



Automotive
Engineering
Bureau

DLT



Thailand's Country Report

Current Domestic Regulation and Future Plan

**The 15th Public and private joint Forum in Asian Region
(29th Asia Government/Industry Meeting)**

26 - 28 November 2024

Outline

- 1. Related Government Agencies**
- 2. DLT's Current Type Approval System**
- 3. Current / Future National Regulations (DLT)**
- 4. Current / Future National Regulations (TISI)**
- 5. Update of Testing Facilities for ASEAN MRA (TAI)**

Related Government Agencies



Automotive
Engineering
Bureau

DLT

Department of Land Transport (DLT)

- Responsible for the land transport law, motor vehicle law, Vehicle Registration, etc.
- Issue DLT notifications align with UN regulation
- **Approval Authority**
Type approval of Vehicle and installation of equipment or parts



Thai Industrial Standards Institute (TISI)

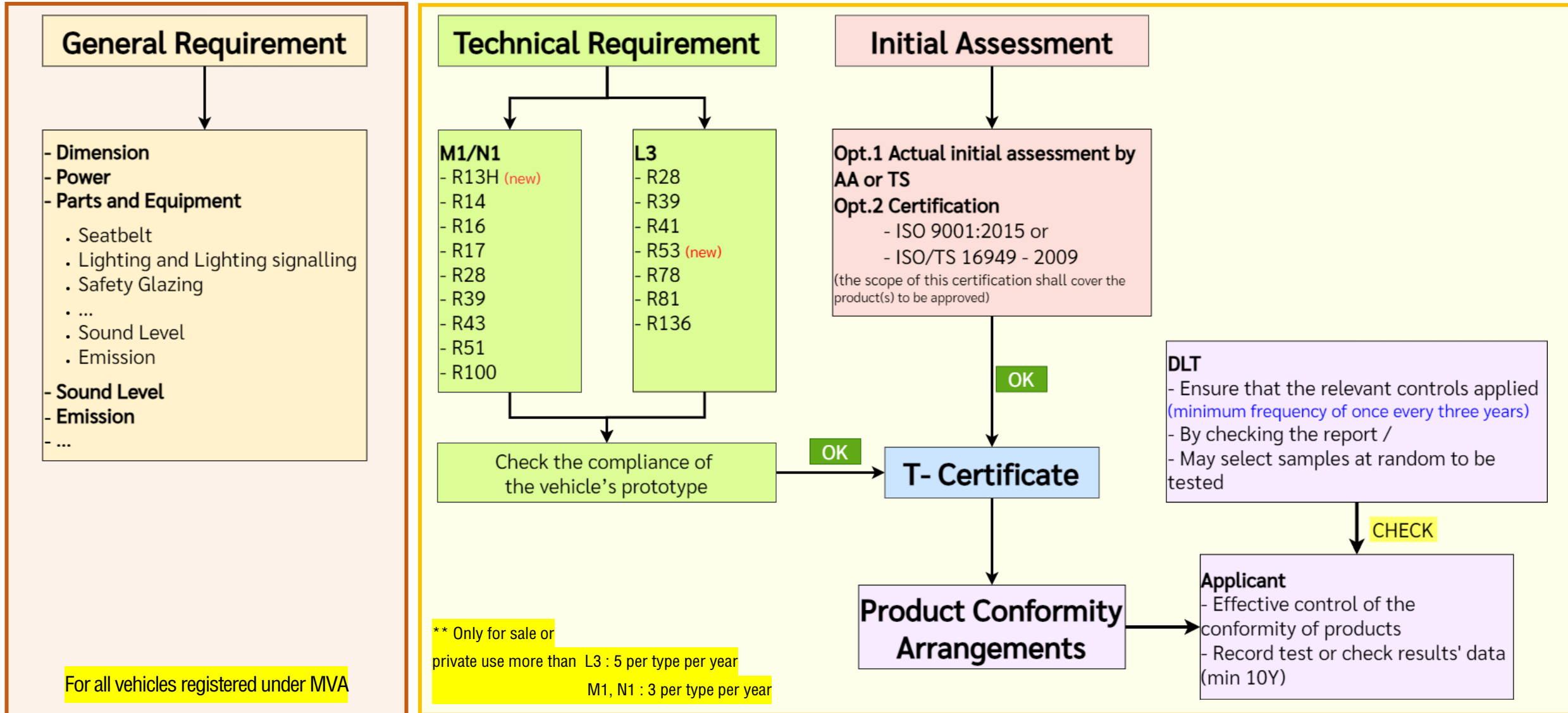
- National standards development
- Product certification : Voluntary and mandatory certification mark
- **Approval Authority**
Type approval of automotive parts and emission standard



Thailand Automotive Institute (TAI)

- Provide relevant information and direction for government
- **Testing service for technical standards (UN , TISI, DLT)**
- Operate The Automotive and Tyre Testing, Research and Innovation Center (ATTRIC)

DLT's Current Type Approval System



DLT's Current National Regulations



Automotive
Engineering
Bureau

DLT



UN R28
Audible warning devices



UN R39.01
Speedometer and Odometer



UN R41
Noise emissions



UN R53
Installation of lighting and light-signaling devices



UN R78
Braking system (CBS / ABS)



UN R81
Rear-view mirrors



UN R136
Electric powertrain



UN R60
Tell-tales and indicators

Enforce 1 Jan 2026

Motor Vehicle Act



UN R13H
Braking system



UN R14
Safety-belt anchorages



UN R16
Safety-belts



UN R17
Strength of seats, their anchorages and head restraints



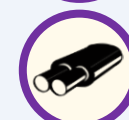
UN R28
Audible warning devices



UN R39.01
Speedometer and Odometer



UN R43
Safety glazing



UN R51
Noise emissions



UN R100
Electric powertrain



UN R3
Retro-reflecting devices



UN R14
Safety-belt anchorages



UN R17 or UN R80
Strength of seats, and their anchorages



UN R43
Safety glazing



UN R100 Part 2
Battery Safety (Only BEV)

Enforce 1 Jan 2026



UN R66
Strength of superstructure



UN R85
Net power



UN R107
Stability



UN R118
Fire resistance of interior materials

Land Transport Act



UN R3
Retro-reflecting devices



UN R43
Safety glazing



UN R55
Mechanical coupling



UN R58
RUPDs



UN R100 Part 2
Battery Safety (Only BEV)

Enforce 1 Jan 2026



UN R73
Lateral protection devices



UN R85
Net power



UN R104
Retro-reflective markings



ISO 3874
Twistlock

L3

M1/N1

Bus

Truck

DLT's Future Enforcement Plan



Automotive
Engineering
Bureau

DLT



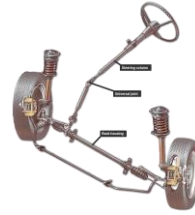
M1, N1



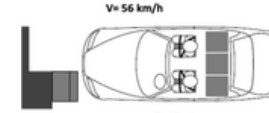
UN R46



UN R48

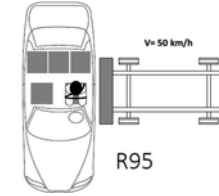


UN R79



R94

UN R94



R95

UN R95



UN R10



L3



UN R10



Truck
& Bus



UN R13



UN R34



UN R46



UN R105

TISI's Current National Regulations



Enforce 25 Aug 2001



TIS 341-2543 Motorcycle exhaust muffler

Enforce 26 Feb 2011



TIS 721-2551 Seat Belts for Automobiles

Enforce 26 Aug 2016



TIS 2602-2556 Safety glazing materials for vehicles

Enforce 21 Jan 2019




TIS 2718-2560 Pneumatic tyres for motor vehicles

Enforce 21 Jan 2019



TIS 2719-2560 Pneumatic tyres for commercial vehicles

Enforce 21 Jan 2019




TIS 2720-2560 Pneumatic tyres for motor cycles and mopeds

Enforce 24 Sep 2019



TIS 2721-2560 Rolling sound emission adhesion on wet surfaces and rolling resistance

Enforce 29 March 2020



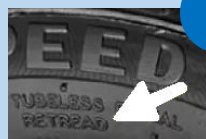
TIS 2915-2561 motorcycles (emission Euro 4)

Enforce 1 June 2021



TIS 683-2562 Inner Tubes for motorcycles and mopeds

Enforce 5 May 2022



TIS 2979-2562 Retreaded pneumatic tyres for commercial vehicles

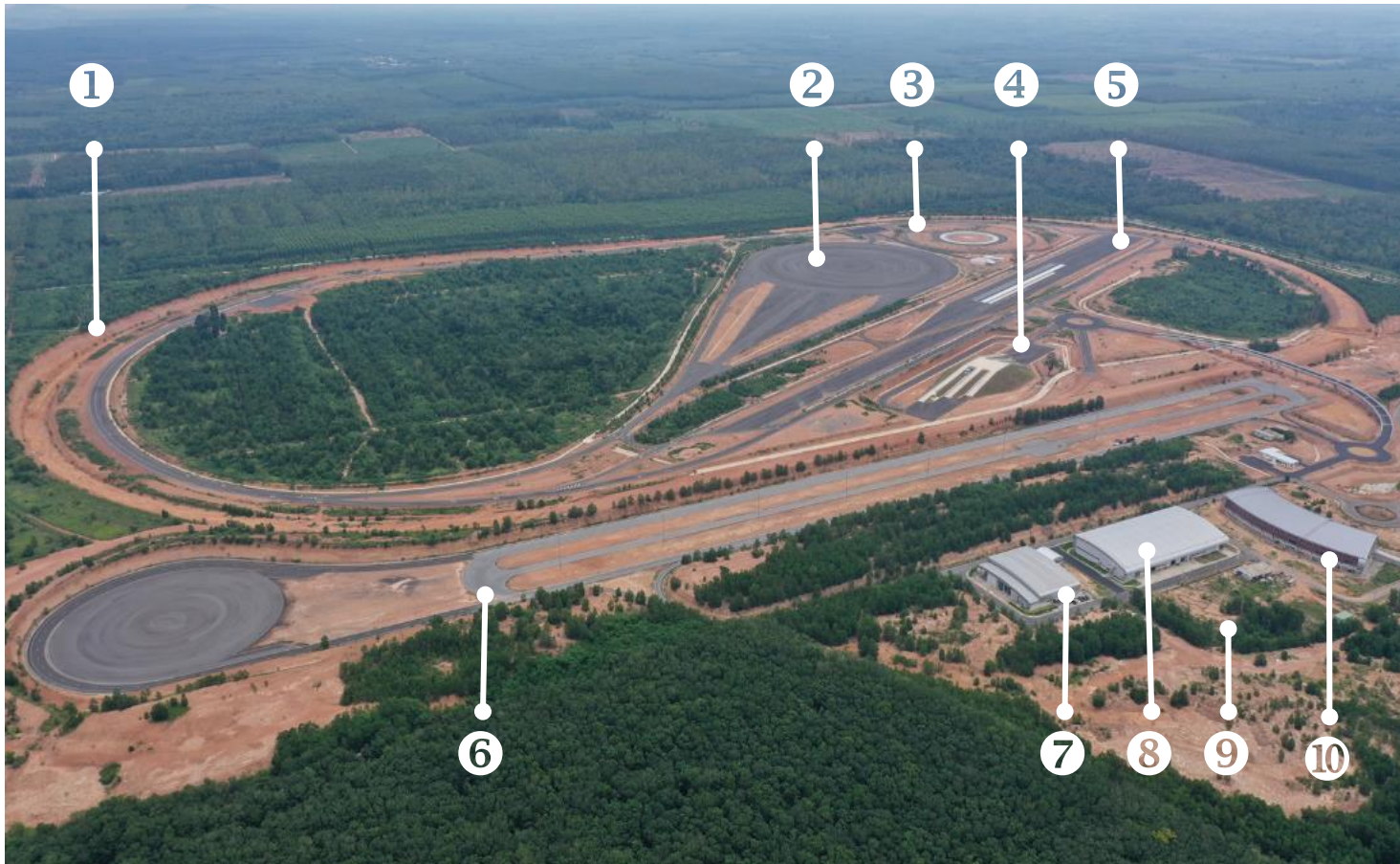
Update of Testing Facilities for ASEAN APMRA

| |
|--|
| Automotive and Tyre Testing, Research and Innovation Center (ATTRIC) |
| UN Regulation No. 13, 13H |
| UN Regulation No. 14 |
| UN Regulation No. 16 |
| UN Regulation No. 17, 25 |
| UN Regulation No. 41, 51 |
| UN Regulation No. 78 |
| UN Regulation No. 79 |
| UN Regulation No. 100 |
| UN Regulation No. 136 |
| UN Regulation No. 117 |

| |
|-------------------------------------|
| Bang poo Testing Center |
| UN Regulation No. 28 (Installation) |
| UN Regulation No. 30 |
| UN Regulation No. 39 |
| UN Regulation No. 40 |
| UN Regulation No. 43 |
| UN Regulation No. 46 |
| UN Regulation No. 49 (EURO III) |
| UN Regulation No. 54 |
| UN Regulation No. 75 |
| UN Regulation No. 83 |

Automotive and Tyre Testing, Research and Innovation Center -- ATTRIC

- Located in Chachoengsao Province (150 km from Bangkok)
- Area : 1,976,000 Square Meters



Test track

- ① High Speed*
- ② Dynamic platform
- ③ Skid Pad
- ④ Park Brake (Hill Test) [UN R13, R13H]
- ⑤ Brake Performance [UN R13, R13H, R78]
- ⑥ Tyre and noise test [UN R117, R41, R51]

Testing laboratory

- ⑦ EV Battery testing [UN R100, R136]
- ⑧ Tyre and automotive part testing [UN R117 (Tyres), UN R13, R13H (Brake), UN R14, R16, R17, R25 (Seats, Safety belts)]
- ⑨ Vehicle crash test building [UN R94, R95]*
- ⑩ Administration building



Thank You

For more information, please contact :

- Vehicle Standard Division, Automotive Engineering Bureau, 3rd floor, Building 6,
- Department of Land Transport, 1032 Phahonyothin Road, Chompon, Chatuchak, Bangkok 10900, THAILAND
- **Email :** vsd@dlt.mail.go.th / vsd.aeb@gmail.com
- **Tel. :** (+66)2 271 8609