

Process of developing measures related to vehicle safety and environmental protection



by Automotive Engineering Bureau
Department of Land Transport
Ministry of Transport
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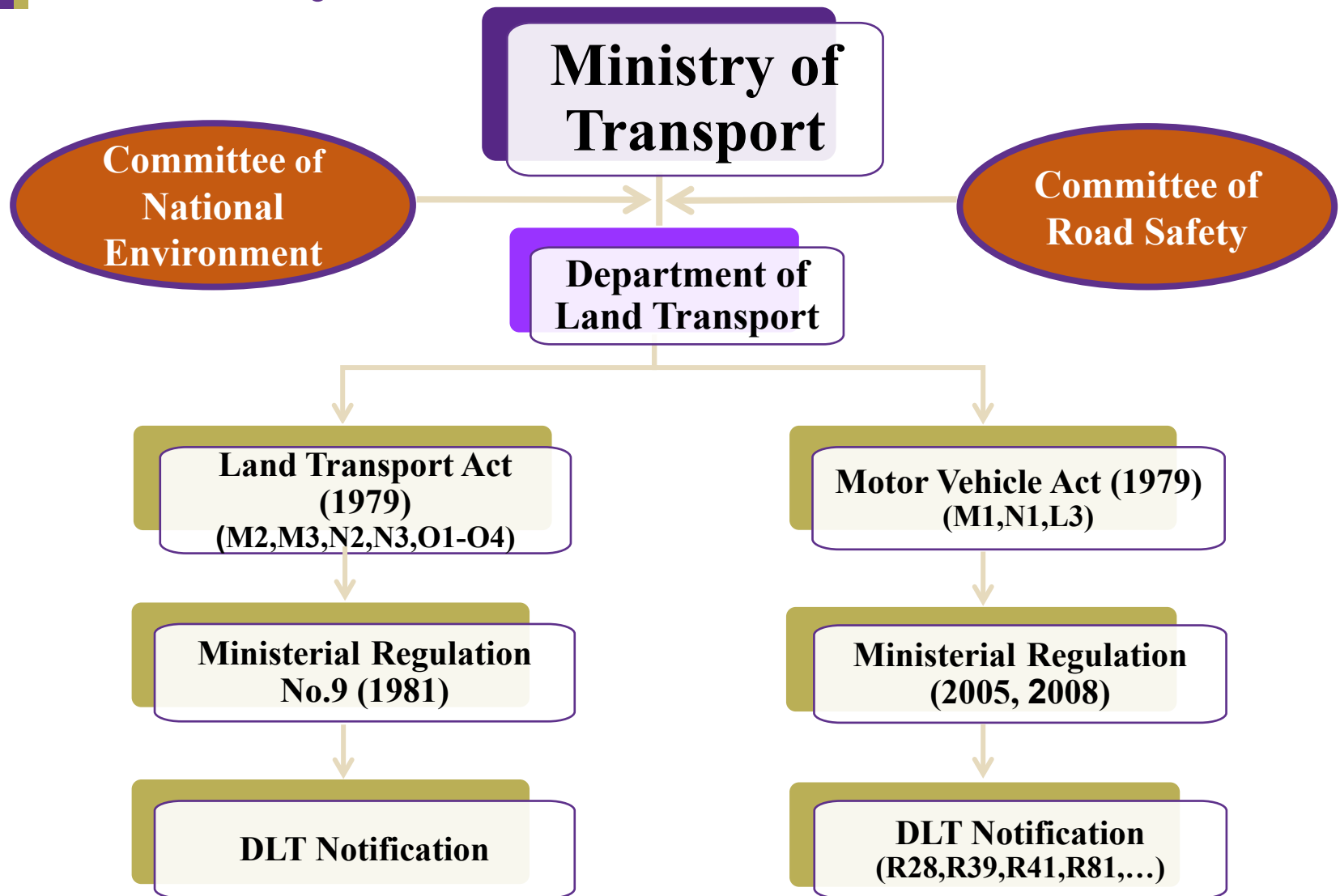
AGENDA



- 1. Policy & Related Acts**
- 2. Motor Vehicle Act 2522 BE (1979) – MVA**
- 3. Land Transport Act 2522 BE (1979) – LTA**
- 4. Notification issuing process**
- 5. Signed/Enforced Notifications**
- 6. Summary**



1. Policy & Related Acts



2. Motor Vehicle Act (1979) – MVA

Ministerial Regulation 2005, 2008



- Ministerial Regulation concerning characteristics, mass, dimension (2005) of motor vehicle.
- Ministerial Regulation concerning vehicle parts/system (2008) allow UN Regulations promulgation.
- **Amend/draft** national technical regulations by adopting UN Regulation was **the first priority**
- **Plan** to amend/draft national technical regulations, joint discussion with TAIA and TAPMA, focused:
 - L3, M1, N1
 - Set UN Regulations for those vehicle classes for registration specified in MR2551

3. Land Transport Act (1979) – LTA

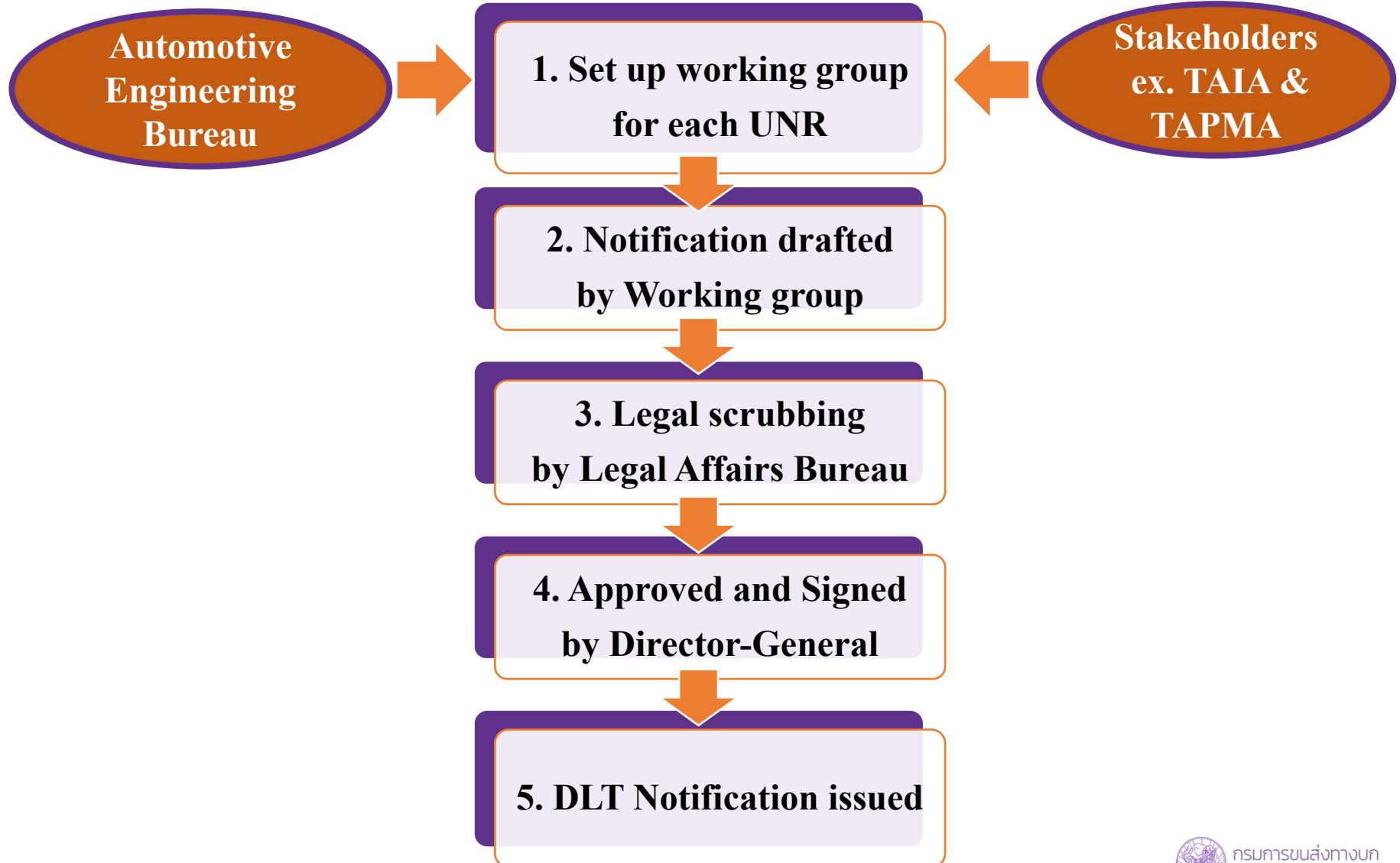
Ministerial Regulation No. 9 (1981)



- Ministerial Regulation No. 9 set vehicle parts/system, mass, dimension for bus and truck
- MR9 was revised three times within past 8 years to add more vehicle parts and performance for ensuring vehicle safety
- Notifications issued to align with relevant UNRs with some adaptation



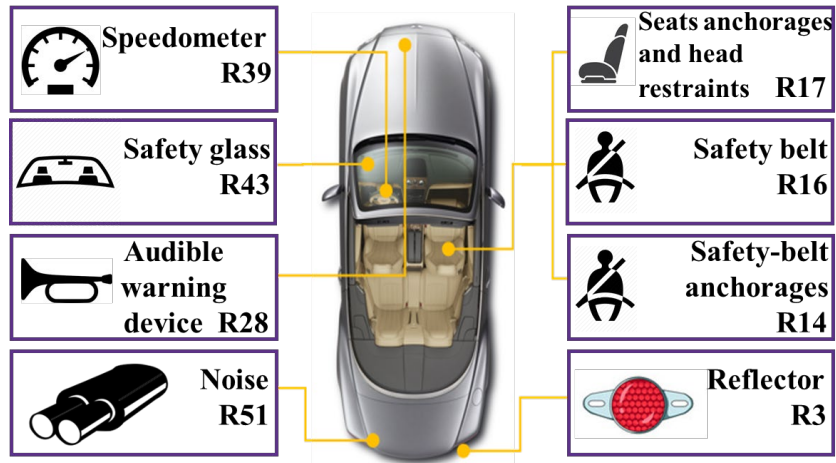
4. Notification issuing process



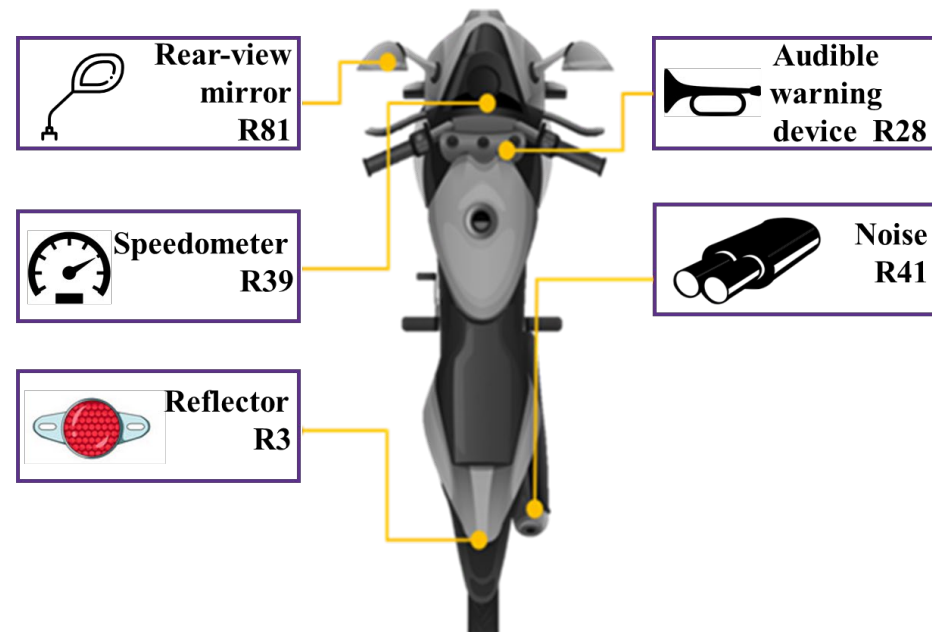
5. Signed/Enforced Notifications

5.1 Current National Regulations under MVA

M1 N1 : Enforced



L3 : Enforced



5. Signed/Enforced Notifications

5.2 Promulgation soon



2021		2022	
L3	M1, N1	L3	M1, N1
R78.04 (Braking)	R13H.00/R13 (Braking)	R10.05 (EMC)	R10.05 (EMC)
R136.00 (Electric power train)	R46.04 (Devices for indirect vision)	EC97/24 (Chapter 6) (Fuel tank)	R11.04 (Door latches and hinges)
R50.00 (Driver operated controls)	R48.06 (Installation of lighting)	Reg. (EU) 134/2014/R85 (Engine measurement)	R142.00 (Tyres installation)
R60.00 (Driver operated controls)	R79.03 (Steering equipment)	R62 (Anti-theft)	R145 (ISOFIX anchorage systems)
R53.01 (Installation of lighting)	R112.01 (Asymmetrical Headlamps)		
R112.01 (Asymmetrical Headlamps)	R6.01 (Direction indicators)		
R113.01 (Symmetrical Headlamps)	R7.02 (Position, stop and end-outline lamps)		
	R23.00 (Reversing lamps)		



5. Signed/Enforced Notifications

5.3 National Regulations under LTA



Regulation		← 2017	2018	2019	2020	2021
R107 Annex 3	Bus stability (to pass tilt test 30 degree)	○ (2013)				
R3 / R104	Retro Reflective marking for large vehicle		○			
R55	Coupling device			○		
R17 / R80 / R14	Strength of seat Safety-belt anchorage				○	
R118	Burning behavior of materials used in the interior construction of bus				○	
R66	Strength of superstructure for bus					○
R58	Rear underrun protective devices					○
R73	Lateral protection devices					○



5. Summary

- Thai Government set road safety as their first priority especially in public transportation vehicle, DLT by AEB as an authority to issue the regulation for vehicle in order to increase safety performance through conducting vehicle type approval following UNR.
- Some adapting from UNR might be required in some context to comply with Thai condition.

**** Thank you ****

