



Overall Component
Durability Testing

Polymer Based
Components

Product
Packaging

Development on Vehicle Safety Regulation in Lao PDR

Division of Motor Vehicle
Department of Transport
Ministry of Public Works and Transport



Wheels

On Vehicle Winter Testing

Tire



Contents

1. Legals
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3. Technical Requirement for vehicle safety
4. Way forwards



Legals

1. Law of Motor Vehicle issued No: 04/NA, 16 Nov 2021
2. Decree on Road Traffic Rule issued No: 619/GOL, Dated 9 Dec 2020
2. Decree of Motor Vehicle Business in Lao PDR No:470/GOL, 27 Dec 2019
3. Resolution on Electric Vehicle Promotion in Lao PDR No:08/GOL, 4 Oct 2021
4. ASEAN MRA on Automotive Product

Progress on Development of Vehicle Safety Regulation

1. Motor Vehicle Dissemination Meeting on 2-3 Feb 2023 ທີ່ ແຂວງຫຼວງພະບາງ

200 Participants

- Northern Provinces: Phongsaly, Borkeo, Luangnumtha, Oudomxay, Luangprabang, Xayabuly
- 15 Public Sectors ແລະ Transport Operations, Dealers and Manufactures



Progress on Development of Vehicle Safety Regulation

2. Public Hearing on Draft Minister Circular of Vehicle Safety Regulation 3 times (Nationwide)

3. Training of Trainer of Vehicle inspection (ICE & EV)

250 Participants

- All Public Sectors
- Vehicle Registration Centers (Nationwide)
- Dealers, Manufacturing and Private inspection operators



Progress on Development of Vehicle Safety Regulation

4. Public Hearing on Draft of Minister circular Inspection Regulation and Inspection Guideline 2-3 Nov 2023

150 Participants

- Vehicle Registration center (nationwide)
- Vehicle Inspection operators



ក្រសួងសុខាភិបាល
អគ្គនាយកដ្ឋានបច្ចេកទេសយានយន្ត
អគ្គនាយកដ្ឋានរ៉ាប់រង

វេទនាសាធារណៈ
ការអង្កេតសាធារណៈលើគម្រោងក្របខណ្ឌបច្ចេកទេស និងប្រតិបត្តិការ រ៉ាប់រងសម្រាប់ការត្រួតពិនិត្យយានយន្ត

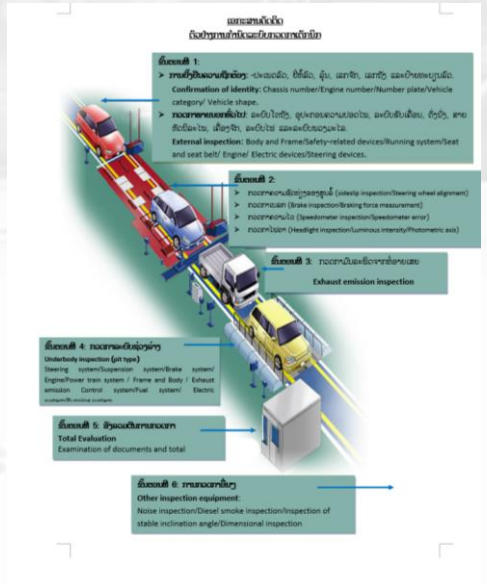
ឯកសារយោង:

- វិញ្ញាបនបត្របច្ចេកទេសយានយន្ត ឆ្នាំ ២០១៤ និង ២០២១
- វិញ្ញាបនបត្របច្ចេកទេសយានយន្ត ឆ្នាំ ២០២១ និង ២០២២
- វិញ្ញាបនបត្របច្ចេកទេសយានយន្ត ឆ្នាំ ២០២២ និង ២០២៣
- វិញ្ញាបនបត្របច្ចេកទេសយានយន្ត ឆ្នាំ ២០២៣ និង ២០២៤

ក្រសួងសុខាភិបាល
អគ្គនាយកដ្ឋានបច្ចេកទេសយានយន្ត
អគ្គនាយកដ្ឋានរ៉ាប់រង

ឯកសារយោង:

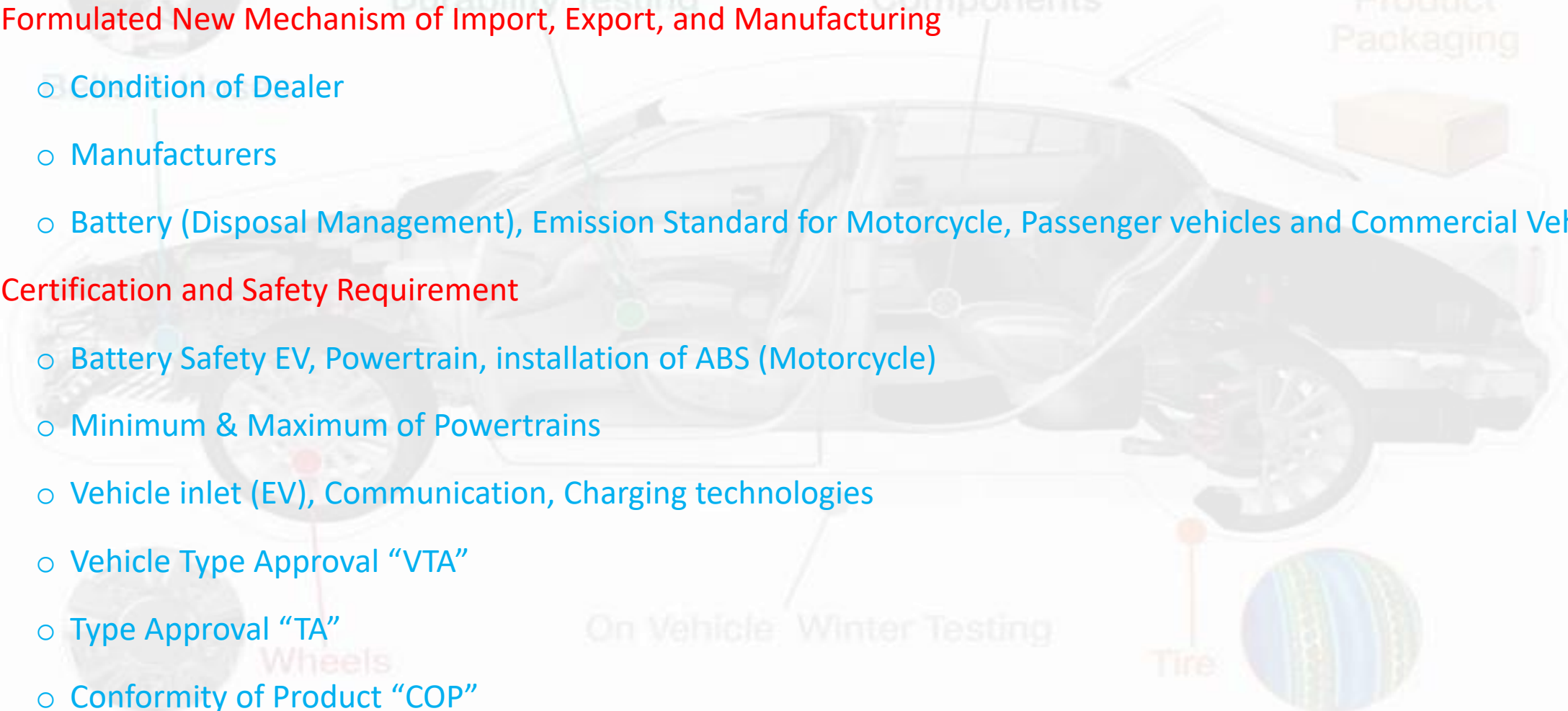
- 1. គណនីបញ្ជីប្រតិបត្តិការ (CO) យានយន្ត ប្រភេទ ២ និង ២០២១ រ៉ាប់រងសម្រាប់ការត្រួតពិនិត្យយានយន្ត
- 2. គណនីបញ្ជីប្រតិបត្តិការ (CO) យានយន្ត ប្រភេទ ២ និង ២០២១ រ៉ាប់រងសម្រាប់ការត្រួតពិនិត្យយានយន្ត



ឆ្នាំ	ចំនួនយានយន្ត ត្រូវត្រួតពិនិត្យ 1 ថ្ងៃ	ចំនួនគ្រឿង ត្រូវត្រួតពិនិត្យ	ចំនួនបុគ្គលិក ត្រូវត្រួតពិនិត្យ	កម្រិតប្រតិបត្តិការ ត្រូវត្រួតពិនិត្យ
1	5.000 - 10.000	1	1	1500 - 2000 ម៉ែត្រ
2	10.000 - 25.000	2	2	2000 - 3500 ម៉ែត្រ
3	35.000 តិចជាង	2 តិចជាង	1 តិចជាង	6000 ម៉ែត្រ

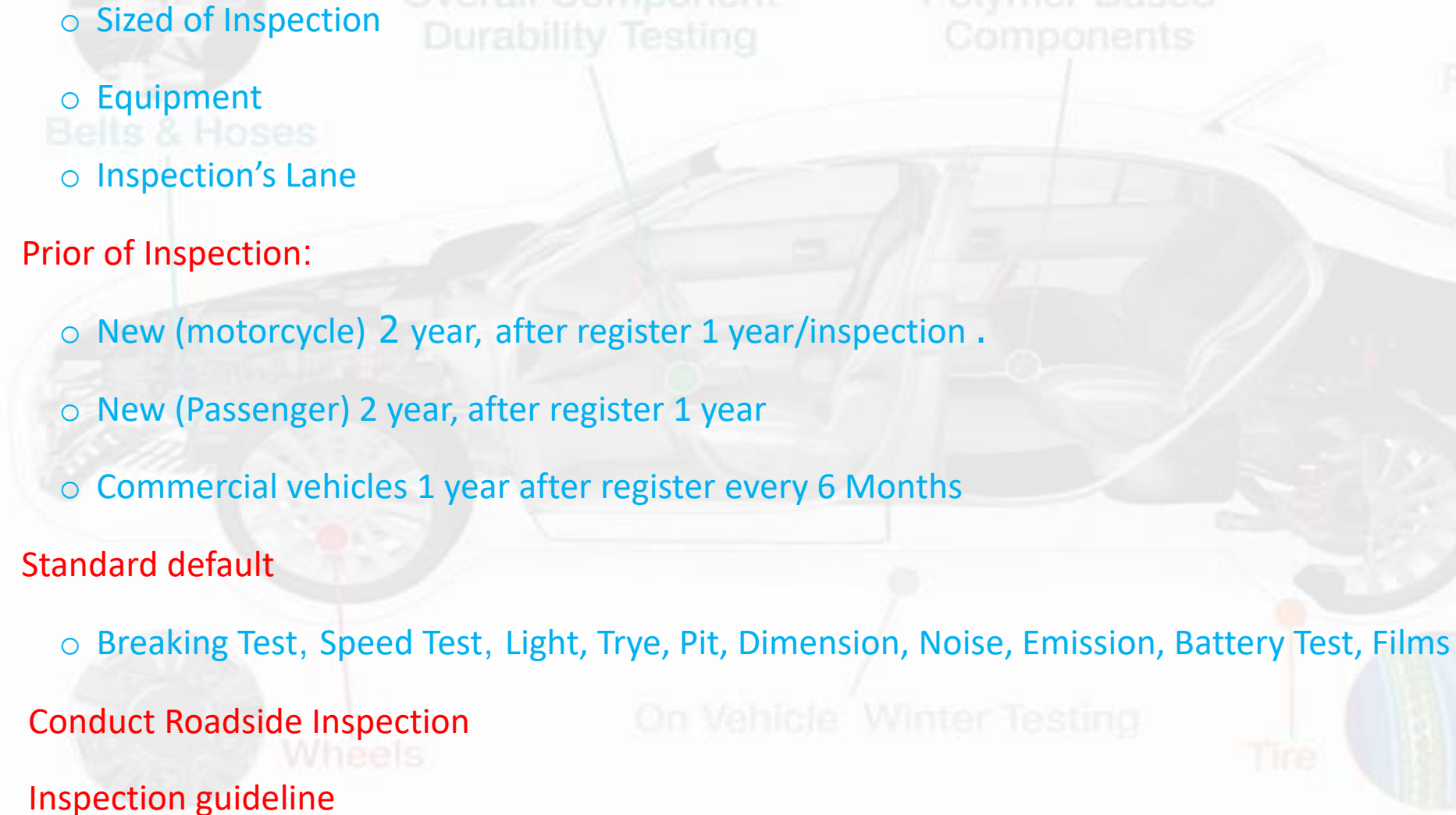
Progress on Development of Vehicle Safety Regulation

2. Draft of Minister Circular on Vehicle Safety

- Formulated New Mechanism of Import, Export, and Manufacturing
 - Condition of Dealer
 - Manufacturers
 - Battery (Disposal Management), Emission Standard for Motorcycle, Passenger vehicles and Commercial Vehicles
 - Certification and Safety Requirement
 - Battery Safety EV, Powertrain, installation of ABS (Motorcycle)
 - Minimum & Maximum of Powertrains
 - Vehicle inlet (EV), Communication, Charging technologies
 - Vehicle Type Approval “VTA”
 - Type Approval “TA”
 - Conformity of Product “COP”
- 

Progress on Development of Vehicle Safety Regulation

3. Draft Minister circular on Vehicle Inspection

- Sized of Inspection
 - Equipment
 - Belts & Hoses
 - Inspection's Lane
 - **Prior of Inspection:**
 - New (motorcycle) 2 year, after register 1 year/inspection .
 - New (Passenger) 2 year, after register 1 year
 - Commercial vehicles 1 year after register every 6 Months
 - **Standard default**
 - Breaking Test, Speed Test, Light, Trye, Pit, Dimension, Noise, Emission, Battery Test, Films
 - **Conduct Roadside Inspection**
 - **Inspection guideline**
- 

Future Import Procedure

Import Procedure

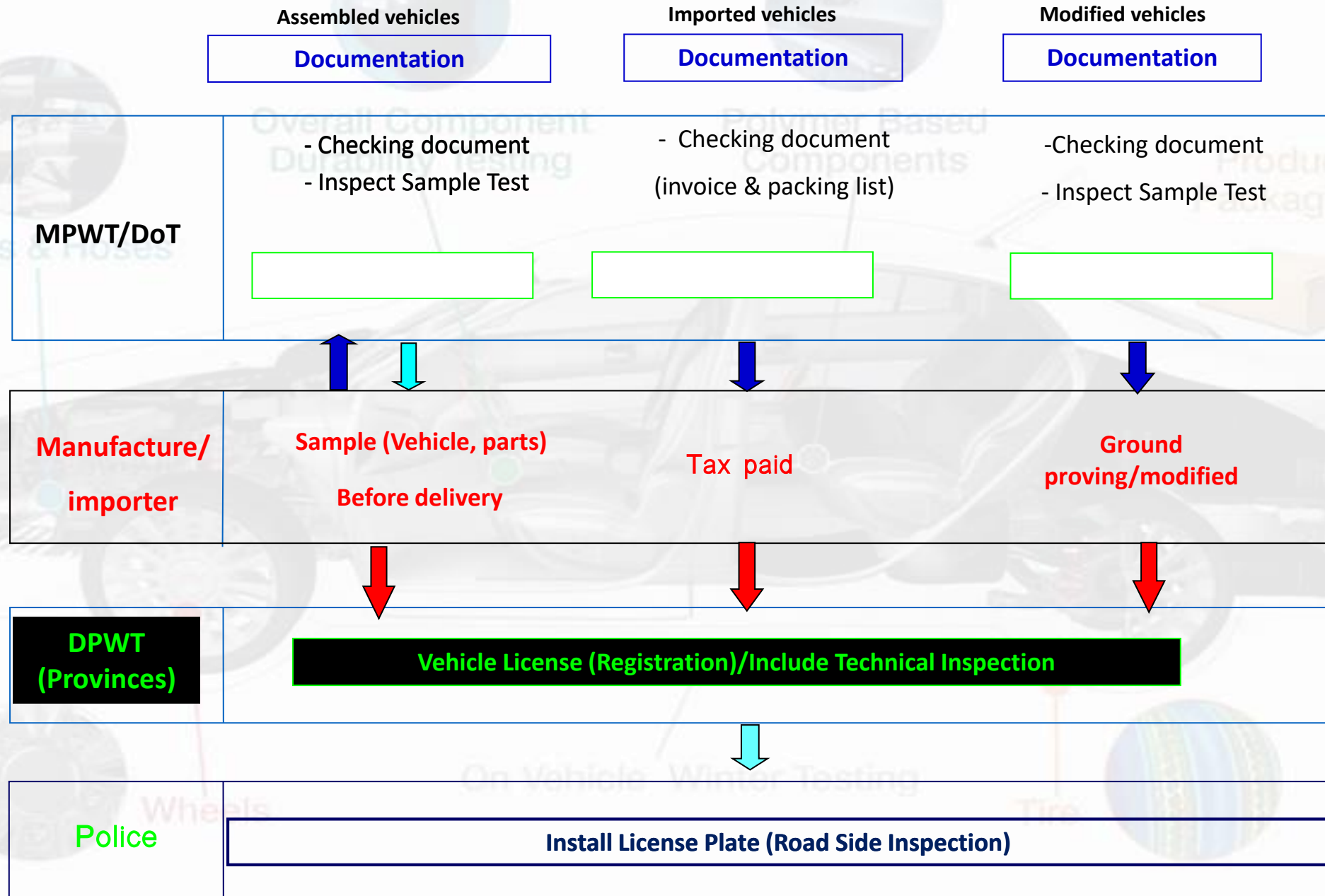
Current



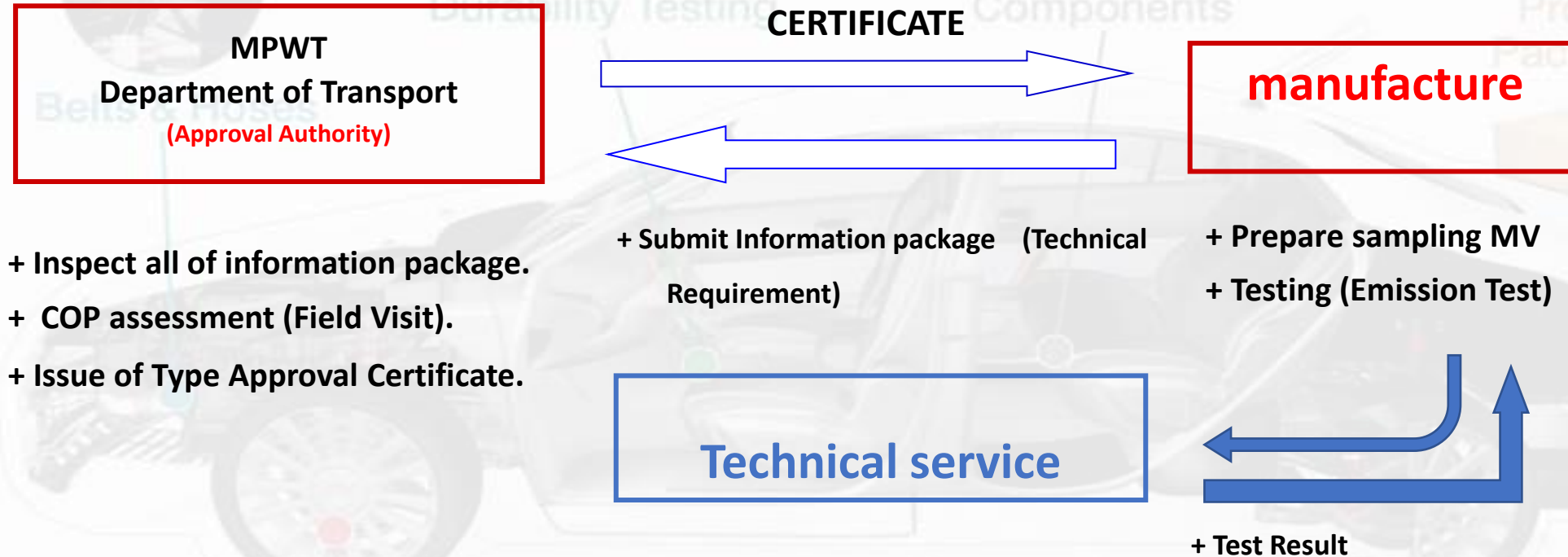
Future



Current Process Certification System on Technical Requirement



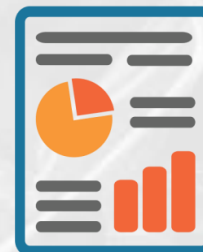
New Process of Certification System on Technical Requirement



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

Progress on APMRA

No	ຊື່ລາຍການຊັ້ນສ່ວນ ແລະ ລະຫັດ UN	Regulation
1	ລະບົບຫ້າມລີ້ (ລົດຈັກ 2, 3 ແລະ 4 ລີ້) Breaking System (L)	R13
2	ລະບົບຫ້າມລີ້ (ລົດເບົາ) Breaking System (Passenger Car)	R13H
3	ເບາະນັ່ງ Seats	R17
4	ໝອນຮອງຫົວ Head Restraints	R25
5	ອຸປະກອນສຽງເຕືອນຕ່າງໆ Audible Warning Device	R28
6	ໜ່ວຍວັດຄວາມໄວ Speedometer	R39
7	ການປ່ອຍສຽງ (ລົດຈັກ 2 , 3 ແລະ 4 ລີ້) Noise Emission (L)	R41
8	ກະຈົກສ່ອງຫຼັງ Rear View Mirror	R46
9	ການປ່ອຍສຽງ (ລົດເບົາ) Noise Emission Passenger	R51
10	ອຸປະກອນບັງຂັບລົດ Steering Equipment	R79



Progress on APMRA

1. Formulate and adoption UN to Homologation
Phase 1 from 2024-2025 (after ratification)



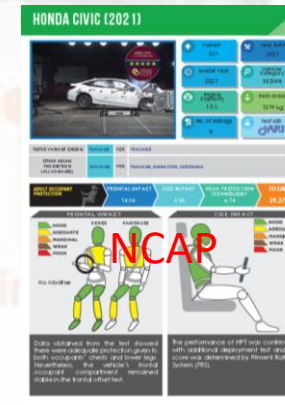
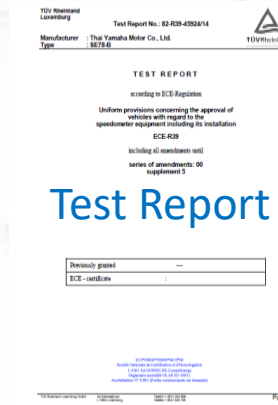
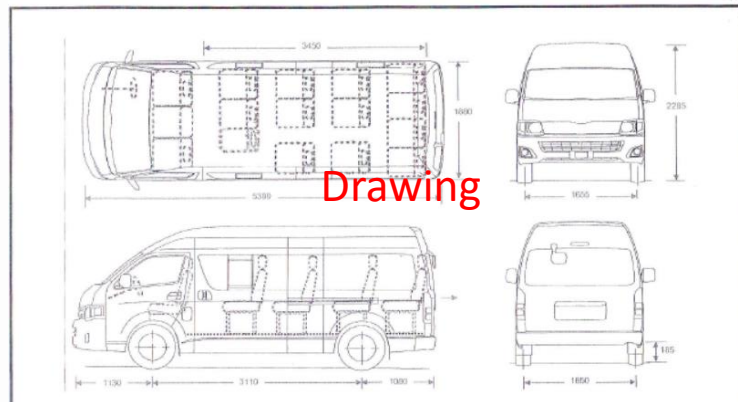
Regulation	Description	Roadmap
UN R13 & R13H	Breaking ລະບົບຫ້າມລີ້	2024-2025
UN R40, R49 & R83	Exhaust Emission ການປ່ອຍມົນລະພິດ	2024-2025
UN R45 & R75	Tire ຢາງລໍ້ລິດ	2024
UN R39	Speedometer ໜ່ວຍວັດຄວາມໄວ	2024
UN R100, R136	Battery Safety ຄວາມປອດໄພຂອງໜັ່ໄຟ	2024
UN R12/94/95/137	Electric Shock Protection ປ້ອງກັນໄຟຟ້າຊໍ່ອອດ	2024-2025

Future Import Procedure and Technical Requirement

CBU

Authorized Dealer ត្រូវ:

1. Submit (Drawing) to DOT, MPWT Before 4-6 Months
2. Submit Technical Document
 - Test Report
 - Test Certificate (APMRA)
 - NCAP (Passenger Vehicle), Emission

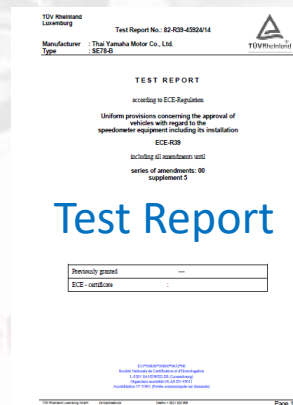


Future Import Procedure and Technical Requirement

CKD, IKD

Manufacturers

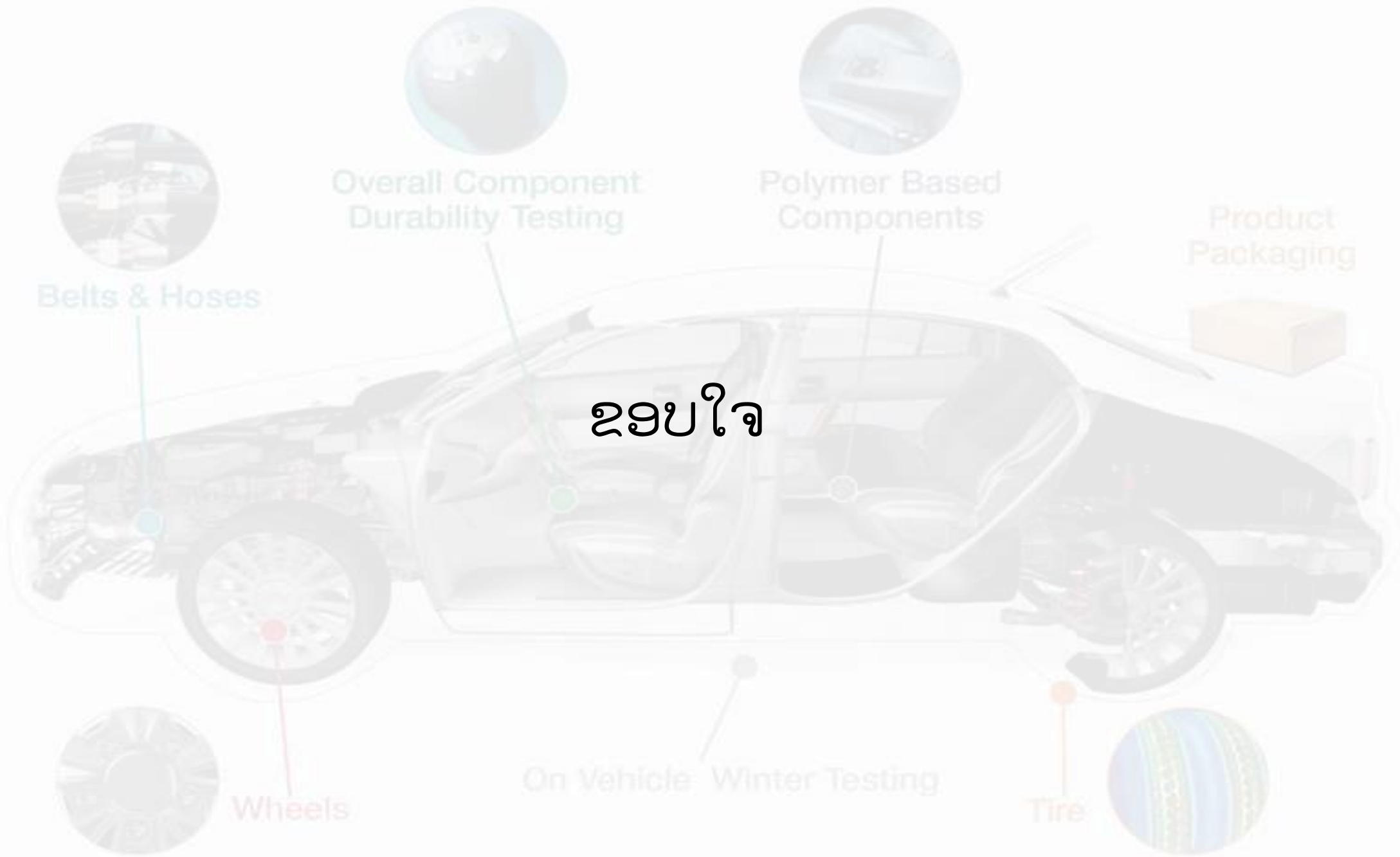
1. Submit (Drawing) to DOT MPWT before 4-6 Months
2. Submit Technical Document
 - Test Report
 - Test Certificate



Way Forward

1. Finalize the regulation draft Vehicle Safety, Inspection and Registration
2. Consultation Meeting with Lao Automotive Association on “Technical Service”
3. Finalized the UN Regulations (MRA 10) in 2024 and MRA 9 in 2025 ແລະ 2026
4. Conducting Conformity of Product “COP” in 2025





Belts & Hoses

Overall Component Durability Testing

Polymer Based Components

Product Packaging

ຂອບໃຈ

On Vehicle Winter Testing

Tire

Wheels