



Support for the Development of Vehicle Safety and Environment Regulations In Lao PDR

DEPARTMENT OF TRANSPORT

MINISTRY OF PUBLIC WORKS AND TRANSPORT, LAO PDR

Main Topics

1. Existing Safety & Environment regulations
2. Newest Regulations
3. Certification System on Technical Requirement in Lao PDR
4. Challenges
5. Roadmap

Existing Vehicle Safety and Environment Regulations

1. Road Traffic Law (Amen) 2012

Article No: 35 (Amen) Vehicle Safety and Technical Requirement

All Vehicles must comply with International safety Regulations and equivalent

2. Minister's Circular on Vehicle Technical Requirement issued No: 4312/MPTCP
15 July 2001

3. Prime Minister Decree on National Environment Standard No: 81/PM, 21 Feb
2017 (Ministry of Natural Resource and environment)









4. Fuel Standard 2017 (Ministry of Science and Technology)

5. National Road Safety Strategy (MPWT) 2020

Existing Vehicle Safety and Environment Regulations (cont')

National Road Safety Strategy

12 road safety targets to support UN Sustainable Development Goals

<p>TARGET 1 2020</p>  <p>Target 1: By 2020, all countries establish a comprehensive multisectoral national road safety action plan with time-bound targets.</p>	<p>TARGET 2 2030</p>  <p>Target 2: By 2030, all countries accede to one or more of the core road safety-related UN legal instruments.</p>	<p>TARGET 3 2030</p>  <p>Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.</p>	<p>TARGET 4 2030</p>  <p>Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.</p>
<p>TARGET 5 2030</p>  <p>Target 5: By 2030, 100% of new (defined as produced, sold or imported) and used vehicles meet high quality safety standards, such as the recommended priority UN Regulations, Global Technical Regulations, or equivalent recognized national performance requirements.</p>	<p>TARGET 6 2030</p>  <p>Target 6: By 2030, halve the proportion of vehicles travelling over the posted speed limit and achieve a reduction in speed-related injuries and fatalities.</p>	<p>TARGET 7 2030</p>  <p>Target 7: By 2030, increase the proportion of motorcycle riders correctly using standard helmets to close to 100%.</p>	<p>TARGET 8 2030</p>  <p>Target 8: By 2030, increase the proportion of motor vehicle occupants using safety belts or standard child restraint systems to close to 100%.</p>
<p>TARGET 9 2030</p>  <p>Target 9: By 2030, halve the number of road traffic injuries and fatalities related to drivers using alcohol, and/or achieve a reduction in those related to other psychoactive substances.</p>	<p>TARGET 10 2030</p>  <p>Target 10: By 2030, all countries have national laws to restrict or prohibit the use of mobile phones while driving.</p>	<p>TARGET 11 2030</p>  <p>Target 11: By 2030, all countries to enact regulation for driving time and rest periods for professional drivers, and/or accede to international/regional regulation in this area.</p>	<p>TARGET 12 2030</p>  <p>Target 12: By 2030, all countries establish and achieve national targets in order to minimize the time interval between road traffic crash and the provision of first professional emergency care.</p>

These 12 targets were prepared collaboratively through United Nations auspices

They have helped inform strategy development in Laos

Existing Vehicle Safety and Environment Regulations (cont')

Based on the voluntary performance targets prepared by the United Nations

Final Safety Outcome	2015-18 Baseline	2030 Target
Number of fatalities	1040	< 520
Rate of fatalities per 100,000 population		
Number of serious injuries		
Number of motorcycle fatalities		

Intermediate Safety Outcome	2030 Target
Vehicles exceeding the posted speed limit	Less than 25%
Adult motor vehicle occupants correctly using seatbelts	At least 95%
Motorcycle riders correctly using helmets	At least 95%
Drivers testing above the legal alcohol limit	Less than 0.1%
iRAP safety star rating for Asian Highway network	At least 3 star
Travel on main urban roads that meet a three-star safety ratings or better	> 75%
New motor vehicles meet at least 7 of the 8 priority UN vehicle safety standards	100%
Time between crash and first professional emergency care	metric to be developed

Existing Vehicle Safety and Environment Regulations (cont')

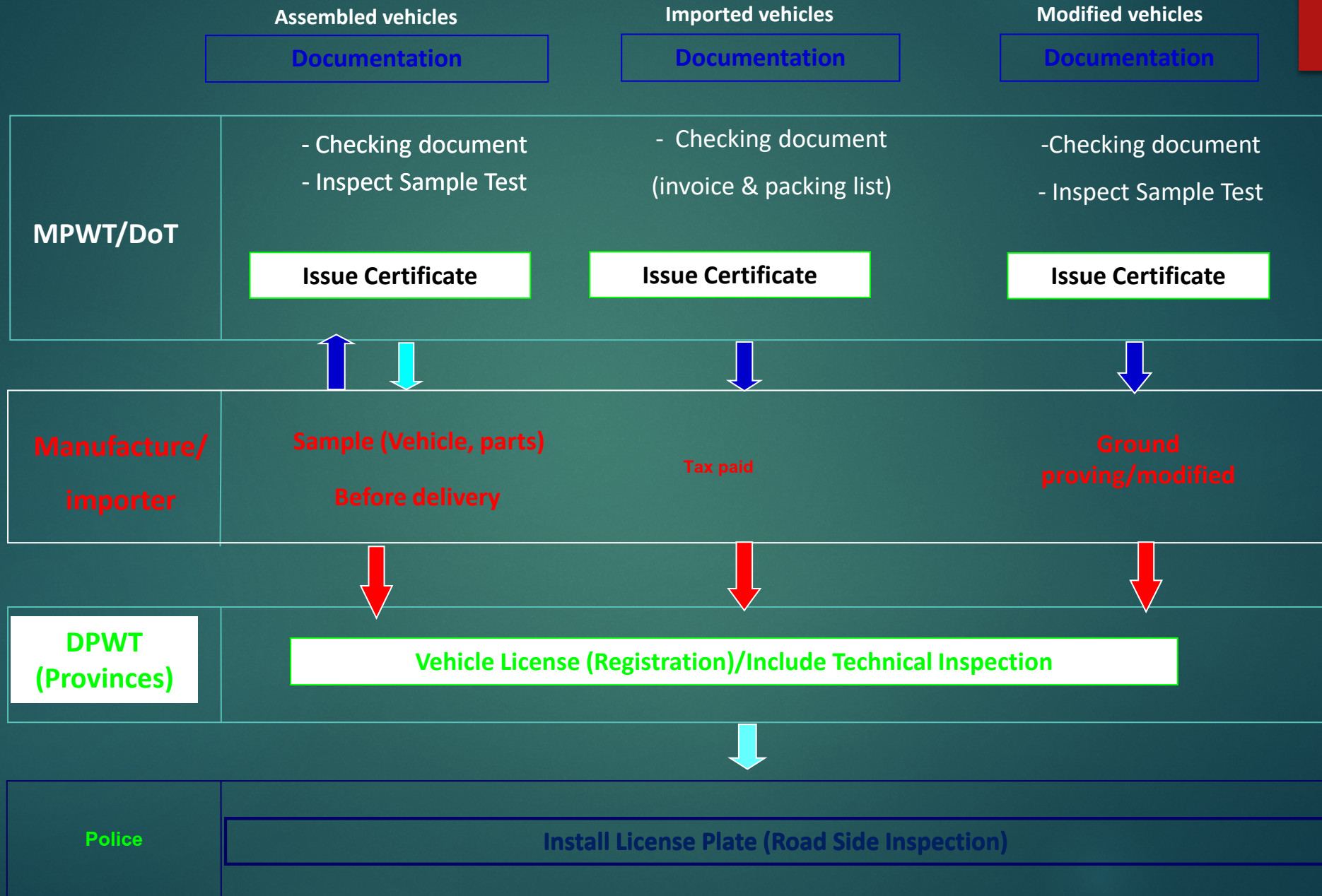
8 Strategic Direction and Action Plan of NRS Lao PDR

1. Promote the safe system Approach
2. Strengthen road safety Governance & Leadership
3. Upgrade data, Monitoring and Evaluation System
4. Tackle Motorcycle safety
5. Sustain Rider/driver Enforcement and campaign
6. Regulate Vehicle Safety Technology
7. Demonstrate and rollout safe road environments
8. Invest in post-crash response

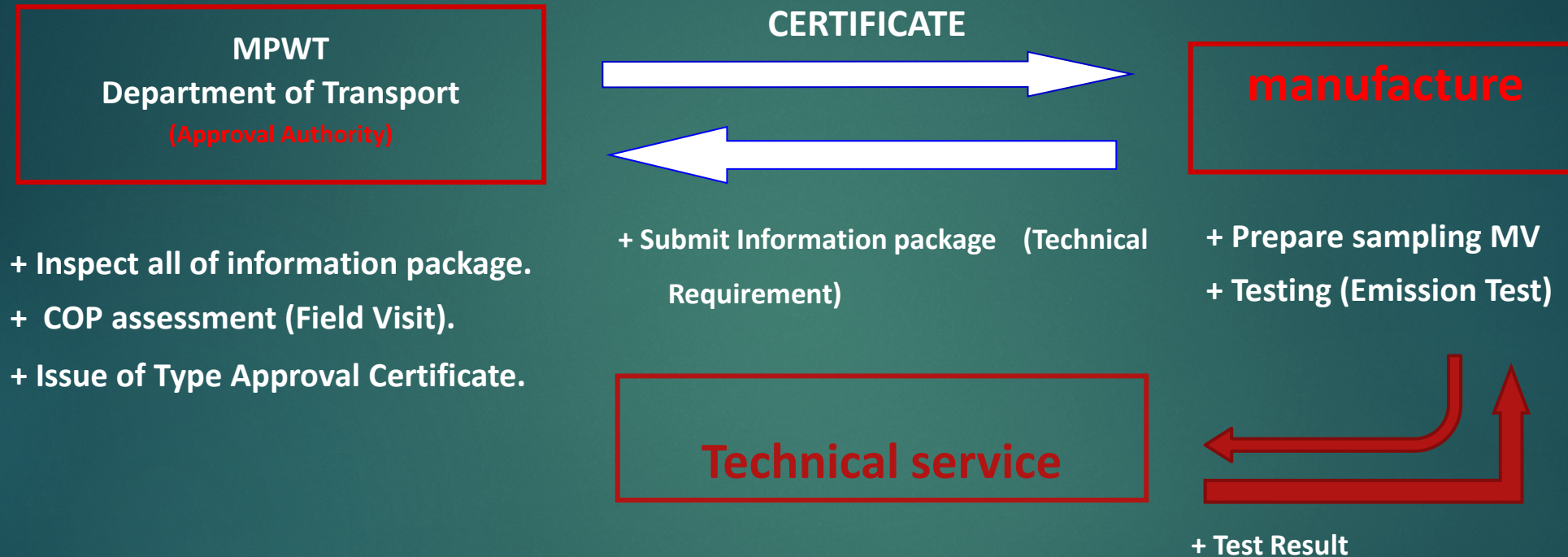
Newest Regulations and Policy

1. Motor Vehicle Law (Dec 2021)
2. Decree on Road Traffic Rule issued No: 619/GOL, Dated 9 Dec 2020
3. Decree on Road Traffic Punishments issued No:568/GOL, Dated 16 Sep 2021
4. The Government's Conclusion on Electric Vehicle Promotion in Lao PDR issue No: 08/GOL Dated 4 Oct 2021.
5. Minister's Circular on Electric Vehicle Safety Standard issued no 702/PWT, Dated 12 Nov 2021.

Current Process Certification System on Technical Requirement



New Process of Certification System on Technical Requirement



Note: The current system of imported vehicle is base on paper work and mission test is not yet required by regulation.

Challenges

1. The existing vehicle safety regulations need to be improved.
2. Modify motor vehicle classification to align with UN regulation.
3. Human resource and technical support regarding the Vehicle Safety and Vehicle Type Approval System is urgent to be established.
4. Limitation of government's budgeting

Roadmaps

1. **Finalized new Regulation to managing inspection center in the Nationwide 2022**
2. **Adoption UN Regulation under ASEAN MRAs (2022) and Develop New Regulation for EV**
 - **Breaking R13and R13H**
 - **Exhaust Emission R40, R49 and R83**
 - **Tire R54 and R75**
 - **Speedometer R39**
 - **EV = Charge port: Type 2 & CCS 2, Battery Safety UN 100, Electric Shock Protection UN 12/94/95/137**
3. **Development New Vehicle Type Approval Systems 2022 and COP system**