle manufacturers or competent testing bodies to certify the component compliance standards that are applicable for the class of vehicle.

**Footnote:**

- R14 The Road Traffic (Motor Vehicles, Seat Belt) Rules have been amended to require motor vehicles registered on or after 1 Apr 2009 to be equipped with seat belt anchorages that comply with UNECE Regulation 14, or other specifications that the LTA may approve from time to time.
- R16 The Road Traffic (Motor Vehicles, Seat Belt) Rules have been amended to require motor vehicles registered on or after 1 Apr 2009 to be equipped with safety belts that comply with UNECE Regulation 16 or other specifications that the LTA may approve from time to time.
- R43 We require front windscreen and windows to have minimum 70% light transmittance across the transparent area. Other safety glazing in the vehicle must have at least 25% light transmittance across the transparent area. The front windscreen must not have any effect of preventing, obstructing or interfering with the transmission signals between an in-vehicle unit (IU) installed in vehicles and any Electronic Road Pricing (ERP) facility. Vehicles with metallic oxide front windscreens must have a sterile area at the lower right corner of the windscreen to enable the successful transmission of signals between the IU installed in that location and the ERP facility.
- R51 Singapore's existing noise emission standard is adopted from the Japanese registration standards for both new and in-use motor vehicles. The National Environment Agency of Singapore (NEA) requires all motor vehicles registered for use on the roads on or after 1 Oct 2010 to comply with EC or Japanese standards. Vehicles tested under the UNECE Regulation 51 will also be accepted.
- R83 EC Directive 96/69/EC [Euro II] for petrol-driven vehicles since Jan 2001. Also accept vehicles that are tested under the R83.03 test cycle if it meets the emission limits stipulated under the EC Directive. EC Directive 98/69/EC-B(2005) for diesel-driven passenger cars and light duty vehicles with maximum laden weight (MLW) of 3,500 kg or less, and EC Directive 1999/96/EC-B1(2005) for diesel-driven heavy vehicles with MLW of more than 3,500 kg [Euro IV] since Oct 2006. Also accept vehicles that are tested under the R83.05 test cycle if it meets the emission limits stipulated under the respective EC Directives.

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

Economy : Singapore

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

LTA : Land Transport Authority of Singapore  
NEA : National Environment Agency of Singapore

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					LTA		
4	REAR REGISTRATION PLATE LAMPS		X					LTA		
6	DIRECTION INDICATORS		X					LTA		
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS		X					LTA		
10	ELECTROMAGNETIC COMPATIBILITY		X					LTA		
11	DOOR LATCHES & HINGES		X					LTA		
13	BRAKING (N, M2, M3, O)		X					LTA		
13H	BRAKING (M1,N1)		X					LTA		
14	SAFETY BELT ANCHORAGES		X	X				LTA		See footnote
16	SAFETY BELTS		X	X				LTA		See footnote
17	SEATS		X					LTA		
19	FRONT FOG LAMPS		X	X				LTA		ECE R19 is referred in the Road Traffic (Motor Vehicles, Lighting) Rules
21	INTERIOR FITTINGS		X					LTA		
23	REVERSING LAMPS		X					LTA		
28	AUDIBLE WARNING DEVICES		X					LTA		
34	PREVENTION OF FIRE RISKS		X					LTA		
37	FILAMENT LAMPS		X					LTA		
38	REAR FOG LAMPS		X	X				LTA		ECE R38 is referred in the Road Traffic (Motor Vehicles, Lighting) Rules
39	SPEEDOMETER		X					LTA		
43	SAFETY GLAZING MATERIALS			X				LTA		See footnote
44	CHILD RESTRAINT SYSTEMS		X	X				TPD		ECE R44 is referred in the Road Traffic (Motor Vehicles, Wearing of Seat Belts) Rules
45	HEADLAMPS CLEANERS		X					LTA		
46	REAR-VIEW MIRRORS		X					LTA		
48	INSTALLATION OF LIGHTS		X	X				LTA		ECE R48 is referred in the Road Traffic (Motor Vehicles, Lighting) Rules
51	NOISE		X					NEA		See footnote
54	PNEUMATIC TYRES (COMMERCIAL VEHICLE)		X					LTA		
61	EXTERNAL PROJECTIONS (COMMERCIAL VEHICLE)		X					LTA		
77	PARKING LAMPS		X					LTA		
79	STEERING EQUIPMENT		X					LTA		
83	THE EMISSION OF POLLUTANTS ACCORDING TO ENGINE FUEL REQUIREMENTS		X					NEA		See footnote
85	MEASUREMENT OF ENGINE POWER		X					LTA		

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					LTA		
91	SIDE-MARKER LAMPS		X					LTA		
95	PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION		X					LTA		
98	GAS-DISCHARGE HEADLAMPS		X					LTA		
99	GAS-DISCHARGE LIGHT SOURCES		X					LTA		
100	BATTERY ELECTRIC VEHICLES		X					LTA		
101	EMISSION OF CARBON DIOXIDE AND FUEL CONSUMPTION (PASSENGER CAR)		X	X				LTA		ECE R101 is referred in the Environmental Protection and Management (Energy Conservation) Regulations
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		X					LTA		
116	PROTECTION AGAINST UNAUTHORIZED USE		X					LTA		
117	THE APPROVAL OF TYRES WITH REGARD TO ROLLING SOUND EMISSIONS		X					LTA		
119	CORNERING LAMPS		X					LTA		
121	THE LOCATION AND IDENTIFICATION OF HAND CONTROLS, TELL-TALES AND INDICATORS		X					LTA		
123	ADAPTIVE FRONT-LIGHTING SYSTEMS		X					LTA		

**"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".**

**Note:**

**All vehicles to be type-approved for registration in Singapore must comply with the technical requirements set out in the Road Traffic Act and its subsidiary legislation. The Land Transport Authority of Singapore (LTA) require motor dealers or agents to submit relevant documents or information certified by the vehicle manufacturers to support their claims of standards that their vehicles and vehicle components are in compliance with. Currently, we require vehicle manufacturers or competent testing bodies to certify the component compliance standards that are applicable for the class of vehicle.**

**Footnote:**

- R14 The Road Traffic (Motor Vehicles, Seat Belt) Rules have been amended to require motor vehicles registered on or after 1 Apr 2009 to be equipped with seat belt anchorages that comply with UNECE Regulation 14, or other specifications that the LTA may approve from time to time.
- R16 The Road Traffic (Motor Vehicles, Seat Belt) Rules have been amended to require motor vehicles registered on or after 1 Apr 2009 to be equipped with safety belts that comply with UNECE Regulation 16 or other specifications that the LTA may approve from time to time.
- R43 We require front windscreen and windows to have minimum 70% light transmittance across the transparent area. Other safety glazing in the vehicle must have at least 25% light transmittance across the transparent area. The front windscreen must not have any effect of preventing, obstructing or interfering with the transmission signals between an in-vehicle unit (IU) installed in vehicles and any Electronic Road Pricing (ERP) facility. Vehicles with metallic oxide front windscreens must have a sterile area at the lower right corner of the windscreen to enable the successful transmission of signals between the IU installed in that location and the ERP facility.
- R49 Euro IV exhaust emission standard as specified in EC Directive 98/69/EC-B(2005) for passenger cars and light duty vehicles with maximum laden weight (MLW) of 3,500 kg or less, and EC Directive 99/96/EC-B1(2005) for heavy
- R51 Singapore's existing noise emission standard is adopted from the Japanese registration standards for both new and in-use motor vehicles.  
The National Environment Agency of Singapore (NEA) requires all motor vehicles registered for use on the roads on or after 1 Oct 2010 to comply with EC or Japanese standards. Vehicles tested under the UNECE Regulation 51 will
- R83 EC Directive 96/69/EC [Euro II] for petrol-driven vehicles since Jan 2001. Also accept vehicles that are tested under the R83.03 test cycle if it meets the emission limits stipulated under the EC Directive.  
EC Directive 98/69/EC-B(2005) for diesel-driven passenger cars and light duty vehicles with maximum laden weight (MLW) of 3,500 kg or less, and EC Directive 1999/96/EC-B1(2005) for diesel-driven heavy vehicles with MLW of more than 3,500 kg [Euro IV] since Oct 2006. Also accept vehicles that are tested under the R83.05 test cycle if it meets the emission limits stipulated under the respective EC Directives.

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

**Economy : Singapore**

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

LTA : Land Transport Authority of Singapore  
NEA : National Environment Agency of Singapore

EC E No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Technical Services	remark
		Adopt	Accept	Refer		for new type of	for new vehicle(year)			
3	REFLEX REFLECTORS		X					LTA		
7	FRONT AND REAR POSITION(SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS		X					LTA		
9	NOISE (THREE-WHEELED VEHICLES)									See ECE R41
10	ELECTROMAGNETIC COMPATIBILITY		X					LTA		
28	AUDIBLE WARNING DEVICES		X					LTA		
37	FILAMENT LAMPS		X					LTA		
39	SPEEDOMETER		X					LTA		
40	EXHAUST EMISSION (MOTOR CYCLE)		X					NEA		See footnote
41	NOISE (MOTOR CYCLE)		X					NEA		See footnote
46	REAR-VIEW MIRRORS		X					LTA		
47	EXHAUST EMISSION (MOPED)									Treated like motorcycles. See ECE R40
50	LIGHTS (MOPED, MOTOR CYCLE)		X					LTA		
53	INSTALLATION OF LIGHTS (MOTOR CYCLE)		X					LTA		
60	DRIVER OPERATED CONTROLS (MOPED, MOTOR CYCLE)		X					LTA		
62	PROTECTION AGAINST UNAUTHORIZED USE (MOTOR CYCLE)		X					LTA		
63	NOISE (MOPED)									Treated like motorcycles. See ECE R41
74	INSTALLATION OF LIGHTS (MOPED)									Treated like motorcycles. See ECE R53
75	PNEUMATIC TYRES (MOPED, MOTOR CYCLE)		X					LTA		
78	BRAKING (CATEGORY L)		X					LTA		
81	REAR-VIEW MIRRORS (MOTOR CYCLE)		X					LTA		
112	HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM)		X					LTA		
113	HEADLAMPS (WITH A SYMMETRICAL PASSING BEAM)		X					LTA		

"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."

## Note:

All vehicles to be type-approved for registration in Singapore must comply with the technical requirements set out in the Road Traffic Act and its subsidiary legislation. The Land Transport Authority of Singapore (LTA) require motor dealers or agents to submit relevant documents or information certified by the vehicle manufacturers to support their claims of standards that their vehicles and vehicle components are in compliance with. Currently, we require vehicle manufacturers or competent testing bodies to certify the component compliance standards that are applicable for the class of vehicle.

## Footnote:

R40 European Directive 97/24/EC. Also accept vehicles that are tested under the relevant UNECE test cycles if they meet the emission limits under the respective EC Directives.

R41 Singapore's existing noise emission standard is adopted from the Japanese registration standards for both new and in-use motor vehicles.

The National Environment Agency of Singapore (NEA) requires all motor vehicles registered for use on the roads on or after 1 Oct 2010 to comply with EC or Japanese standards. Vehicles tested under the UNECE Regulation 41 will also

# 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	gazeted in 2005 (Euro2)	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 2-3

ECE No.	Item	#Implementation/plan method			Implementation/plan date(year)	Effective date		Approval Authority	Techni cle Service s	remark
		Adopt	Accept	Refer		for new type of vehicle(year)	for new vehicle(y ear)			
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*

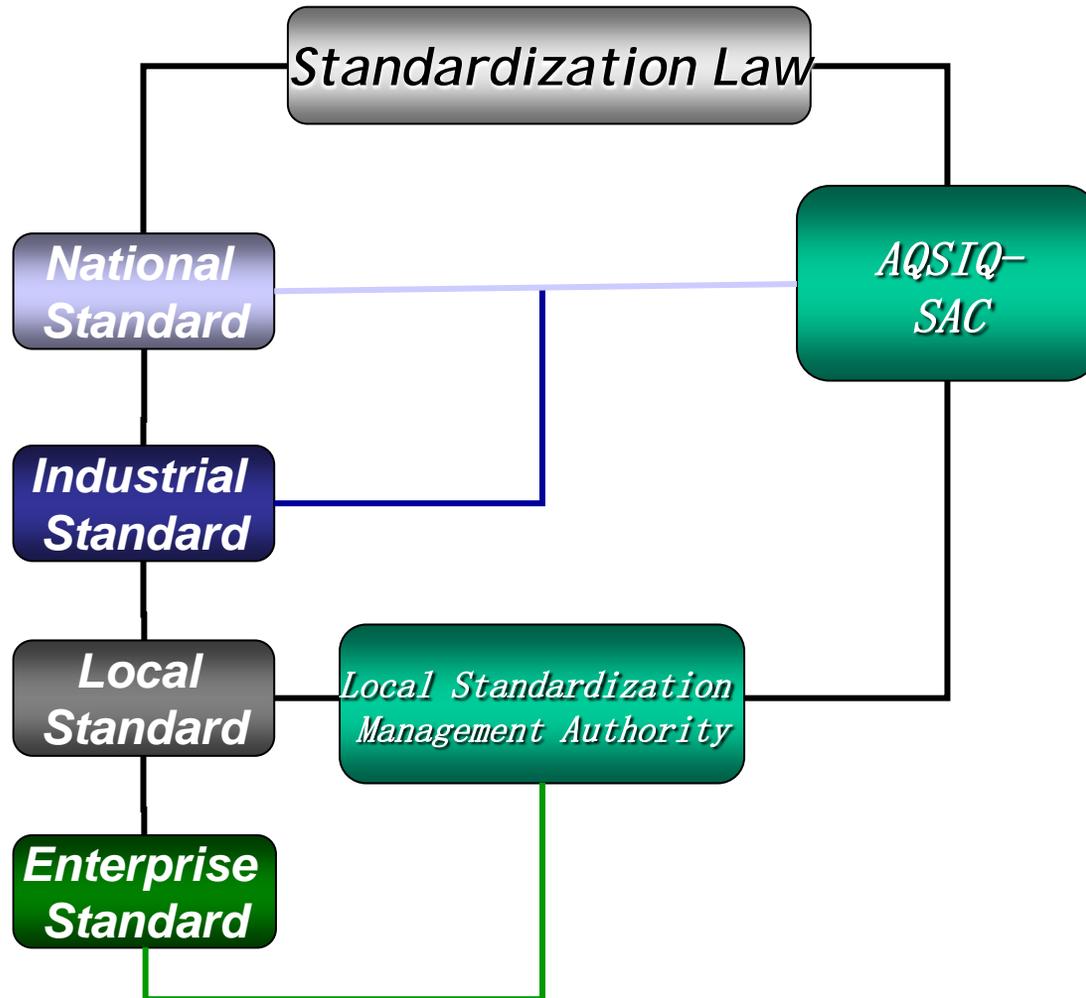
# ***AUTO STANDARDIZATION IN CHINA***

China Automotive Technology & Research  
Center

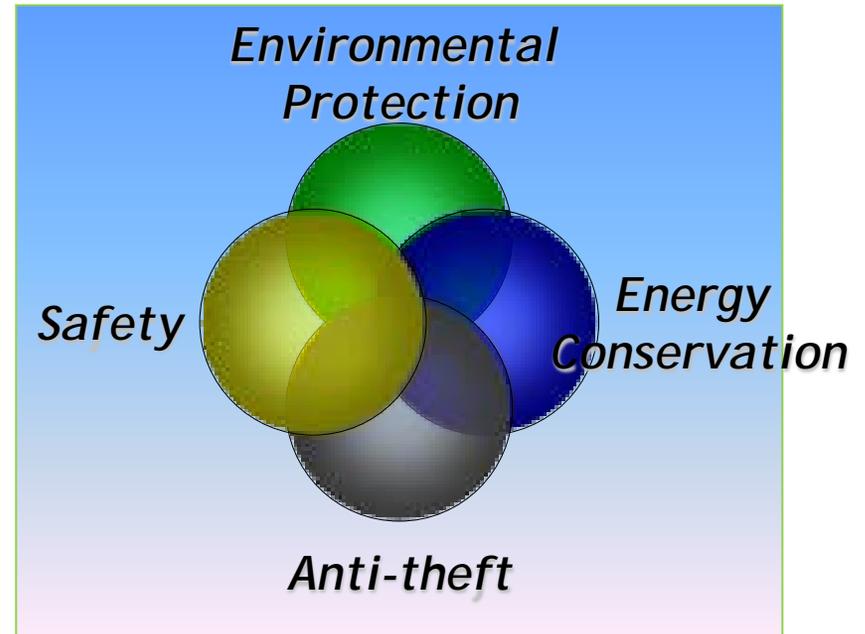
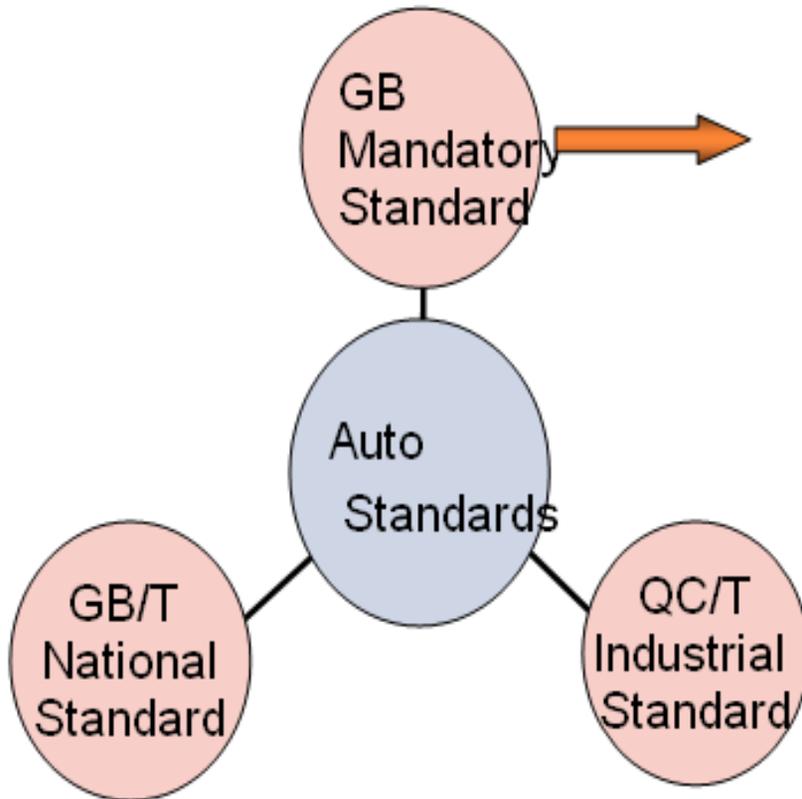
**Xuan Yi**



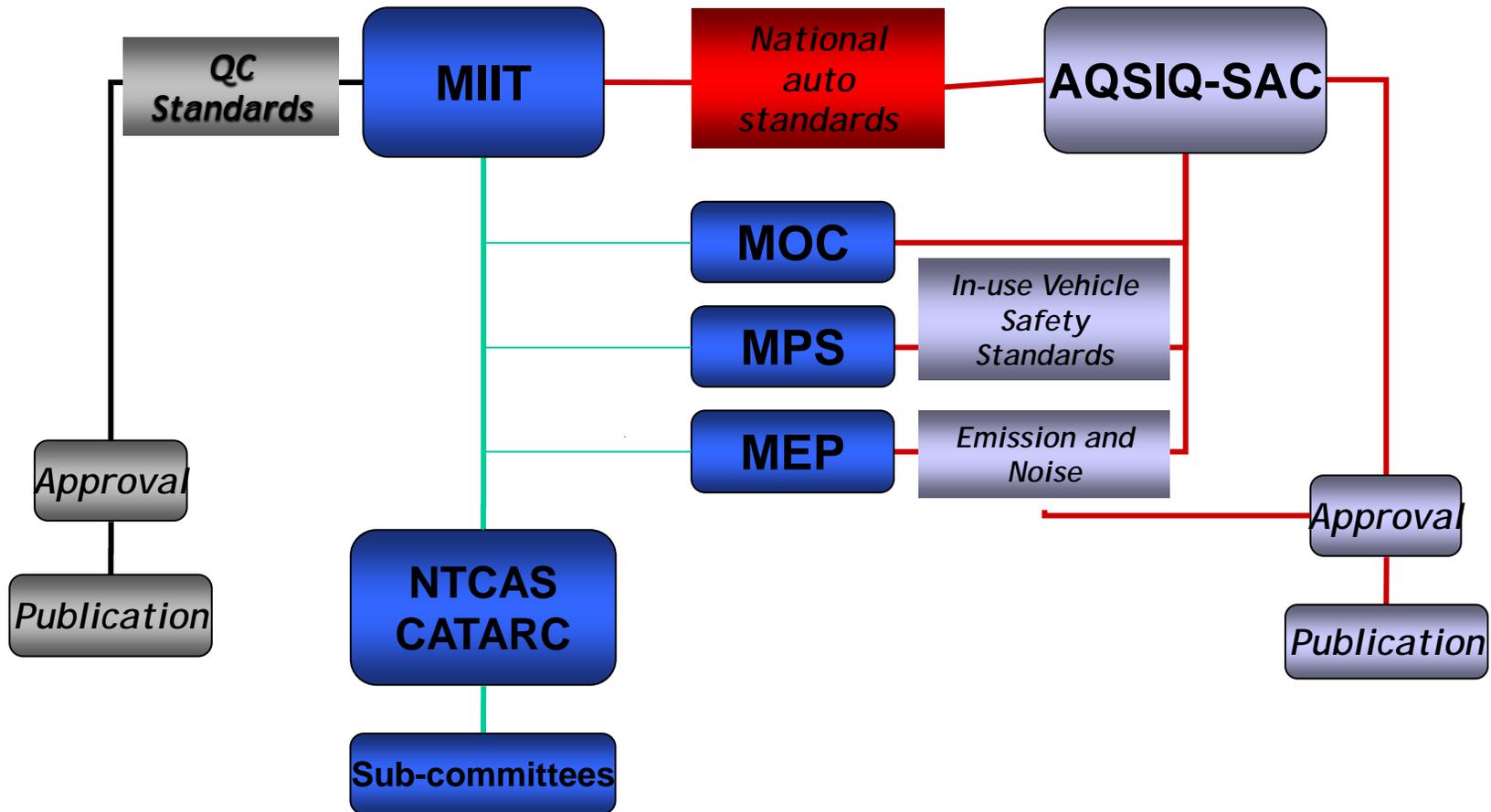
# *Standard System in China*



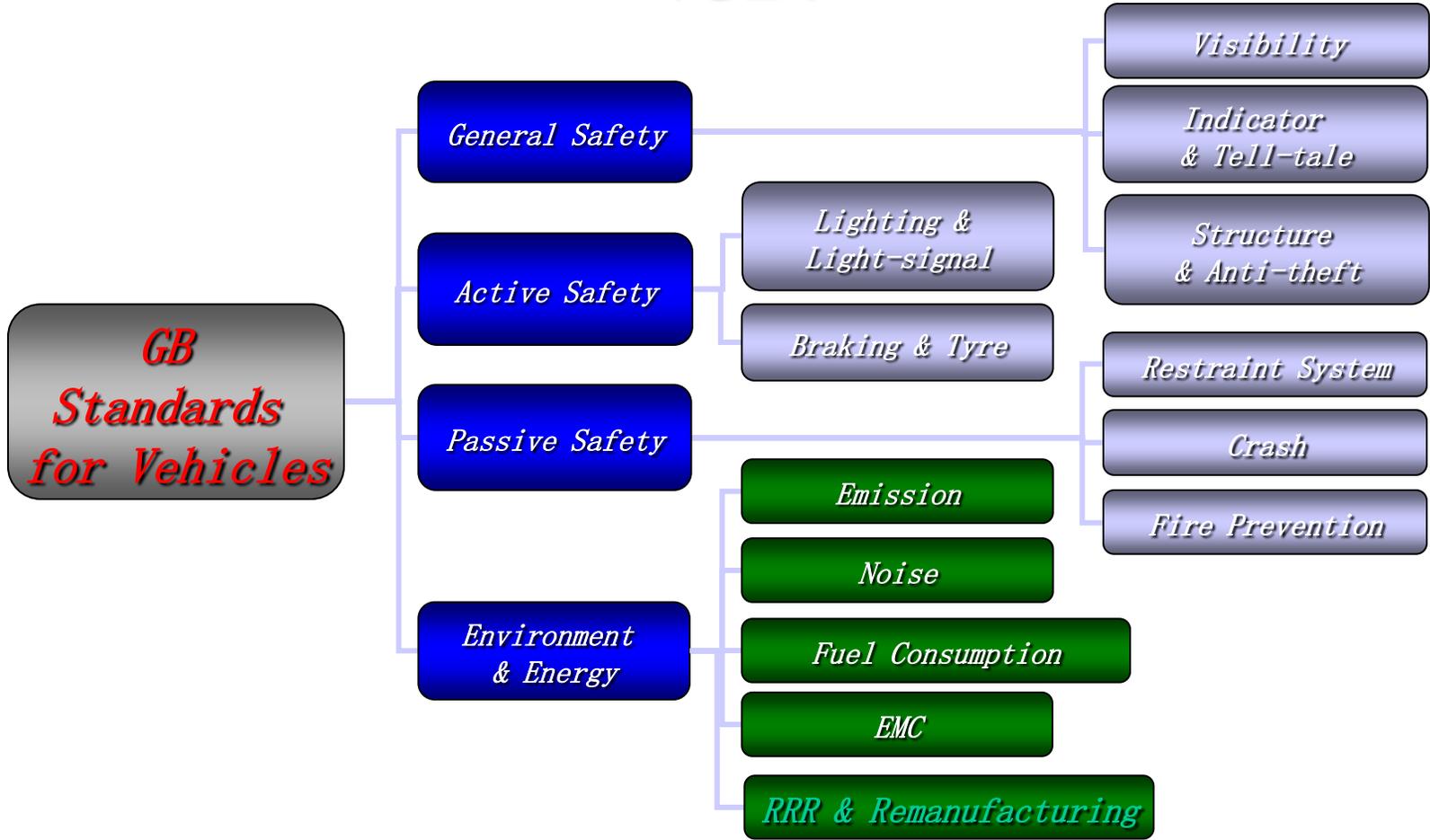
# Composition of Auto-related Standards



# 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!*



# **Type Approval & IWVTA : Industry Perspective**

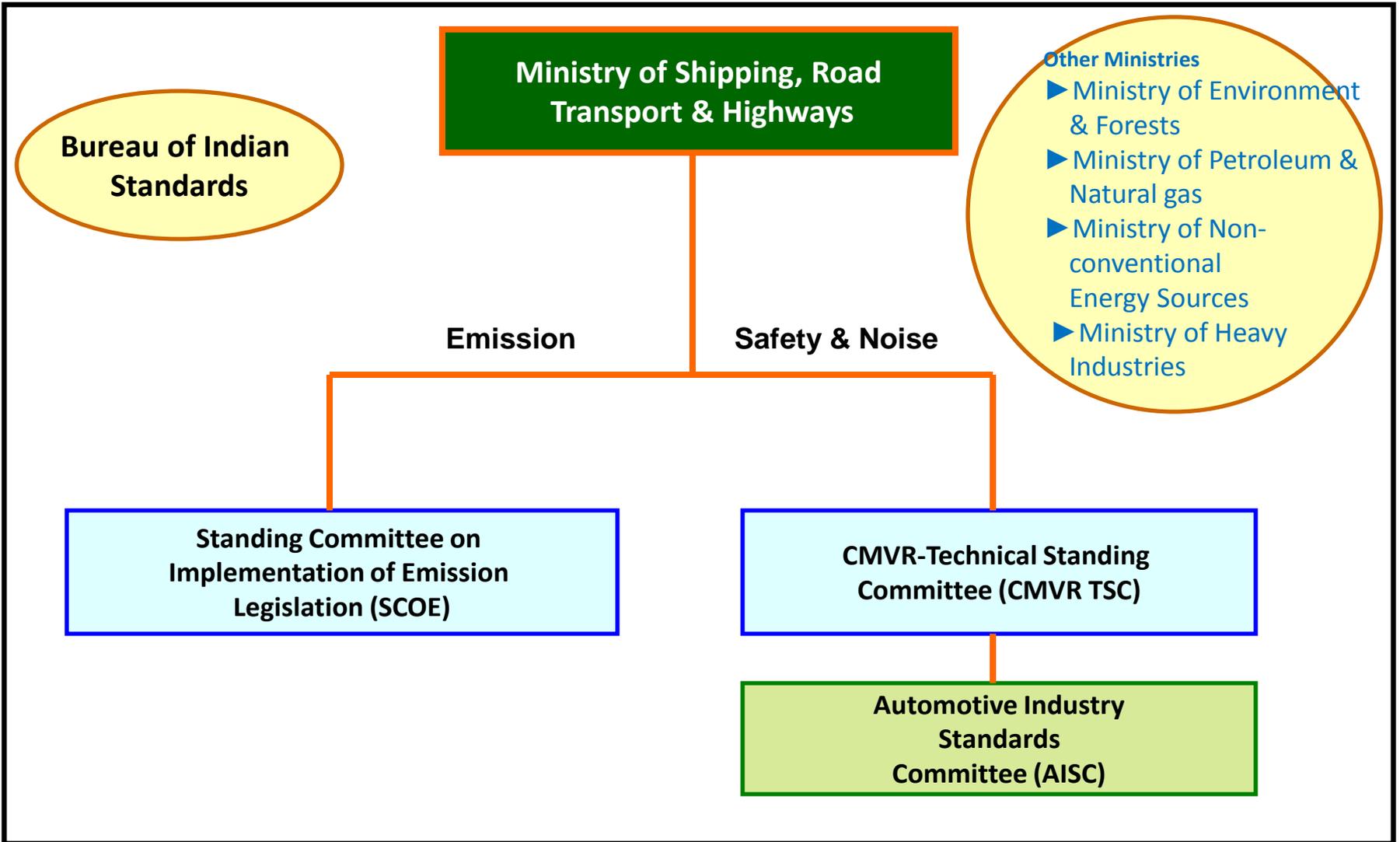
**Presentation at:**

**16<sup>th</sup> JASIC Asia G/I Meeting  
November 23<sup>rd</sup> - 24<sup>th</sup>., 2011 Jakarta**

**K.K. Gandhi  
Executive Director (Technical)  
Society of Indian Automobile Manufacturers, India**

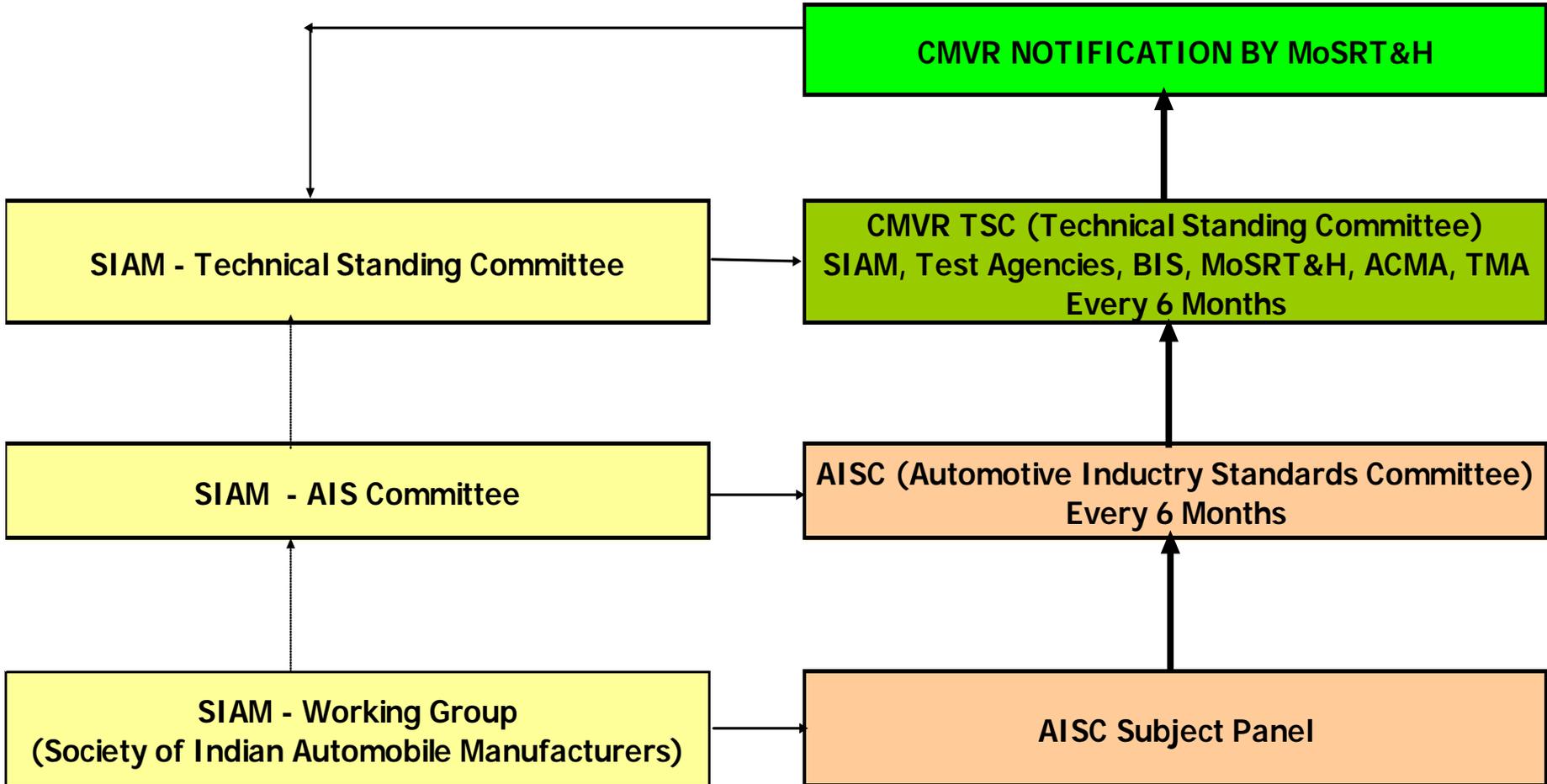
# **Regulatory Framework in India**

# Regulatory Framework

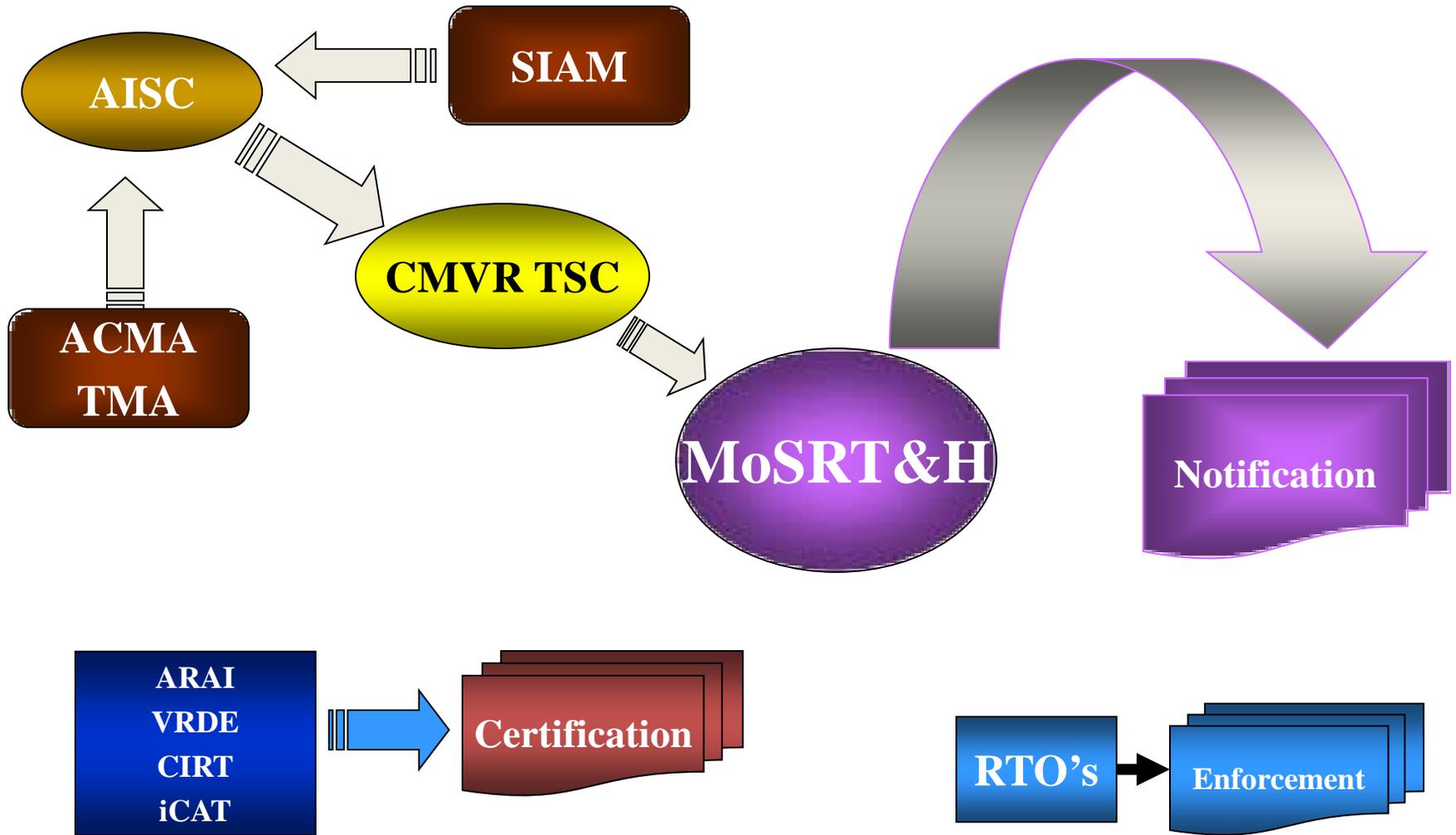


# **RULE MAKING PROCESS IN INDIA**

# REGULATION FORMULATION IN INDIA



# Adoption & Implementation of New Regulations



# **ECE ALIGNMENT STATUS**

## Harmonization of Indian Regulations with ECE

<b>Status of Indian Regulations</b>	
<b>Technically / Partially Aligned</b>	109
<b>Regulations to be covered</b>	17
<b>Total</b>	126

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

# SIAM views on IWVTA

- This is not a Type Approval procedure but a Type Approval Framework
- It is modular and therefore both Contracting Party & Regulation can be added.
- IWVTA is meaningless without Mutual Recognition – Burden without Benefits.
- Therefore need to look at the 1958 agreement
- It is suggested that in the 1st Step the common minimum number of ECE regulations be identified that the Contracting Party must adopt in order to qualify for IWVTA.
- A Global Marking System need to be developed hand in hand with IWVTA.

# 1958 Agreement : Some suggestions

- **Even though mutual recognition of approvals is binding on contracting parties applying an ECE regulation:**
  - **No laid down norms for certifying a test agency in 1958 agreement. Approval criteria for certifying agencies, therefore, could have differences in different countries**
- **Indian Law needs to be modified for mutual acceptance.**
  - **Deregulation of some India specific requirements may be needed.**
  - **Need for a centralized body in the country to co-ordinate & execute the activities needed for implementation of the 1958 agreement.**
- **Following points need to be addressed in the 1958 agreement to make it more acceptable:**
  - **If CPs approve non compliant part knowingly or unknowingly, Article 4 can be invoked only after the damage has happened.**
  - **A mechanism to detect & prevent entry of non-compliant parts needs to be developed.**
- **The voting pattern in the agreement is a matter of concern majority with one block**
- **Many times politics over rides technical correctness.**
- **Most meetings outside Asia making participation difficult.**



The Complete Automotive Show  
7-11 January 2012 • Pragati Maidan, New Delhi, India

[www.autoexpo.in](http://www.autoexpo.in)

*Thank*

*You*

Society of Indian Automobile Manufacturers

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# **INDONESIA VEHICLE TYPE APPROVAL SYSTEM DEVELOPMENT**

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

Jakarta, 23-24 November 2011

# STATUS OF VEHICLE TYPE APPROVAL LAW & REGULATION

## PREVIOUS VTA REGULATION.

- TRAFFIC LAW NO:  
14 YEAR 1990  
(GOVERNMENT +  
PARLIAMENT).
- GOVERNMENT  
REGULATION NO:  
44 YEAR 1993  
CONCERNING  
VEHICLE AND  
DRIVER.
- MINISTER DECREE  
NO: 9 YEAR 2004  
CONCERNING  
VEHICLE TYPE  
APPROVAL SYSTEM

## CURRENT VTA REGULATION.

- TRAFFIC LAW NO:  
22 YEAR 2009  
(GOVERNMENT +  
PARLIAMENT).
- GOVERNMENT  
REGULATION NO:  
44 YEAR 1993  
CONCERNING  
VEHICLE AND  
DRIVER.
- MINISTER DECREE  
NO: 9 YEAR 2004  
CONCERNING  
VEHICLE TYPE  
APPROVAL SYSTEM

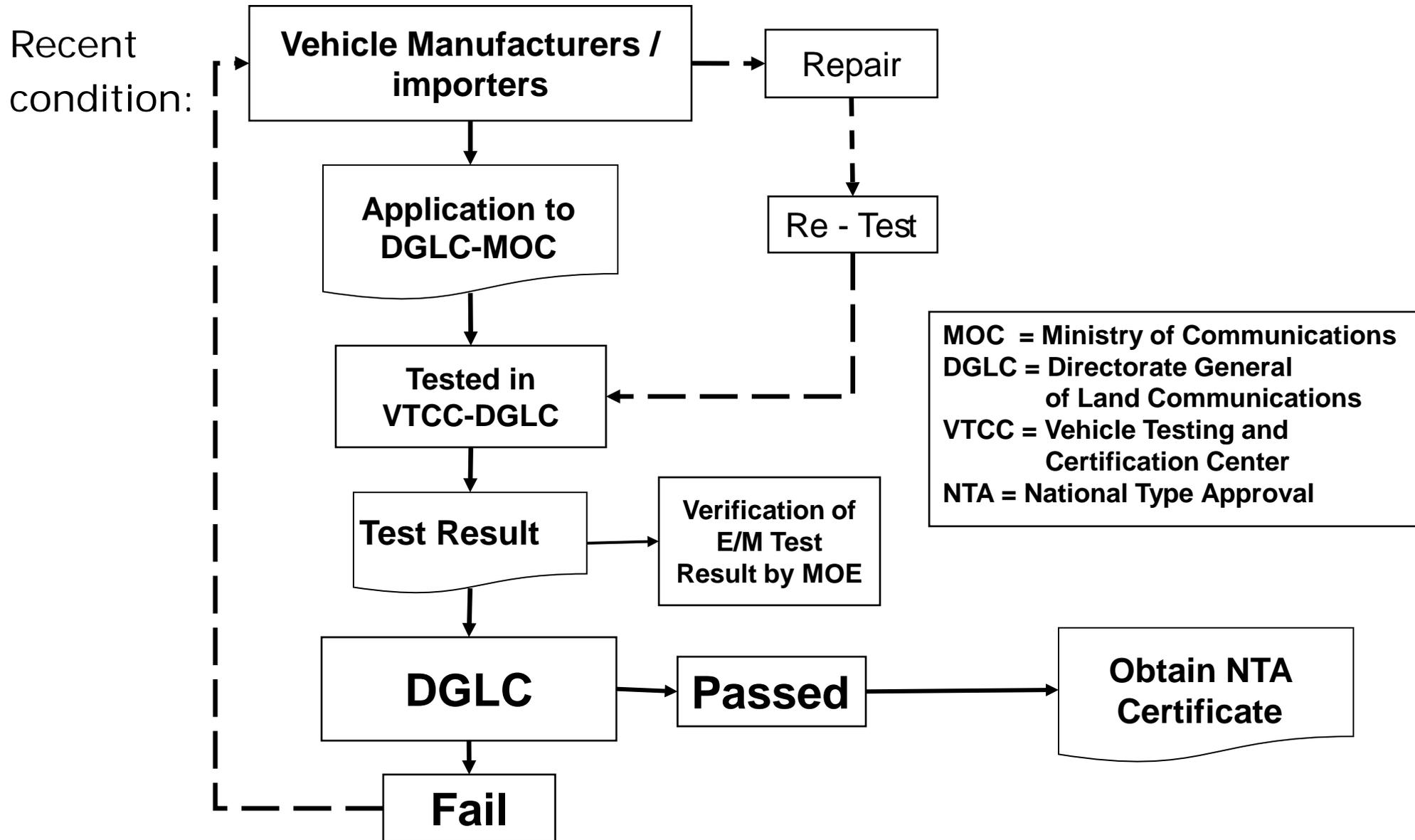
## FUTURE VTA REGULATION.

- TRAFFIC LAW NO:  
22 YEAR 2009  
(GOVERNMENT &  
PARLIAMENT).
- *DRAFT OF  
GOVERNMENT  
REGULATION  
CONCERNING  
VEHICLE.*
- *DRAFT OF  
MINISTER  
DECREE  
CONCERNING  
VEHICLE TYPE  
APPROVAL  
SYSTEM*

## FUTURE GOAL:

IWVTA  
(INTERNATIONAL  
WHOLE  
VEHICLE  
TYPE  
APPROVAL  
SYSTEM)

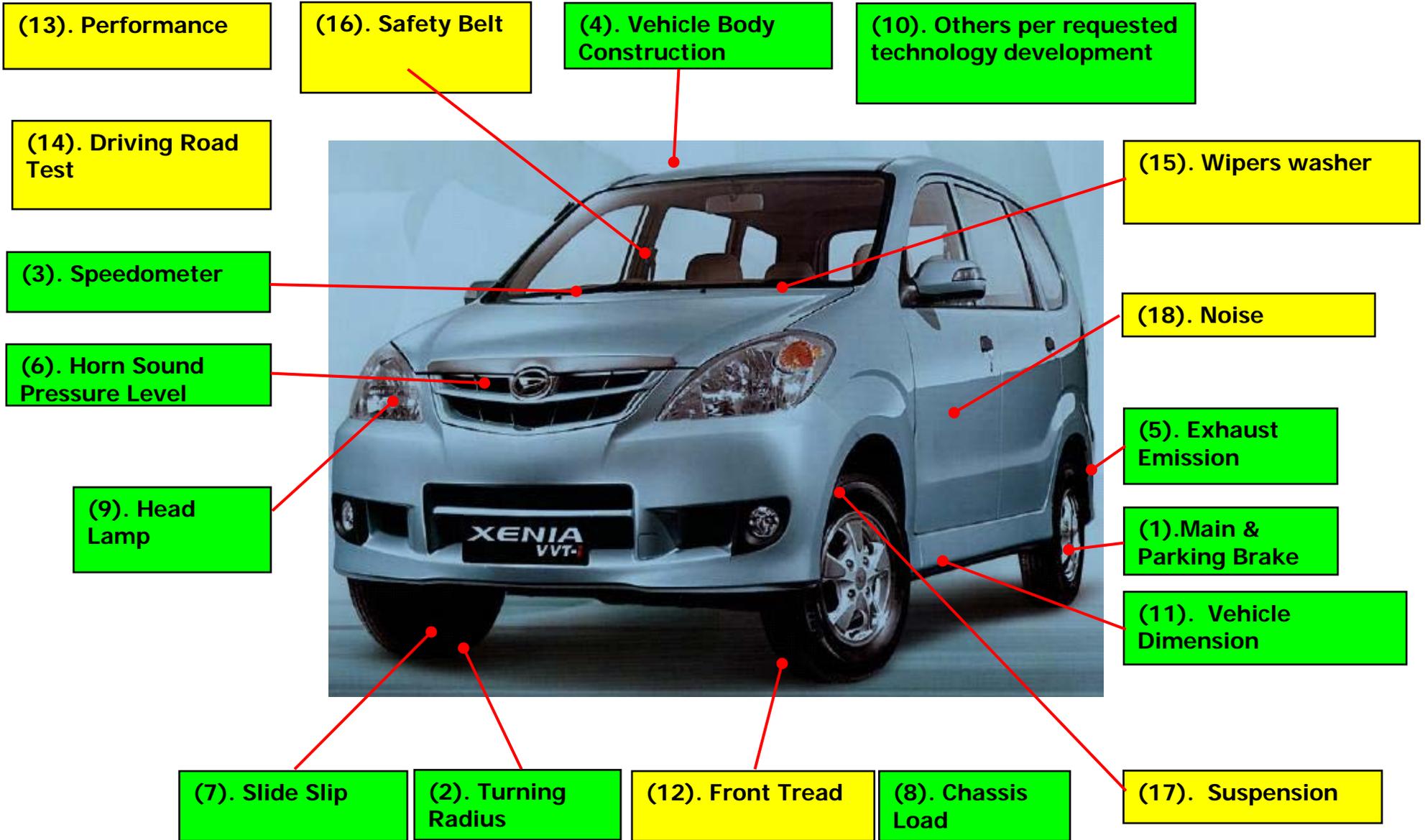
# FLOW PROCEDURE OF VEHICLE TYPE APPROVAL BASE ON MINISTER REGULATION NO: 9 YEAR 2004



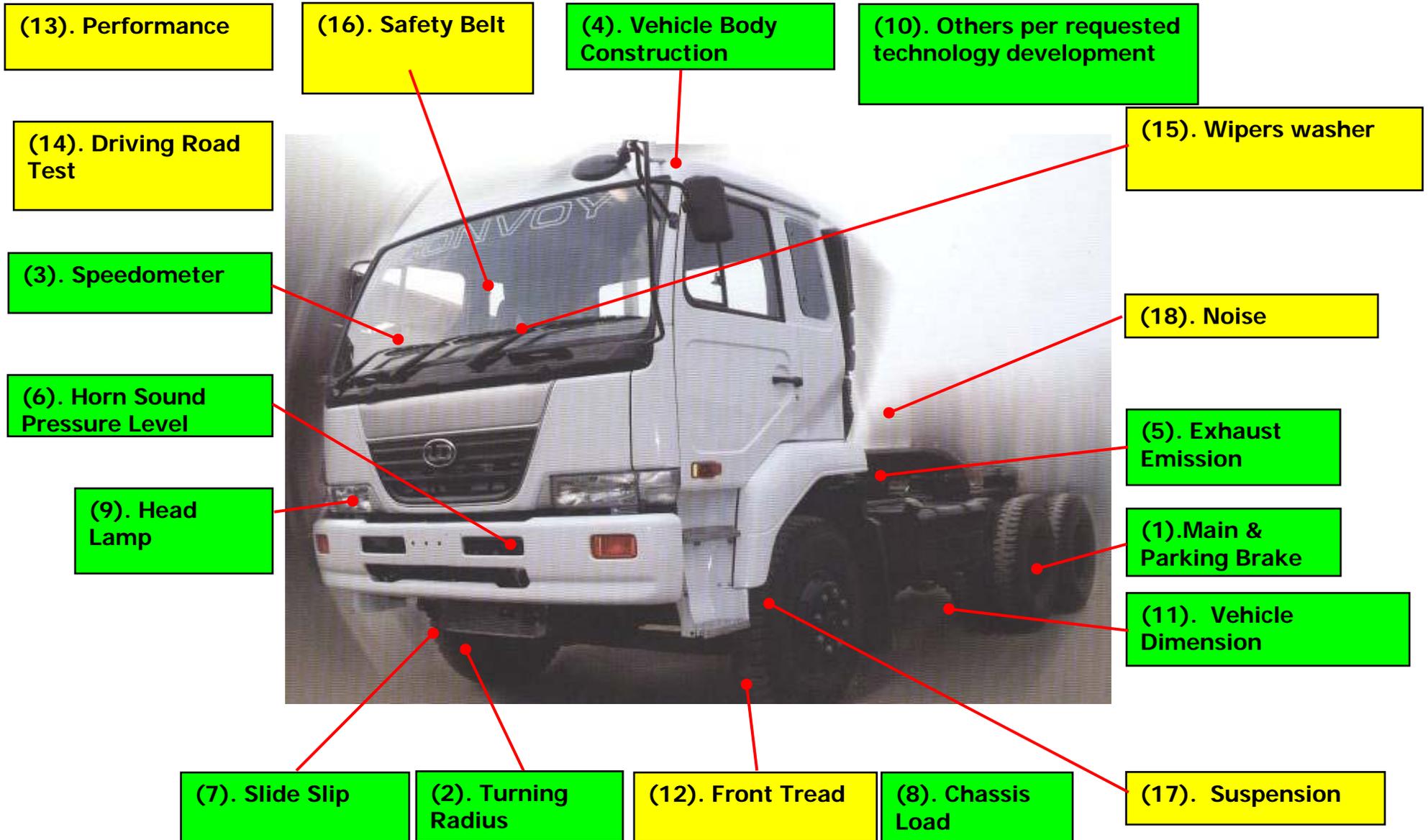
# MINISTER REGULATION NO: 9 YEAR 2004 CONCERNING VEHICLE TYPE APPROVAL SYSTEM

N O	DESCRIPTION	LOCATION	IMPLEMENTATION	REMARK
1	HEAD LIGHT TESTER	INDOOR	ECE STANDARD	OK
2	SPEEDOMETER TESTER	INDOOR	ECE R 39	CATEGORY M ONLY
3	SMOKE TESTER	INDOOR	ECE R 24	OK
4	CAR LIFT	INDOOR	DIN ISO 9001	UP TO 5500 KG
5	EMISION GAS ANALYSER	INDOOR	ISO 9141-2	OK
6	EMISION GAS ANALYSER	INDOOR	ECE R 83	CATEGORY M1 AND N1
7	PERFORMANCE	INDOOR	ECE R 85	OK
8	SUSPENSION TESTER	INDOOR	EUSAMA +	CATEGORY M ONLY
9	SOUND LEVEL METER	OUTDOOR	ECE R 28	OK
10	SIDESLIP TESTER	INDOOR	JAPAN STANDARD	OK
11	BRAKE TESTER	INDOOR	JAPAN STANDARD	OK
12	TURNING RADIUS	OUTDOOR	JAPAN STANDARD	OK
13	AXLE LOAD METER	INDOOR	ALL STANDARD	OK

# VEHICLE TEST REQUIREMENT BASE ON MINISTER DECREE NO: 9 YEAR 2004



# VEHICLE TEST REQUIREMENT BASE ON MINISTER DECREE NO: 9 YEAR 2004



**THANK YOU**



# Status of Japan's Activities for Harmonization of Vehicle Regulation

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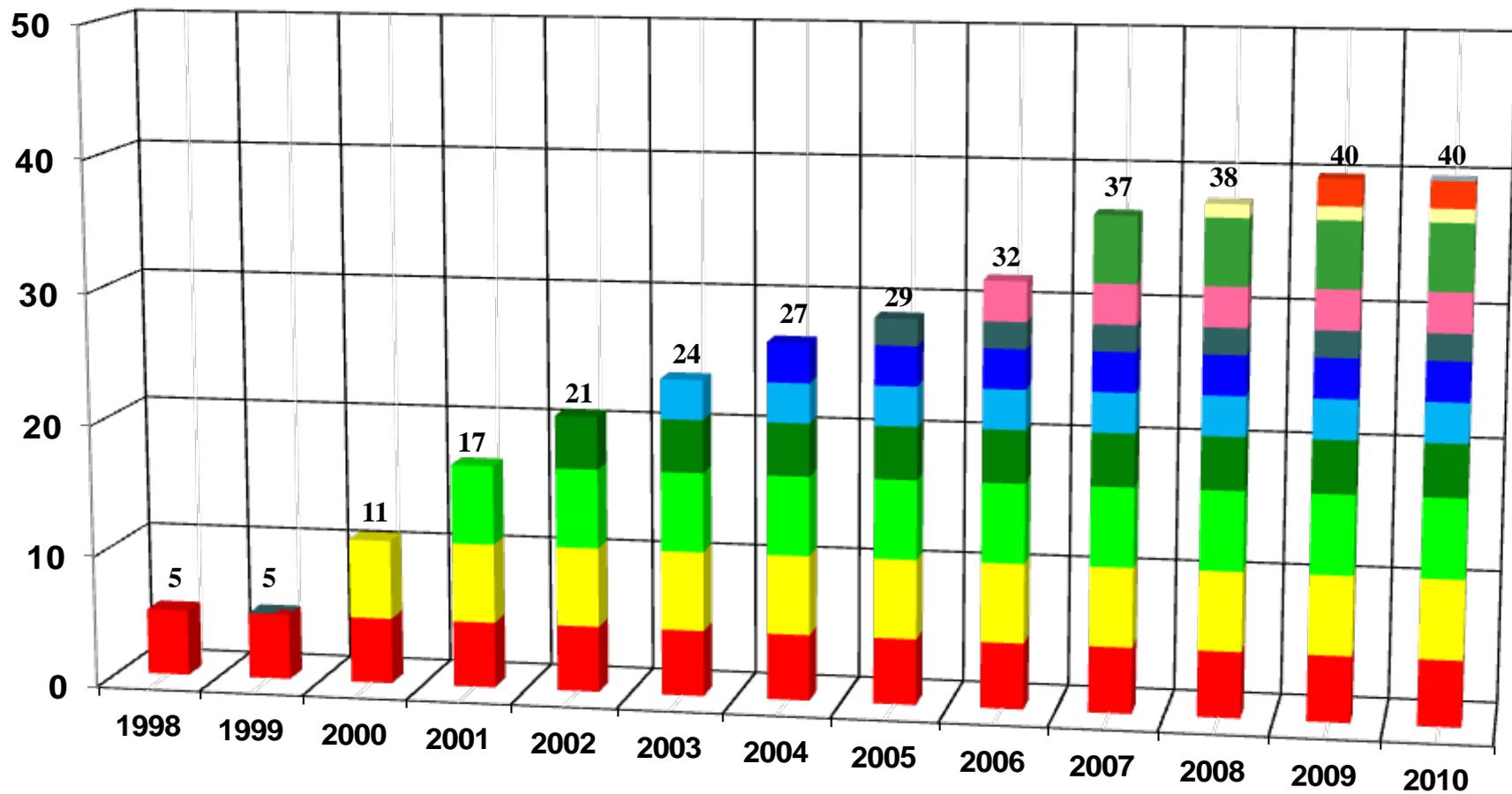
The 2<sup>nd</sup> Public and Private Joint Forum in Asian region  
23-25 November 2011

*Takashi OOTOMO*

*International Affairs Office*

*Engineering Policy Division, MLIT*

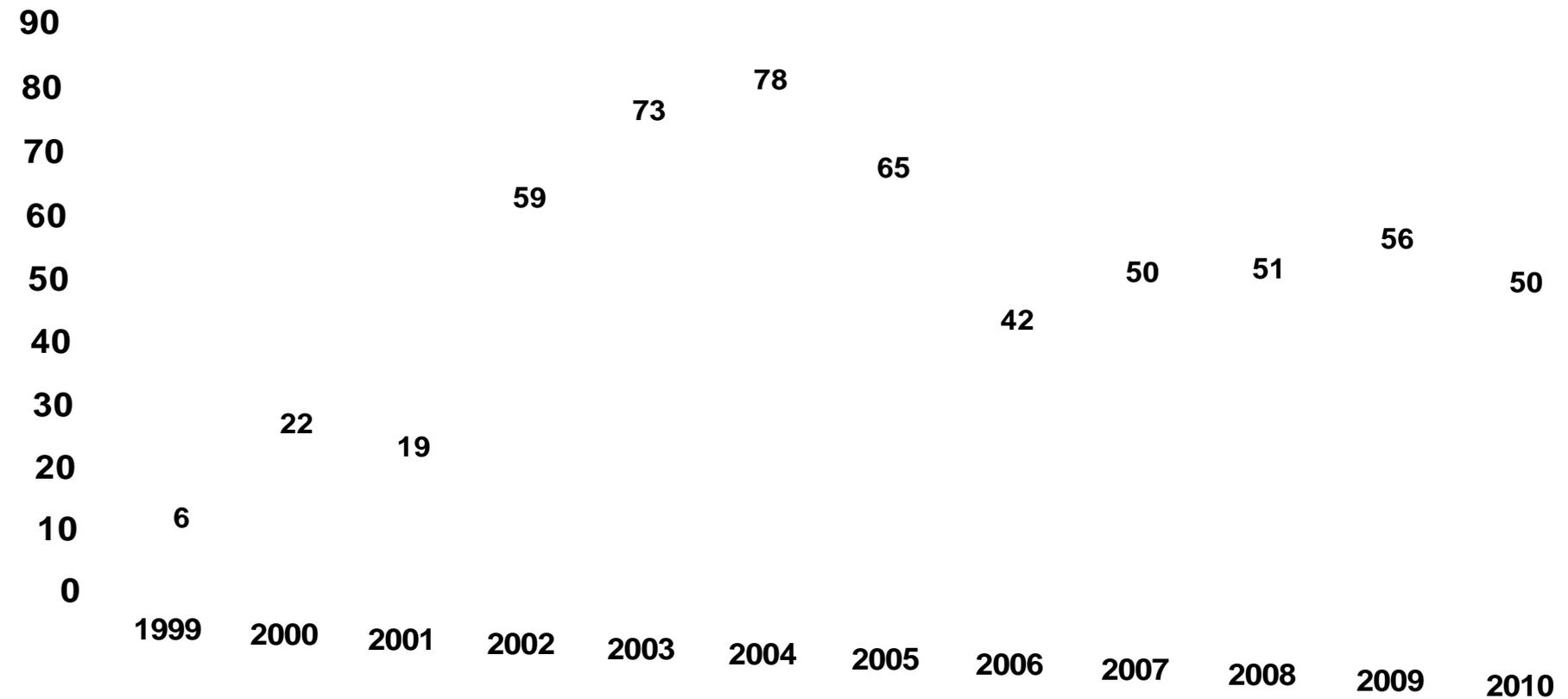




# Number of proposals to amend UN Regulations and provisions of technical information by Japan

- Japan has been proposing necessary amendments of UN Regulations in order to maintain the traffic safety level in Japan when adopting UN Regulations.

Number of proposals to amend UN Regulations and provisions of technical information by Japan



**Thank you for your attention!**



**MLIT**

# 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

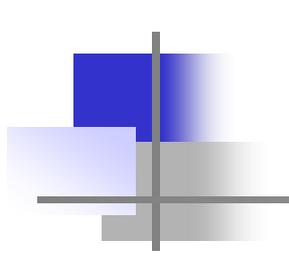
Year	Regulations
2011	<ul style="list-style-type: none"><li>- overrun braking system (R.13)</li><li>- Interior fitting(Windshield) (R.21)</li><li>- Coupling (R.55)</li><li>- Seat (R107)</li><li>- Cornering lamps(R.119)</li><li>- Retro-reflector(R.3,4)</li><li>- Fog lamps, Reversing lamps, Front &amp; 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



---

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  $\Rightarrow$  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 subtle variations in yellow and some green stems visible. The lighting is bright, suggesting a sunny day.

**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

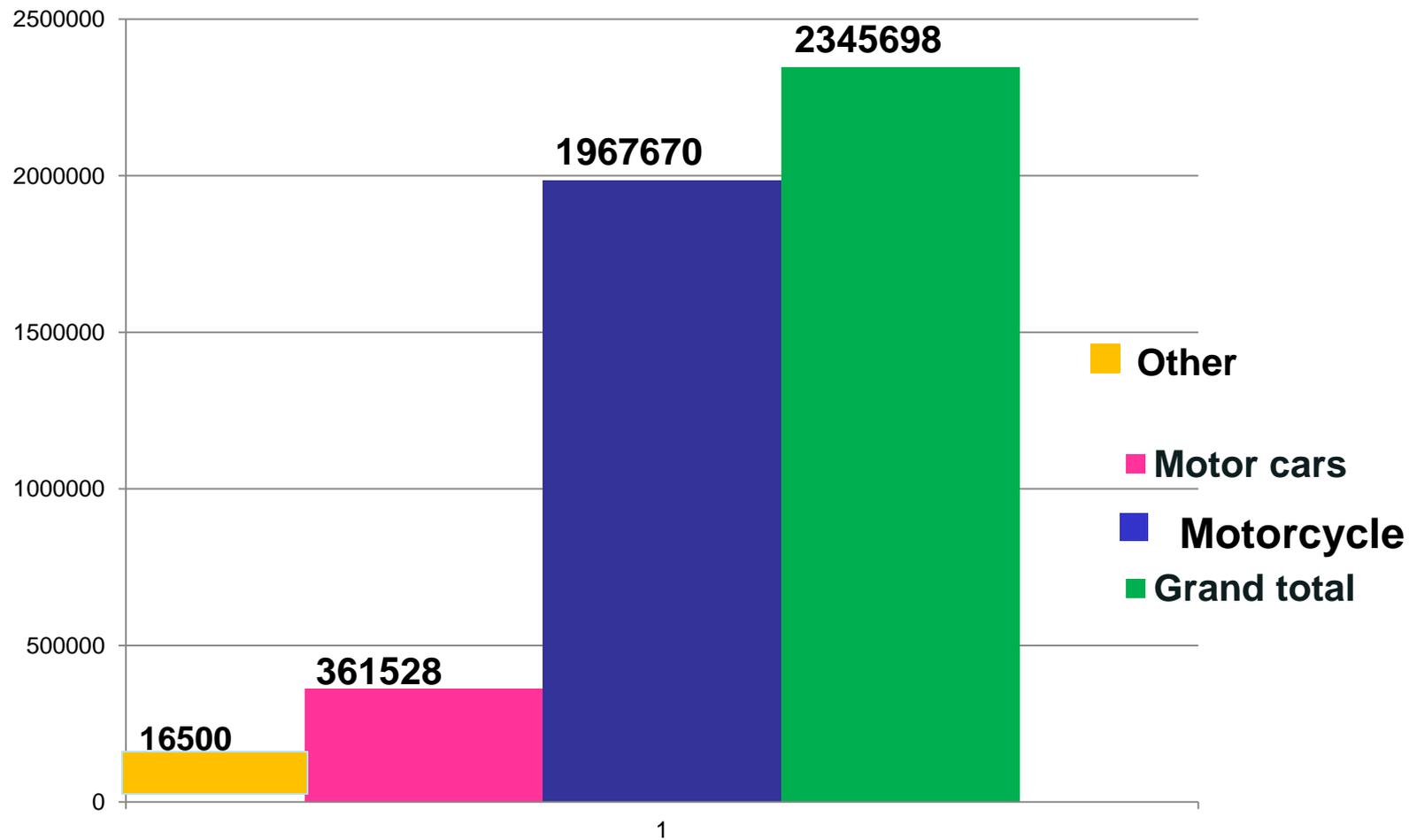
Road Transport  
Administration  
Department  
(RTAD)

Imported vehicles

**All Vehicles  
Register  
at  
RTAD**



# Total registered motor cars in Myanmar as of October 2011

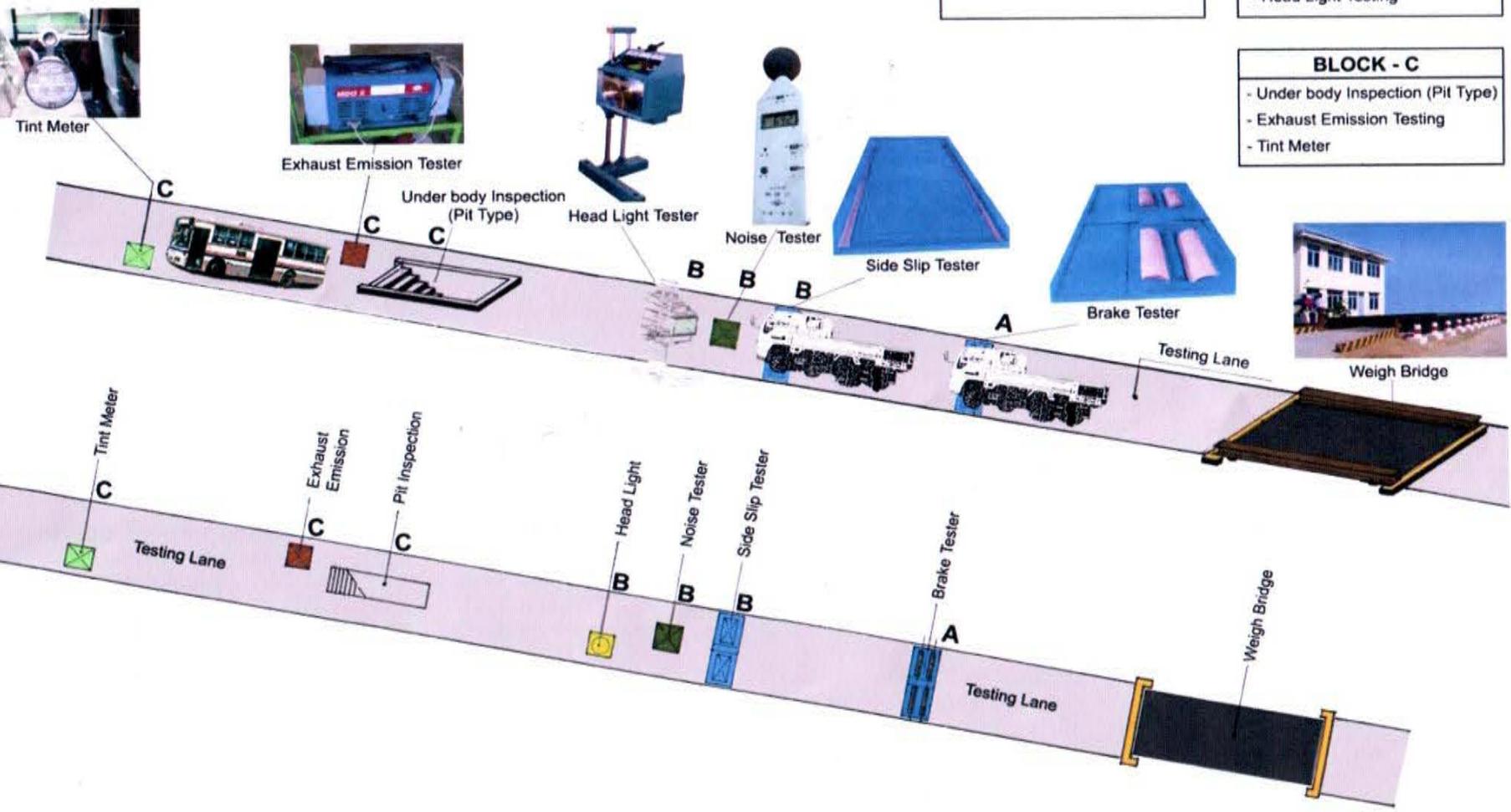


# MOTOR VEHICLE INSPECTION SYSTEM

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



Weigh Bridge

# 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**

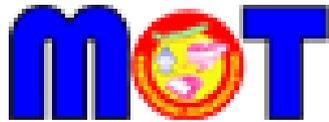
\***Component Type Approval** is a compliance of a product with specified standards/regulations (Malaysian Standards / UNECE Regulations).

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

# RESPONSIBLE MINISTRY

VEHICLE SAFETY & OTHERS

ENVIRONMENT



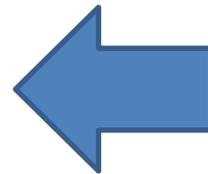
Ministry Of Transport



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)



	NO.	REGULATIONS
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

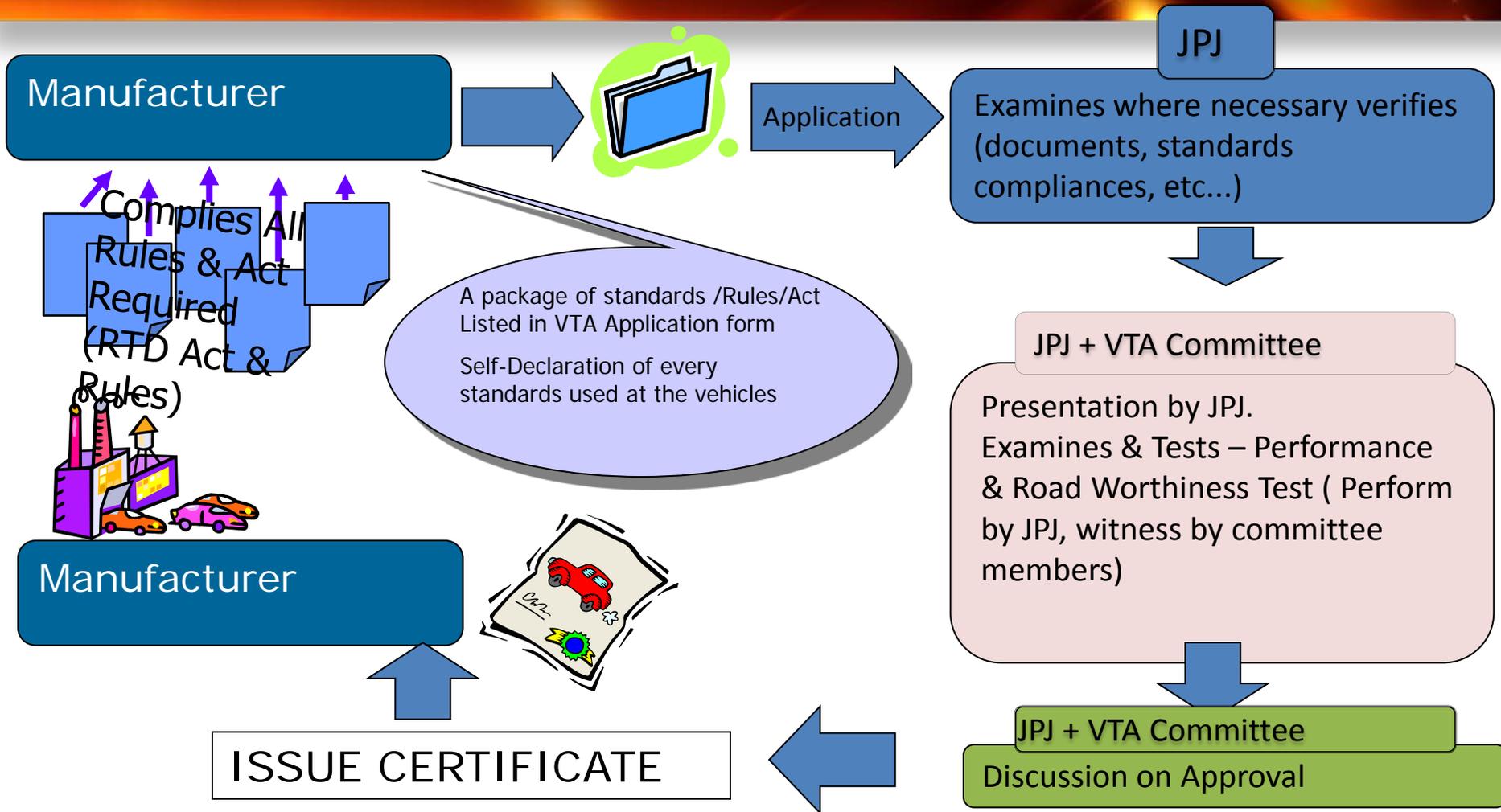
## PRIORITY TO GAZETTE (DOE)

	<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

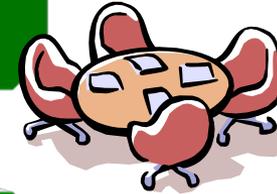


Min : 20 Working Days<sup>17s</sup>

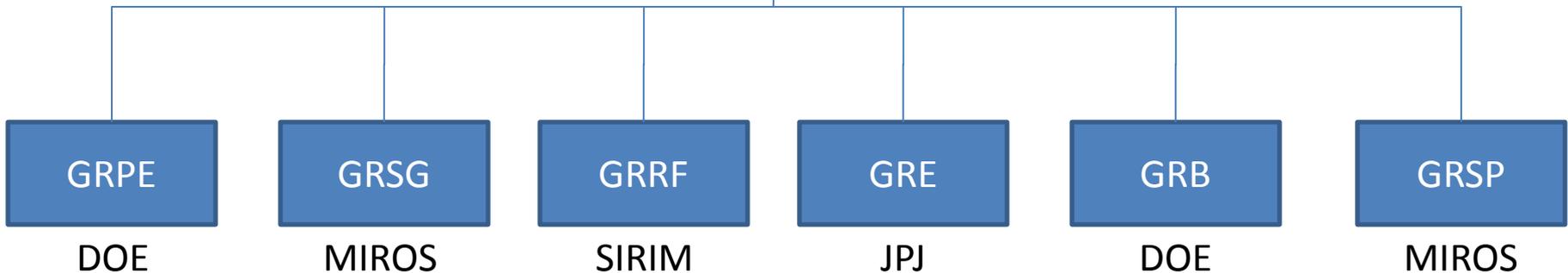
# COMMITTEE STRUCTURE IN MALAYSIA



**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

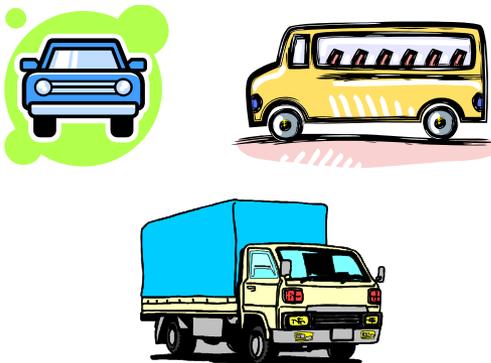
A

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 bertarikh 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 SULTAN 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

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

23 – 25 November 2011  
Jakarta, Indonesia

**Update by Singapore**

# Development of Tech Regulations

- Non-vehicle manufacturing country
- Adopt international safety standards such as UNECE Regulations and Japan Safety Regulations for road vehicles (JSRs)
- Progressively make direct reference to UNECE Regulations in the technical regulations
- Close consultation with motor dealers and other industry stakeholders before implementing new vehicle safety and environmental regulations

# Development of Tech Regulations

## Consultation

- Study overseas practices
- Consultation with industry stakeholders
  - feedback on proposed regulations
  - lead time required for compliance

## Finalisation

- Finalise implementation plan
- Obtain approval from the Ministry of Transport/Ministry of Environment and Water Resources
- Clear legislative amendments with the Attorney-General's Chambers
- Present to the Parliament

## Publication & Communications

- Publication of Gazette
- Media news release
- Upload information and FAQs on websites
  - [www.lta.gov.sg](http://www.lta.gov.sg)
  - [www.onemotoring.com.sg](http://www.onemotoring.com.sg)
  - [www.nea.gov.sg](http://www.nea.gov.sg)
- Circular to motor dealers
- Letters to affected vehicle owners

# Harmonization

- Adopt international standards and accept vehicles that comply with UNECE Regulations or JSRs for registration without subjecting them to additional tests
- Already market-friendly and does not impose technical barriers to trade on automotive products
- Participates regularly in APEC Vehicle Standards Harmonization Sub-group (VSHG) Meetings
- Member of the ASEAN Automotive Product Working Group (APWG) formed under the ASEAN Consultative Committee for Standards and Quality (ACCSQ)

# Adoption of UNECE Regulations

- Direct reference in technical regulations
  - R14 Seat belt anchorages
  - R16 Seat belts
  - R17 Seats, anchorages & head restraints
  - R19 Front fog lamps
  - R38 Rear fog lamps
  - R40 Exhaust emission (motorcycles)
  - R41 Noise emission (motorcycles)
  - R48 Lighting installation
  - R49 Exhaust emission (diesel vehicles)
  - R51 Noise emission (4-wheelers)
  - R58 Rear under-run protection
  - R73 Lateral protection
  - R80 Strength of seats & anchorages
  - R83 Exhaust emission (petrol vehicles)
  - R89 Speed limiters
  - R104 Retro-reflective markings
- Progressively make reference to more UNECE Regulations

# Accession to 1958 & 1998 Agreements

- Non-vehicle manufacturing country
- Already market-friendly
  - generally accept vehicles complying with UNECE Regulations without subjecting them to additional tests
- Consider signing the 1958 and 1998 Agreements
  - manpower and financial resources required to attend WP29 meetings to monitor new developments/amendments to UNECE Regulations

# 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, Nov 24<sup>th</sup>, 2011**

**Presented by Nguyen Dong Phong**



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

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**content**

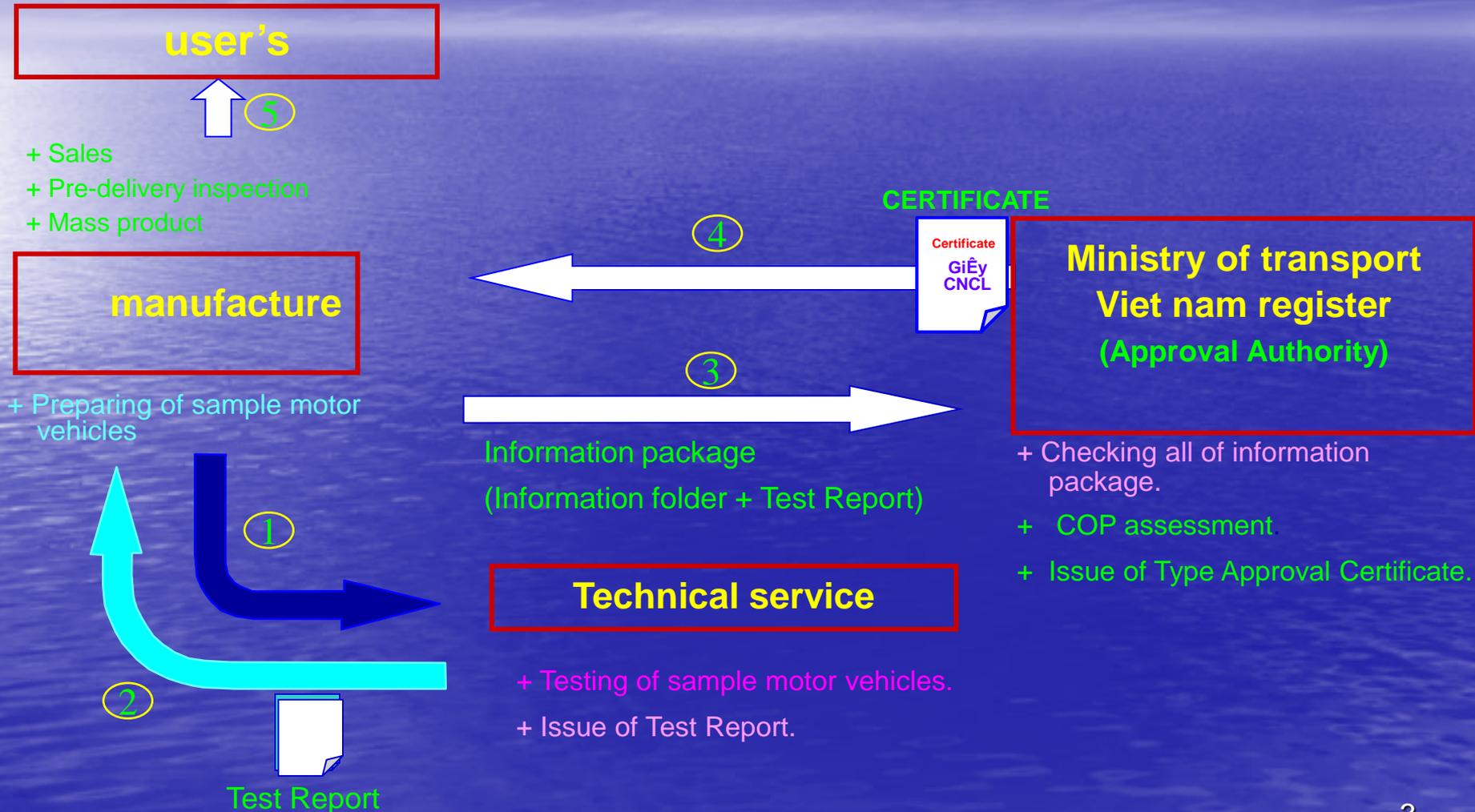
- **Outline of type approval system**
- **Vehicle Controlling system/procedure**
- **Technical service system**
- **Update of emission & fuel regulation**
- **Update of adoption of UNECE Rs**



# Ministry of Transport Vietnam register



the outline of type approval system for motor vehicles in vietnam



**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.

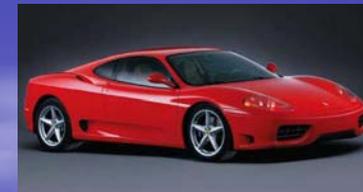
**Inspect ion  
stations  
(VR/LLT)**

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

**roadworthiness**



# Ministry of Transport Vietnam register



## the TeST LAB. SYSTEM FOR MOTOR VEHICLES

### IN VIETNAM

vr

Vietnam Motor Test Centre (vmtc)

vr

Emission Test Lab. (NETC)

vr

Proving Ground For Motor Vehicle

OTHERS (Approved by VR)

- Test Lab. of Manufacturers
- Test Lab. of Institutes

### outside vietnam

Test Lab of any Technical Services  
(Approved by VR)

Test Lab of Manufacturers/ or  
Institutes in other countries  
(Approved by VR)



## 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



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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><u>2011.10.28</u></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 )

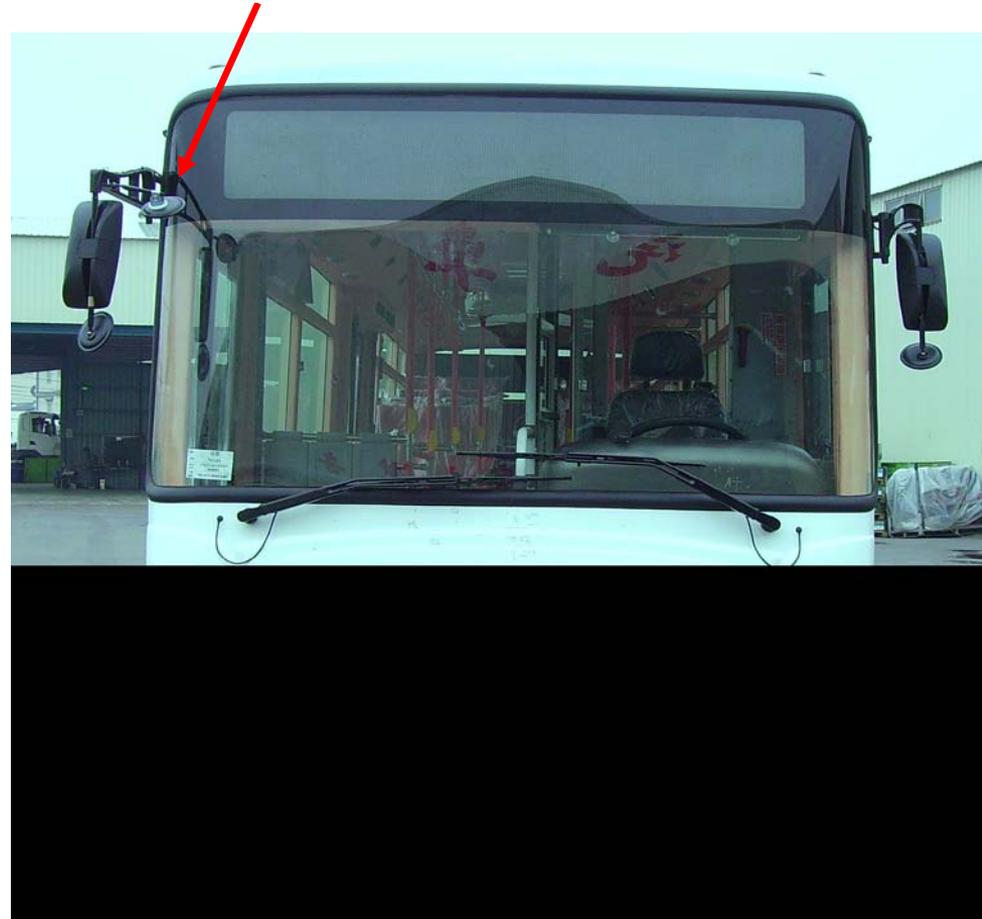
**Background:** The moped/motorcycle rider hit the mirrors of the vehicle in the crowded street.

**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





# 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),  
Mr. Mohammad Malawat (Indonesia),  
Ms. Jiraporn Kaewkraisorn (Thailand),  
Mr. Mohd Sharulnizam Bin Sarip (Malaysia),  
Ms. Virginia Torres (Philippines),  
Mr. Nguyen Dong Phong (Vietnam)

# **The 2nd Public and Private Joint Forum in Asian region**

**- The 16th JASIC ASIA GOVERNMENT/ INDUSTRY MEETING -**

**Date: Nov. 24, 2011**

## **Panel Discussion II**

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

# Purpose of the Panel discussion II

1. Reconfirmation for benefits of harmonization of international regulations and mutual recognition of type approval in ASEAN
2. As the next step of ASEAN MRA, consider to establish a system of mutual recognition of whole vehicle type approval including IWVTA

# Discussion point

## **1. Realizing harmonization of regulations and establishing MRA in the ASEAN region**

**1-1 Confirmation for situation of ASEAN MRA**

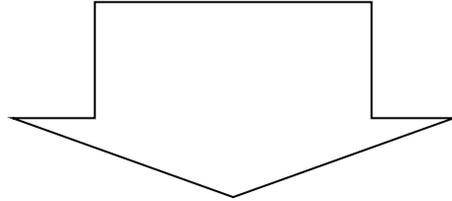
**1-2 Confirmation for current 1958 Agreement's MRA and its benefits**

## **2. Minimization of the unique subjects to promote the IWVTA concept under the UNECE framework**

**2-1 Necessity for Vehicle Type Approval in ASEAN**

**2-2 Establishment an IWVTA system**

## 1-1. Confirmation for situation of ASEAN MRA



(No participant from ASEAN Secretariat)

- Keynote speech 3 (Malaysian MOT as ASEAN Secretariat)
- Industries Report (GAIKINDO)

## **ASEAN MRA**

### **Mutual Recognition Arrangements (MRA) for Type Approval of Automotive Products in ASEAN**

by ACCSQ-APWG T/F

- The automotive sector is one of the priority sectors identified for integration in ASEAN with the aim of achieving ASEAN Economic Community by 2015
- The APWG has agreed on adopting UNECE Regulations for ASEAN in order for the automotive products to be sold globally.
- 19 UNECE Regulations have been agreed for harmonization by 2015.
- ASEAN MRA has taken into consideration the UNECE 1958 Agreement as the base criteria of recognition and procedures.

# Industries Report (GAIKINDO)

## <Consensus on the ASEAN MRA>

- The ASEAN product scope should not be categorized under “manufactured and marketed in ASEAN” but “marketed in ASEAN” only.
- With regards to different technical requirements among countries , latest UNECE regulations should be accepted as alternatives to national requirements.



# Benefits to promote MRA and Establish an IWVTA system

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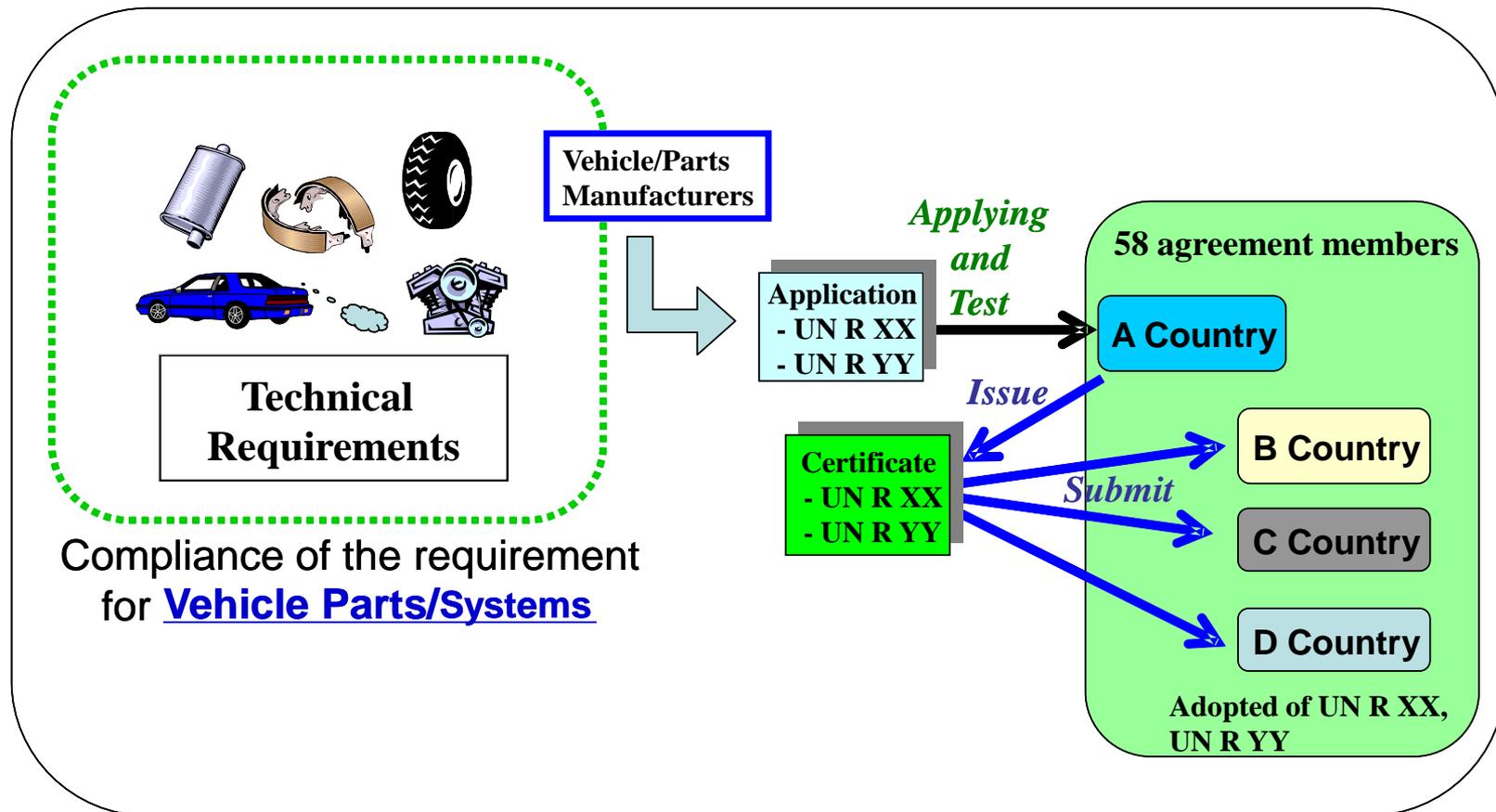
The 2<sup>nd</sup> Public and Private Joint Forum in Asian region  
23-25 November 2011

*Takao ONODA*

*Director for Implementation of International Agreements,  
Engineering Policy Division, MLIT*



- MRA (Mutual Recognition of Approval) under UNECE 1958 Agreement is governmental and multilateral MRA
- UN Regulations provide mechanism for mutual recognition
- Approvals granted are mutually recognized by the other Contracting Parties applying that Regulation



If the system of mutual recognition of type approval is established,

(1) Benefits from harmonizing regulations, while maintaining road safety and environmental protection, will increase, further promoting Contracting Parties' activities for harmonizing regulations related to vehicle construction and equipment, etc.

(2) It will serve as a model system that will help Contracting Parties establish the uniform type approval system and accelerate their activities for realization of mutual recognition system based on such approval.

## Government (G)

- Through harmonization, advanced safety and environmental regulations will be implemented internationally.
- Testing/approval procedures will be streamlined.
- Establishment of type approval system in developing countries, etc. will be facilitated.

## Industry (I)

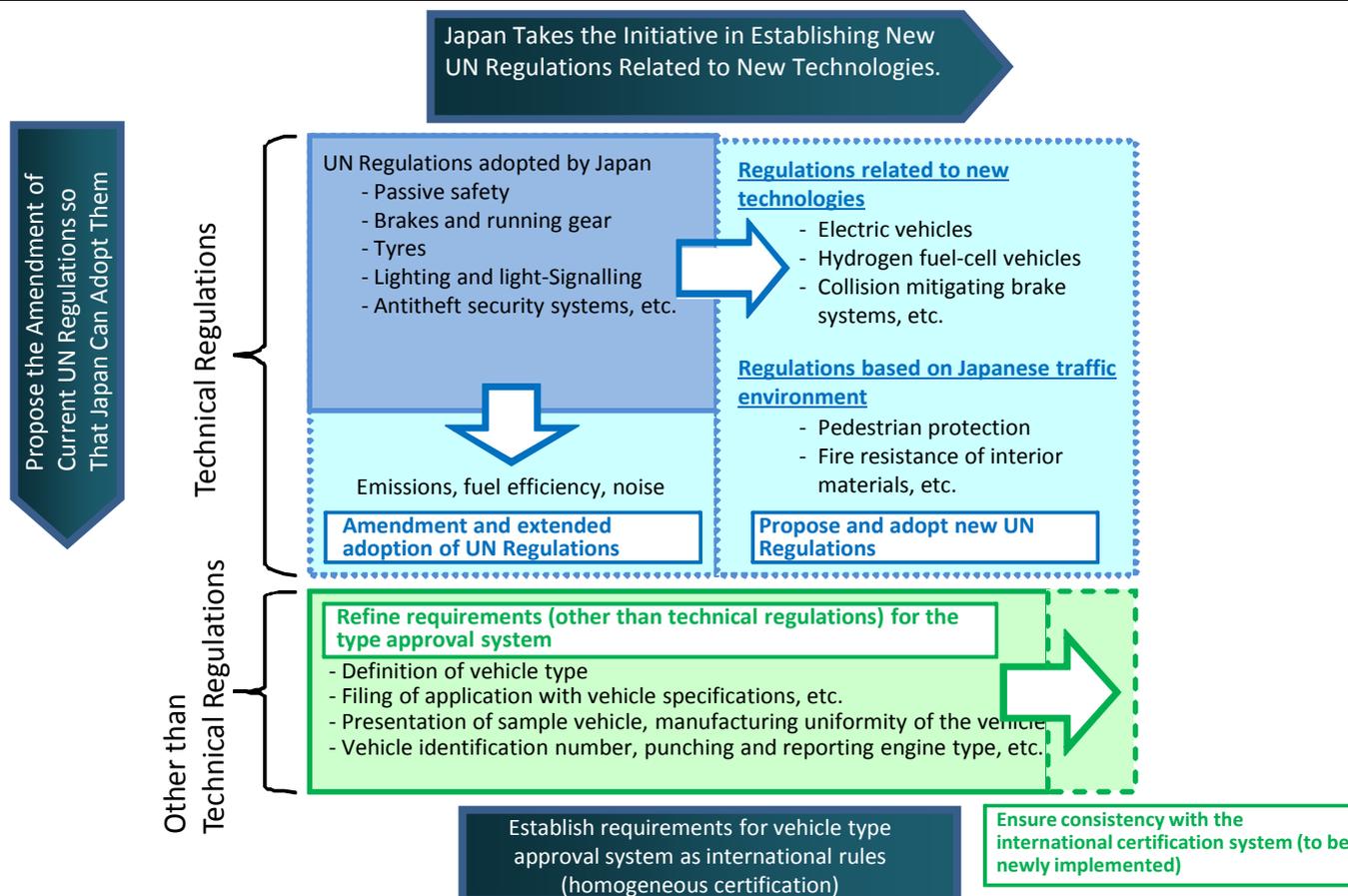
- Costs and man-hours required by differing development and certification procedures for complying with regulations of each product destination will be reduced.
- Resource can be spared for development of improved safety and environmental technologies.

## User

Wider availability of safer, more environmentally-friendly vehicles with reasonable prices

**Realization of sustainable mobility society**

- With the introduction of IWVTA, we can expect (i) acceleration in the harmonization of safety and environmental regulations, (ii) minimization of domestic regulations which is unique to a country, (iii) internationally harmonized type approval systems, and (iv) promotion of vehicle type approval systems in emerging countries.
- Through the introduction of IWVTA, we intend to amend the 1958 Agreement so as to make it a truly international agreement, which emerging countries can easily join.
- While embracing an aspect of IWVTA that benefits all of the Contracting Parties, we need to develop a framework that enables CPs to join on their own initiative and enjoy the maximum benefits from the mutual recognition of certification ensuring their own safety and environment with respects for the sovereignty of each party.



- It is crucial to make the 1958 Agreement more attractive also to Asian and other emerging countries, i.e., refine it so that they can join on their own initiative and reflect their voices.

## Current 1958 Agreement

- Historically, aimed at the harmonization of regulations and the mutual recognition of certification among the European countries.
- The amendment of a UN Regulation requires a two-third vote of the Contracting Parties applying the regulation, but 31 out of 49 CPs are from Europe (of which 28 are members of the EU).
- A new CP cannot vote on the amendment of a UN regulation if it has not applied the latest version of the regulation in advance. (= > Which could deter emerging countries from accession to the Agreement.)

Refine It into an Agreement that Asian and Other Emerging Countries Can Join on Their Own Initiative and Reflect Their Voices.

Amend the Agreement to permit different level of requirements in a Regulation

Review the Management and Voting Systems of the WP.29

**Achieve true harmonization of regulations and mutual recognition of certification, which is open also to emerging countries**



- In MRA under UNECE 1958, approvals granted are mutually recognized by the other Contracting Parties applying that Regulation.
- Benefits of MRA contributes to realize sustainable mobility society.
- In promoting the IWVTA system, we need to pave the way in two fields: that of technical regulations and that of certification systems.
- It's essential to refine 1958 Agreement into an Agreement that Asian and other emerging countries can join on their own initiative and reflect their voices on.

**Thank you for your attention!**



**MLIT**

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

Mohammad MALAWAT  
Directorate General of Land Transportation

## Type Approvals Referring to Act No. 22/2009

### Vehicle Technical Requirements



- a. Structures;
- b. Equipments;
- c. Dimension;
- d. Body making;
- e. Technical designed that complied to the vehicle purpose;
- f. Loading;
- g. The purpose;
- h. Trailer vehicle; and/or
- i. Semi trailer vehicle.

## Vehicle Road Worthiness Requirements



- a. Exhaust gas emission;
- b. Noise;
- c. Side Slip;
- d. Sound of horn;
- e. Efficiency of braking system;
- f. Efficiency of parking braking system
- g. Light emission and direction of head lamp;
- h. Turning radius;
- i. The accuration of speedometer;
- j. The complience of wheel performance and condition of tire;
- k. The complience of engine power ratio.

## The UNECE Regulation Priority To Be Adopted

- ▶ Asean Consultative Committee for Standard and Quality – Automotive Product Working Group (ACCSQ-APWG ) agreed to use UN-ECE Regulation as main reference in harmonization of automotive regulation, so the Mutual Recognition of Approval (MRA) can be implemented;
- ▶ Asean Consultative Committee for Standard and Quality – Automotive Product Working Group (ACCSQ-APWG) noted that there are 19 regulations considered to be harmonized in 2015.

## **14 regulations are on motor vehicles**

- ▶ R13 Braking system
- ▶ R13H Braking system for passenger car
- ▶ **R14 Seat belt anchorages**
- ▶ **R16 Seat belt**
- ▶ R17 Seat
- ▶ R25 Head restraint
- ▶ **R30 Pneumatic Tyre, Passenger Car**
- ▶ **R43 Safety Glass**
- ▶ **R46 Rear view mirror**
- ▶ **R49 Emission for heavy vehicles**
- ▶ **R51 Noise emission at least 4 wheels**
- ▶ **R54 Pneumatic Tyre, Commercial Vehicle**
- ▶ R79 Steering equipment
- ▶ R83 Emission-light vehicles

## 5 Regulations on motor cycles

- ▶ **R39**      **Speedometer**
- ▶ **R40**      **Emission for motor cycles**
- ▶ R41      Noise for motor cycles
- ▶ **R60**      **Controll telitale**
- ▶ **R75**      **Tyre**

- The blue printed regulations are proposed to be harmonized in Asean MRA for Vehicle Type Approval (VTA)

## Establishment of Indonesia Automobile Standards Internationalization Forum (IASIF)

- ▶ As preparation to join WP 29, and as process of harmonization in motor vehicle technical regulation, Indonesia already established forum, which is called Indonesia Automobile Standards Internationalization Forum (IASIF).
- ▶ IASIF is a mandate from the Director General of Land Transportation (MOT) Decree Number SK.2105/KP.801/DRJD/2011 dated 9 June 2011 Establishment of Indonesian Automotive Standard Internationalization Forum.
- ▶ This forum has duties to research automotive regulation in frame to prepare Indonesia joining WP 29; to research strategic for implementation UNECE regulation; and to identify UNECE regulation priority that to be adopted.

The Goals :

- 1.To prepare and to formulate WP 29 recommendations;
- 2.To prepare and to formulate Vehicle Type Approvals System;
- 3.Doing coordination with stake holders.

Office : Vehicle Testing and Certification Centre (VTCC) – (MOT)

This forum will discuss about minimization of unique subjects to promote the IWVTA concept under the UN Regulation framework for realizing harmonization of regulations and establishing MRA in ASEAN region.



**THANK YOU  
FOR YOUR ATTENTION**

# 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.



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

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

**Jakarta, Nov 24<sup>th</sup>, 2011**

**Presented by Nguyen Dong Phong**



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

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## CONTENT

1- General Requirements for IWVTA

2- ASEAN / ASIA's Situation/Obstacles



3- Proposals



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## 1- General 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...



Ministry of Transport  
Vietnam register

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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, tire ...), 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

## Vietnam Register



### 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	Exhaust 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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**Vietnam register**

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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



MINISTRY OF TRANSPORT

Vietnam Register



**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**

## Wrap-up

1. The 2nd Public and Private Joint Forum in Asian region (The 16th JASIC Asia Government/Industry Meeting) was held as the first meeting in the 6th Series of Public and Private Joint Forums. In accordance with the new series theme “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,” a wide range of in-depth opinions were presented by and exchanged among the participating economies regarding the following objectives of the Meeting:

(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; and

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

2. Objective (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.

The Chairman proposed to the Asian economies that the Public and Private Joint Forum assumes both the existing role that will last until each Asian economy’s vehicle type approval system is established and *a new role* that takes into account smooth operation of the established systems, which we would discuss from now. In addition, he proposed that the Asian economies would work together to follow and participate in the WP29’s activities comprehensively, including those towards the IWVTA, and share Asian participants basic stance regarding these activities. Furthermore, it was confirmed 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 participation in WP29 and of accession to the 1958 Agreement and that, to accelerate progress toward accession, they would build a cooperative network for jointly working towards international harmonization of regulations. It was also confirmed that, in order to create an environment where the Asian economies can better understand the UN Regulations with a view of adopting, accepting, and referring to them, as an equivalent to their national regulations, *Expert Meetings* would be promoted and held for deepening technological understanding of individual UN Regulations, and unique requirements would be minimized.

3. Objective (2): To coordinate and communicate integrated Asian voice to WP29 for development of the IWVTA and technical regulations.

It was confirmed that each Asian economy may present its opinions in the IWVTA development activities so that their requests regarding the IWVTA activities and proposals for further revision of the 1958 Agreement can be reflected at WP29. Moreover, it was confirmed 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 Asian economies. It will be further discussed how to convey Asian voice to WP29 in the next Forum.

4. Objective (3): To promote understanding on the IWVTA concept for development of the regional common Whole Vehicle Type Approvals system through the ASEAN MRA

activities.

It was confirmed that, to establish the system of mutual recognition of vehicle type approvals the Asian economies would study and understand the IWVTA concept and corresponding technical requirements and administrative procedures. It was also confirmed that, in order to build MRA/regulation harmonization frameworks in ASEAN, information on amendment/establishment of UN Regulations would be exchanged in a timely manner.

5. It was agreed that the next Public and Private Joint Forum would be held in the Philippines.



## **Closing Address**

**Mr. Hendroputroco**  
**Secretary**  
**Directorate General Land Transportation**  
**(DGLT), Indonesia**

**CLOSING ADDRESS**  
**SECRETARY OF DIRECTORATE GENERAL OF LAND TRANSPORTATION**  
**FOR THE 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (THE**  
**16<sup>TH</sup> JASIC ASIA GOVERNMENT AND INDUSTRY MEETING)**  
**JAKARTA, 23 – 25 NOVEMBER 2011**

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DISTINGUISHED,

1. DIRECTOR OF ROAD TRANSPORT BUREAU, MINISTRY OF LAND, INFRASTRUCTURE, TRANSPORT AND TOURISM JAPAN;
2. DIRECTOR GENERAL OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
3. HEAD OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
4. EXECUTIVE DIRECTOR OF JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER;
5. DIRECTORS IN THE SCOPE OF THE DIRECTORATE GENERAL OF LAND TRANSPORTATION, MINISTRY OF TRANSPORTATION;
6. HEAD OF CENTER FOR THERMODYNAMICS, ENGINES AND PROPULSION CENTER, AGENCY FOR ASSESSMENT AND APPLICATION OF TECHNOLOGY;
7. CHAIRMEN OF AUTOMOTIVE ASSOCIATIONS;
8. DELEGATES FROM PARTICIPATING COUNTRIES.

LADIES AND GENTLEMEN,

**ASSALAMMU'ALAIKUM WR. WB.**

**GOOD AFTERNOON AND GREETINGS**

FIRST AND FOREMOST, LET US HIGHLY PRAISE GOD AL-MIGHTY FOR HIS GRACE AND BLESSINGS AS TODAY WE ARE ABLE TO ASSEMBLE HERE

AND SUCCESSFULLY COMPLETE THE SERIES OF ACTIVITIES IN THE 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (THE 16<sup>TH</sup> JASIC ASIA GOVERNMENT AND INDUSTRY MEETING) ACCORDING TO OUR PLAN AND MUTUAL GOAL.

**DISTINGUISHED PARTICIPANTS,**

IN THIS OPPORTUNITY, ALLOW ME TO EXPRESS OUR HIGHEST APPRECIATION AND GRATITUDE TO ALL THE PARTICIPANTS, ESPECIALLY TO THE FOREIGN DELEGATES; THANK YOU FOR FULLY PARTICIPATING IN THIS MEETING, FROM THE BEGINNING TILL THE END OF THE EVENT TOMORROW.

WE WOULD ALSO LIKE TO EXPRESS OUR APPRECIATION TO ALL THE PARTICIPANTS WHO HAVE ACTIVELY CONVEYED YOUR CONSTRUCTIVE IDEAS, RECOMMENDATIONS, AND INPUTS.

THANK YOU ALSO TO EVERYONE WHO HAS CONTRIBUTED IN MAKING THIS EVENT TO RUN SUCCESSFULLY, ESPECIALLY TO THE ORGANIZING COMMITTEE FROM THE INDONESIAN GOVERNMENT, AND TO THE JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER.

**DISTINGUISHED PARTICIPANTS,**

LET US ALL HOPE THAT THE PURPOSE AND OBJECTIVE OF THIS MEETING CAN BE IMMEDIATELY REALIZED AND CAN ENHANCE THE COOPERATION AMONG ASIAN COUNTRIES IN RELATION TO THE AUTOMOTIVE AND INDUSTRY SECTOR, ALSO WE HOPE THAT THE RESULTS OF THIS MEETING CAN ADDRESS THE CHALLENGES WE FACE IN THIS GLOBALIZATION ERA. EQUALLY ESSENTIAL, WE HOPE THAT THIS CAN LEAD TO BETTER SUPPORT AND ENHANCED AWARENESS

TOWARDS ROAD SAFETY, WHICH IS AN ISSUE THAT WE CAN NO LONGER NEGOTIATE ON CONCERNING ITS IMPORTANCE.

TO ALL THE PARTICIPANTS, I BID YOU FAREWELL, AND WISH YOU ALL A SAFE JOURNEY BACK TO YOUR HOME COUNTRY.

FINALLY, BY SAYING "ALHAMDULILLAHIROBBILALAMIIN" I OFFICIALLY CLOSE THE 2<sup>ND</sup> PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION AND THE 16<sup>TH</sup> JASIC ASIA GOVERNMENT AND INDUSTRY MEETING OF 2011.

**WASSALAMMU'ALAIKUM WR. WB.**

JAKARTA, 24 NOVEMBER 2011  
**SECRETARY OF DIRECTORATE GENERAL  
OF LAND TRANSPORTATION**

**IR. HENDRO PUTROKO, M. ENG. SC**















































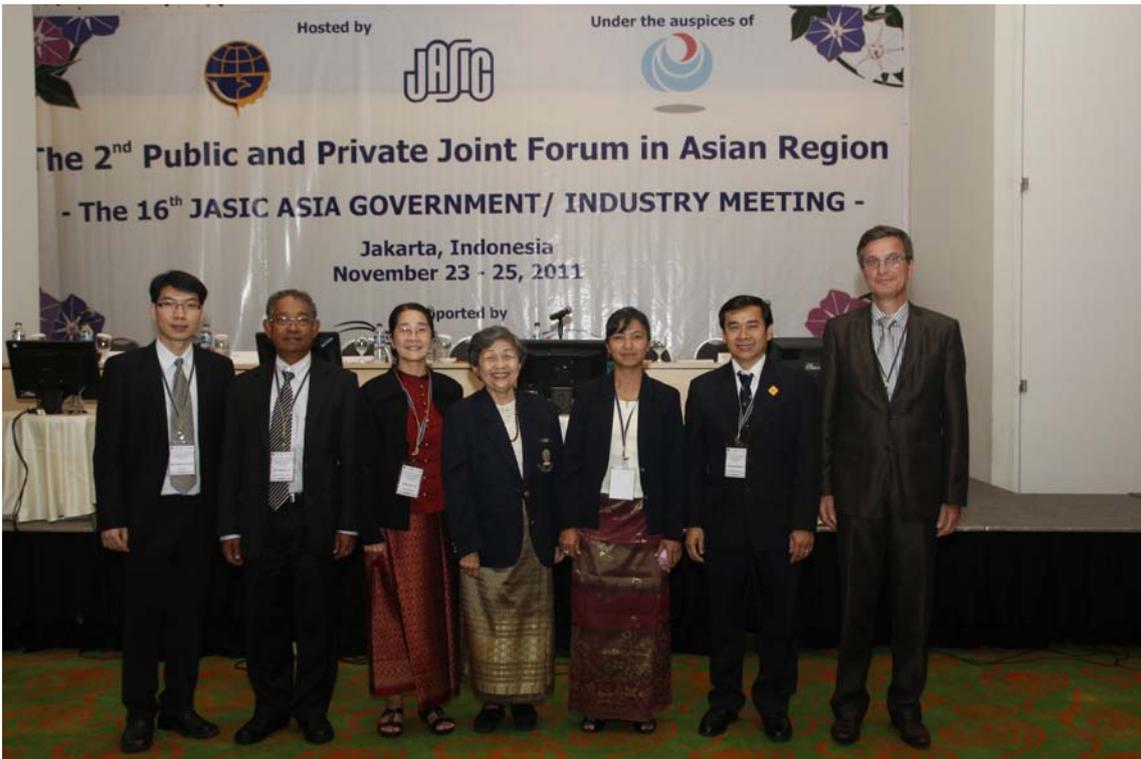














# The 2<sup>nd</sup> Public and Private Joint Forum in Asian region

- Day 3 -

## Technical Tour

**Date:** November 25 (Fri.) 2011

**Place:** BTMP-BPPT

(Center for Thermodynamics,  
Engines & Propulsion)

**Address:** 230 Bld PUSPIPTEK  
Tangerang Selatan 15314,  
Banten, 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** (16)                       not so much of my interests (0)

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

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

easy (0)                       **adequate** (16)                       difficult (0)

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

Speech	<input type="checkbox"/> too long (1)	<input type="checkbox"/> <b>enough</b> (16)	<input type="checkbox"/> too short (0)
Presentation	<input type="checkbox"/> too long (0)	<input type="checkbox"/> <b>enough</b> (17)	<input type="checkbox"/> too short (0)
Panel Discussion-1	<input type="checkbox"/> too long (0)	<input type="checkbox"/> <b>enough</b> (17)	<input type="checkbox"/> too short (0)
Question and Answer	<input type="checkbox"/> too long (0)	<input type="checkbox"/> <b>enough</b> (16)	<input type="checkbox"/> too short (1)

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 (0)                       *enough* (16)                       difficult (0)

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

- |                     |                                       |   |  |
|---------------------|---------------------------------------|---|--|
| Reports             | <input type="checkbox"/> too long (0) | <input type="checkbox"/> <i>enough</i> (17) | <input type="checkbox"/> too short (0) |
| Presentation        | <input type="checkbox"/> too long (1) | <input type="checkbox"/> <i>enough</i> (15) | <input type="checkbox"/> too short (1) |
| Panel Discussion-2  | <input type="checkbox"/> too long (0) | <input type="checkbox"/> <i>enough</i> (17) | <input type="checkbox"/> too short (0) |
| Question and Answer | <input type="checkbox"/> too long (0) | <input type="checkbox"/> <i>enough</i> (16) | <input type="checkbox"/> too short (1) |

**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) (9)                       *Download form JASIC's Website.* (8)

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

- Yes* (17)                       *No* (0)

**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.

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

4. Please write any **questions and/or comments** at this meeting (Day 1), if you have.
- Invite more parties to deliver a presentation on the subject, to stimulate more Q & A + debate.

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

3. Please provide any comments and/or questions at this meeting (Day 2), if you have.
- No answer

**---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.
- Make the presentations available well before the meeting (E.G Posting them on the JASIC website) + Make draft conclusions available on paper so that participations can study them in advance.
  - I should be highly appreciate if all the material of this forum to be distribute in pen-drive for each delegate country representative at the end of the forum for future reference.
  - Soft copy of “slide presentation material” to be provided by organizer in thumb drive. (Organizer to provided drive)
  - Presentation on how IWVTA testing is being carried out effectively.
  - Objective should be concrete and clear.

**5. Other**

Please write comments and/or questions concerning this meeting.

- Many thanks for Indonesian Ministry of Transport and JASIC for the excellent organization of this event!
- Presentation (files) can be burnt into CD & distributed to each Entity (one each) attending the Forum.
- Country’s presentation should be wrapped in one session together.

**Respondents**

**Total: 17 persons**

**EU:1, Thailand:3, Malaysia:4, Philippines:2, Myanmar:3, Lao PDR:2, Korea:1, Singapore:1**