



AUTOMOTIVE
SUMMIT 2015

ASEAN...the emerging
Automotive Hub of the World

24th - 25th June 2015

Bitec Bangna, Bangkok

“ASEAN MRA and Implementation Status”

AUTOMOTIVE 
SUMMIT 2015

By: Manfred Lottig
TÜV Rheinland Malaysia Sdn. Bhd.

Content:

- Brief Introduction of  TÜVRheinland®
- Basics about ASEAN
- Historical Development
- MRA in Automotive Products
- Status

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Our Facts and Figures



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Our Automotive related services



- **Homologation of Motor Vehicle Components:**
 - Type approval tests according to EC-directives/ regulations and ECE-regulations, resulting in official EC- or ECE-approvals, e.g. Complete vehicles, vehicle systems, lighting, glass, tire, mirror, etc
- **Engineering Testing of Motor Vehicle Components:**
 - Physical & mechanical test for Interior & Exterior material or components according to OEM's and international standards.
 - Chemical test for material/components according to OEM's standards, international standards, regulations & directives
- **Workshop Services:**
 - Audits of workshops according to client's standards
 - Workshop Evaluation with prepared vehicles
- **Periodical Technical Inspections (PTI)**

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ASEAN Economic Community 2015 (AEC)



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Goal of AEC:

to establish ASEAN into a region with free movement of goods, services, investment, skilled labour, and free flow of capital.

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History:

- ASEAN was founded in 1967
- At the ASEAN Summit in Kuala Lumpur in December 1997 it was decided to transform ASEAN into a stable, prosperous, and highly competitive region
- At the Bali Summit in October 2003, ASEAN Leaders declared that the ASEAN Economic Community (AEC) shall be the goal of regional economic integration

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History:

- At the ASEAN Economic Ministers Meeting (AEM) held in August 2006 in Kuala Lumpur, Malaysia, it was agreed to develop “a single and coherent blueprint for advancing the AEC
- At the 12th ASEAN Summit in January 2007, the Leaders affirmed their strong commitment to accelerate the establishment of an ASEAN Community by 2015
- Sectoral Working Groups have been founded
- Several Working Group meetings have been held until today

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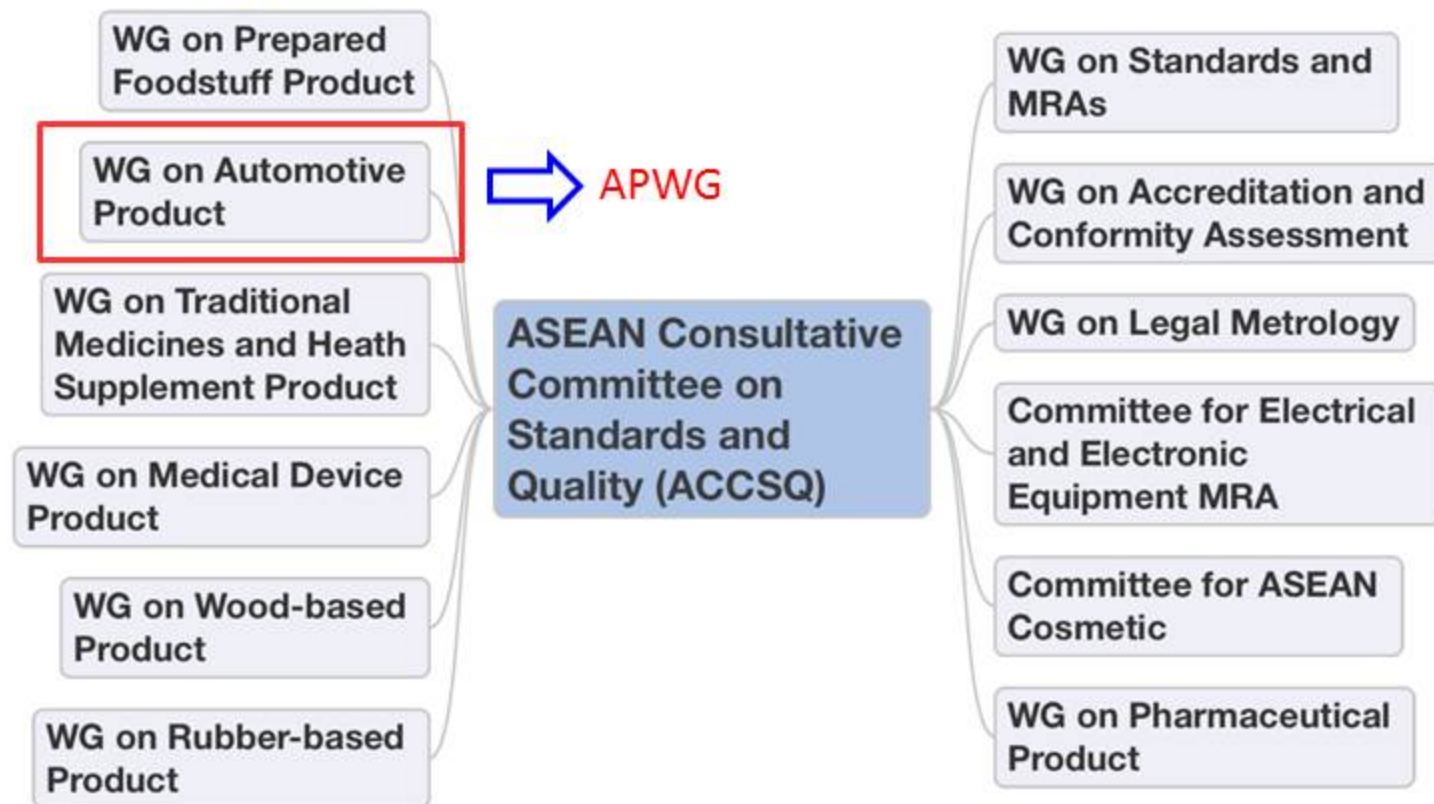


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Working Groups within ACCSQ:



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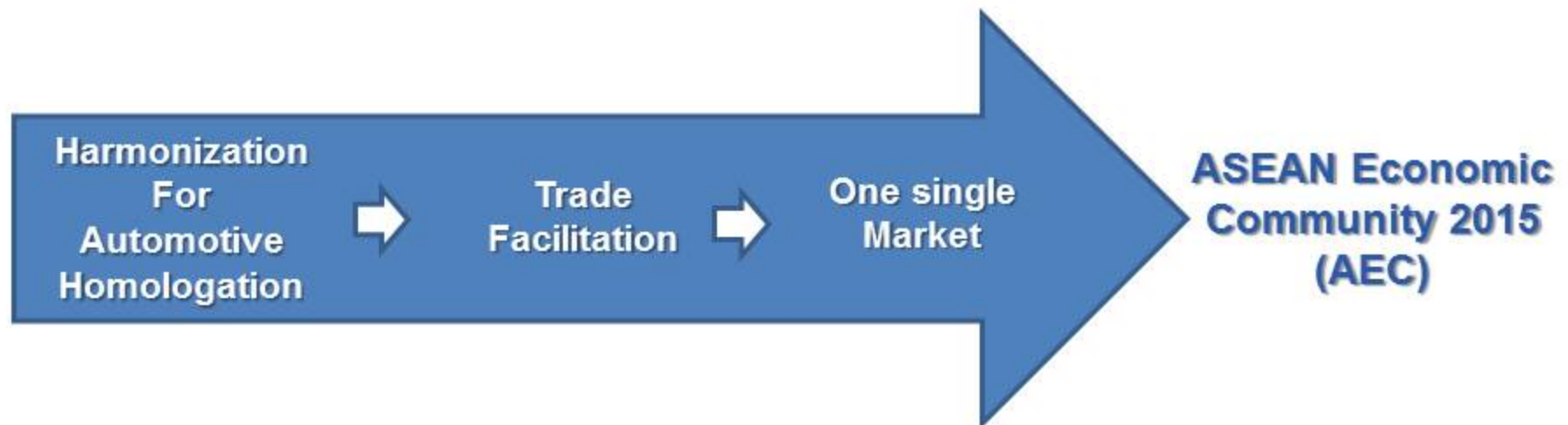


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ASEAN Mutual Recognition Arrangement (MRA):

ASEAN Sectoral MRA on Automotive Products



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Items of the ASEAN Sectoral MRA on Automotive Products

- Automotive regulations to be adopted from UNECE based on the 1958 Agreement
- Start with 19 UNECE Regulations (Phase 1)
- It is planned that each MS (Member State) will appoint TS which do not need necessarily to be a TS under WP29

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Items of the ASEAN Sectoral MRA on Automotive Products

- Test reports may be sufficient (no UNECE certificates needed)
- Planned starting date: January 2016
- Further adoption of UNECE Regulations in Phase 2 (2-3 years after start of Phase 1)

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UNECE

- The United Nations Economic Commission for Europe (UNECE) is a multilateral platform to facilitate greater economic integration and cooperation and promotes sustainable development and economic prosperity
- Currently fifty-six member States

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The start: 19 UNECE Regulations

No.	Automotive Product	UNECE Regulation	UNECE Series	Remark:
1	Braking System	R13	11	Currently no public test facility in ASEAN for ABS/ESC testing
2	Braking System (Passenger Car)	R13H	00	As above
3	Seat belt anchorage	R14	06	Destructive testing on BIW

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The start: 19 UNECE Regulations

No.	Automotive Product	UNECE Regulation	UNECE Series	Remark:
4	Seat belt	R16	06	Component and Installation testing
5	Seats	R17	07	Destructive testing
6	Head Restraints	R25	04	Destructive testing

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The start: 19 UNECE Regulations

No.	Automotive Product	UNECE Regulation	UNECE Series	Remark:
7	Pneumatic tyre – passenger cars	R30	02	Component testing
8	Speedometer	R39	00	Vehicle testing
9	Exhaust Emission (L category)	R40	01	Vehicle testing

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The start: 19 UNECE Regulations

No.	Automotive Product	UNECE Regulation	UNECE Series	Remark:
10	Noise emission (L category)	R41	03	Vehicle testing
11	Safety glass	R43	00*	Component and installation testing
12	Rear View Mirror	R46	02	Component and installation testing

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The start: 19 UNECE Regulations

No.	Automotive Product	UNECE Regulation	UNECE Series	Remark:
13	Exhaust Emission	R49	05	Engine testing
14	Noise emission	R51	02	Vehicle testing
15	Pneumatic tyre – commercial	R54	00	Component testing

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The start: 19 UNECE Regulations

No.	Automotive Product	UNECE Regulation	UNECE Series	Remark:
16	Driver Operated Control (L Category)	R60	01	Vehicle testing
17	Tyre (L category)	R75	00	Component testing
18	Steering Equipment	R79	01	Vehicle testing
19	Exhaust Emission*)	R83	05	Vehicle testing

***) Current requirements on exhaust emissions are different in most of the MS**

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Next steps:

- **APWG Meeting in Thailand, scheduled in October 2015**
- **To sign the MRA by ?**

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