



Automotive Products Harmonising Standards and Technical Regulations

ASEAN MRA on Type Approval of Automotive Products (APMRA) – regional initiative that provides a mechanism to recognise the testing and inspection results of the automotive products from the exporting ASEAN Member State (AMS) in ASEAN by the importing AMS. Testing and inspection will be conducted based on the requirements of the priority 19 UNECE regulations (Annex 1 of the APMRA):

No	Phase 1		No	Phase 1	
	Description	UNR		Description	UNR
1.	Braking	R13	11.	Seatbelt anchorage	R14
2.	Braking System (M1, N1)	R13H	12.	Safety Glazing Materials and their Installation	R43
3.	Seat	R17	13.	Exhaust emission (Motorcycle)	R40
4.	Head Restraint	R25	14.	Exhaust Emission(HDV)	R49
5.	Audible Warning Device	R28	15.	Seatbelt	R16
6.	Speedometer	R39	16.	Pneumatic Tyre (HDV)	R54
7.	Noise (Motorcycle)	R41	17.	Pneumatic Tyre (L category)	R75
8.	Rear View Mirror	R46	18.	Pneumatic Tyre (LDV)	R30
9.	Sound emission (Motor Vehicles having 4 wheels)	R51	19.	Exhaust Emission (LDV)	R83
10.	Steering System	R79			

Information source:

16th PUBLIC AND PRIVATE JOINT FORUM IN ASIAN REGION (30th ASIA GOVERNMENT AND INDUSTRY (G/I) MEETING) (25-27 NOVEMBER 2025)

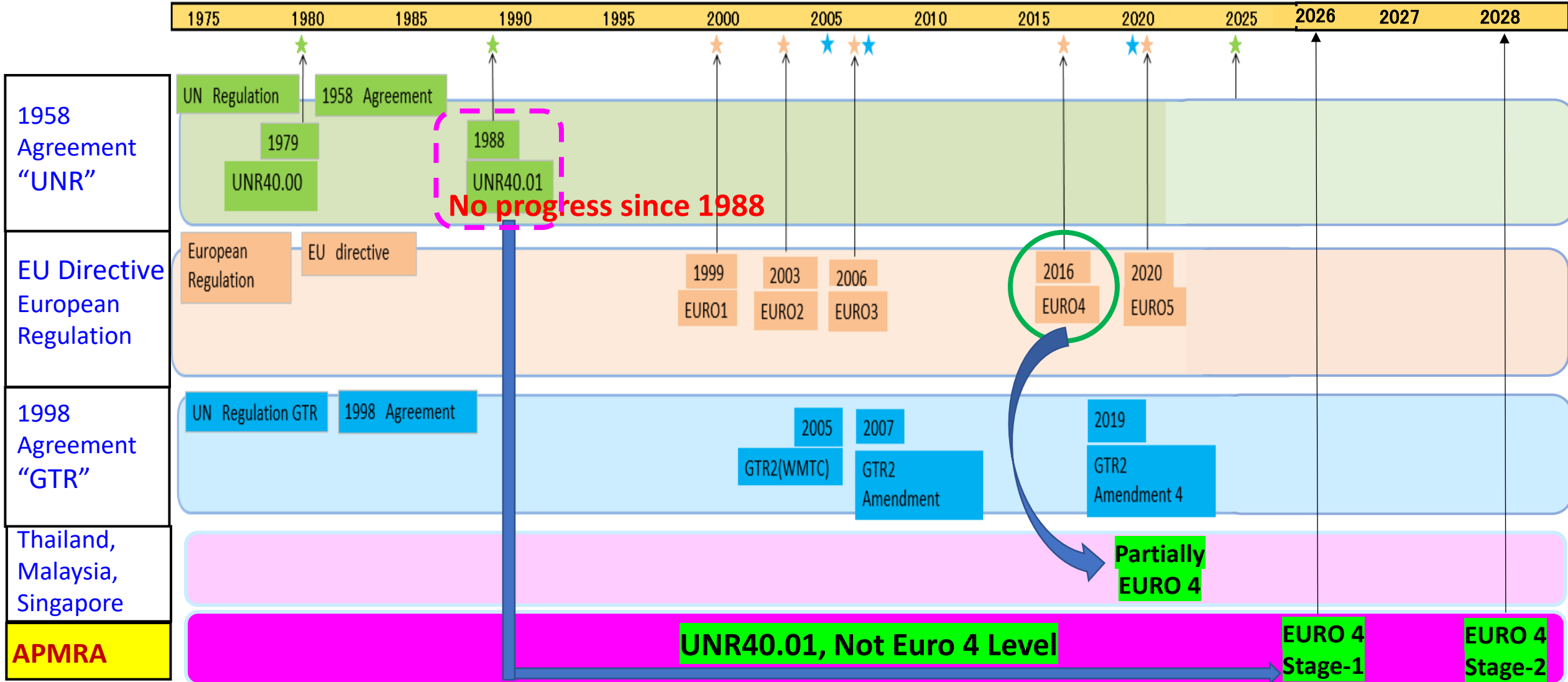
Issue on UN-R40 (Emission of Gaseous Pollutants by Motorcycles)
for Harmonization of the 19 UNRs on APMRA
(ASEAN MRA on Type Approval for Automotive Product)

The 16th Public and Private Joint Forum in Asian Region
The 30th ASIA Government/ Industry Meeting
Phnom Penh, Cambodia, 24-27 Nov 2025



Issue on UN-R40 for Harmonization of UNR on APMRA

Latest version of UNR40-01 is too old (below Euro 1 level, Not Euro 4 level),
Can Not be used for APMRA



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1 As for Stage 1: from 2026
 (MRA by Test Report)
 APMRA Will use European Regulation
 134/2014 (Euro 4), Instead of UNR40.01

2 As for Stage 2: from 2028
 (MRA by **UNR Certificate**)
 Ideal condition is to use UNR.
It Should be Updated
Current UNR40.01 to Euro 4 level.

DRAFT Guidance Document ASEAN APMRA:
 Supplementary Provisions I: Application of ASEAN MRA Annex I


UN Regulations (UNR)	Agreed ASEAN Series of UNRs	Vehicle Category		
		M1	N1	L1, L2, L3, L4 and L5
R13	11		x	
R13H	01	x	x	
R17	08	x	x	
R25	04	x	x	
R28 - Component	00	x	x	x
R28 - Installation	00	x	x	x
R39	01	x	x	x
R46 - Component	04	x	x	
R46 - Installation	04	x	x	
R51	02	x	x	
R79	03	x	x	
R14	06	x	x	
R16 - Component	06	x	x	
R16 - Installation	06	x	x	
R30 - Component	02	x	x	
R40 or EU Regulations 134/2014 (Euro 4)	01 (Future)			x
R41	04			x
R43 - Component	01	x	x	
R43 - Installation	01	x	x	
R49	05	x	x	
R54 - Component	00		x	
R75 - Component	00			x
R83	05	x	x	

Issue on UN-R40 for Harmonization of UNR on APMRA

Current Situation and Opportunity to Update UN-R40 to Euro 4 Level

<Reference information for UN WP.29/GRPE meeting>

United Nations



Economic and Social Council

ECE/TRANS/WP.29/GRPE/2023/14

Distr.: General
30 January 2023

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Pollution and Energy

Eighty-eighth session
Geneva, 12–13 April 2023
Item 1 of the provisional agenda
Adoption of the agenda

#88 GRPE

Provisional agenda for the eighty-eighth session* **

to be held at the Palais des Nations, Geneva, starting at 9.30 a.m. on 12 April 2023 and concluding at 5.30 p.m. on 13 April 2023.

I. Proposal

1. Adoption of the agenda.

2. Automotive-Life Cycle Assessment (A-LCA).

3. Motorcycles and mopeds:

(a) UN Regulations Nos. 40 (Emission of gaseous pollutants by motorcycles) and 47 (Emission of gaseous pollutants of mopeds);

(b) UN Global Technical Regulations Nos. 2 (World-wide Motorcycle emissions Test Cycle (WMTC)), 17 (Crankcase and evaporative emissions of L-category vehicles), 18 (On-Board Diagnostic (OBD) systems for L-category vehicles) and 23 (Durability);

(c) Environmental and Propulsion Performance Requirements (EPPR) for L-category vehicles.

4. Any other business.

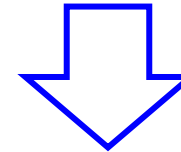
EPPR

< Future Activities of UN WP.29/GRPE/EPPR informal WG >

EPPR future activities

2022-2025: Meetings of the working group continued on the following activities:

- A) Power and Torque determination
- B) Battery Electric Vehicles (incl. range determination)
- C) Deterioration Factors in UN GTR on Durability. Revision of deterioration factors for mathematical test procedure of durability testing.
- D) Transposition of UN GTR No. 2 into UN Regulation.**
- E) Other potential items



The EPPR leadership invited Contracting Parties (1958 CPs) to begin IWG discussions on **transposing UN-GTR No.2** to Euro 3, 4 and 5 Emission levels through incremental steps.

It's good Opportunity for 1958 CPs from ASEAN Member States (Malaysia, Thailand, Philippines and Viet Nam) to express the interest and support on transposition of UN-GTR 2 into UN-R40 (Euro 4 level).

Progress on UN-R40 Update

Transposition of UN-GTR No.2 into :

UN-R40.02 Series (Euro 3 Level),

Supported by South-Africa, submission to WP.29 next Mar 2026.

UN-R40.03 Series (Euro 4 Level)

- Call for Support from ASEAN CPs for APMRA.
- Malaysia intend to express their interest at EPPR and under internal discussion.
- Motorcycle Industry (IMMA) indicated its willingness for drafting.

Issue on UN-R40 for Harmonization of UNR on APMRA

Transposition of UN-GTR No.2 into UN-R40.03 Series (Euro 4 Level)

Motorcycle industry and JASIC meeting with MARii, JPJ and DOE on August 26-27, 2025.

MARii



JPJ



DOE



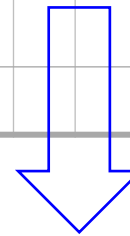
Issue on UN-R40 for Harmonization of UNR on APMRA

Schedule for propose UN-R40 update

(Transposition of UN-GTR 2 into UN-R40.03 (Euro 4 level))

(for Reference)

	Meetings	2025						2026					
		7	8	9	10	11	12	1	2	3	4	5	6
UN	AAF TC5 Mtg.			#29 26						#30 xx			
	AAC/APWG Mtg.				#40 27-28							#41 xx-xx	
	EPPR Informal WG			#70 18	#71 14			#72 28		#73 16		#74 13	
	GRPE				#93 14-17					#94 16-19			
	WP.29					#197 10-14				#198 xx - xx			#199 xx - xx



Taking chance on the future meeting of IWG EPPR :

Malaysia, Thailand, Philippines, Viet Nam as 1958 CPs from ASEAN may express the interest and support on transposition of UN-GTR 2 into UN-R40.03 (Euro 4) for more suitable with APMRA.



A A F
ASEAN AUTOMOTIVE FEDERATION

Thank You