10th Public and Private Joint Forum in Asian Region

Country Report :

Process of developing measures related to Vehicle Safety and Environmental Protection; National rulemaking procedures and implementation of established UN Regulations into national law.

MOTOR VEHICLE REGULATIONS & TYPE APPROVAL SYSTEM IN MALAYSIA

Automotive Engineering Division
ROAD TRANSPORTDEPARTMENT (JPJ)
MALAYSIA

Introduction

MINISTRY OF TRANSPORT

MOT

LAND & LOGISTIC DIVISION

AVIATION DIVISION

MARITIME DIVISION

ROAD TRANSPORT DEPARTMENT (JPJ)

Regulator or Approval Authority for regulate the technical specification of motor vehicle**,** enforcement body on motor vehicle & driver and registration of motor vehicle & driver

ROAD SAFETY DEPARTMENT (JKJR)

Leader in road safety advocacy to increase **the awareness of road users** on the importance of road safety and ultimately reduce deaths and injuries caused by road traffic crashes.

MALASIAN INSTITUTE OF ROAD SAFETY RESEARCH (MIROS)

conduct comprehensive research on road safety, and to provide general directions for activities in respect of road safety research

Involvement under WP29

United Nations

MALAYSIA join WP29 on 4th April 2006

Agreement 1958
(UN Regulations (UNR)

Agreement 1998
(UN Global Technical Regulations (GTR)

In ASEAN Region:

- **Malaysia**
- **Thailand**

JPJ - HQ Office in Putrajaya

Involvement under WP29

OBJECTIVE (vehicle regulations aspect)

fatalities index

To reduce the road casualties and fatalities index

Vehicle Safety

To increase the safety features, quality, performance of motor vehicle and its component / system

UN Regulation

To implement the UN Regulatory & **adapt the WP29** framework

UNECE

ITC

WP29

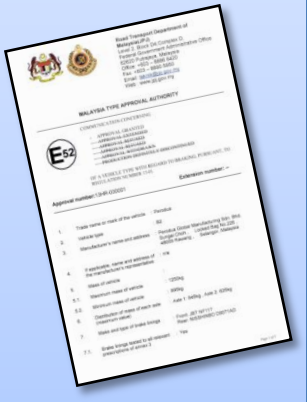
6 GRs

VTA Procedure

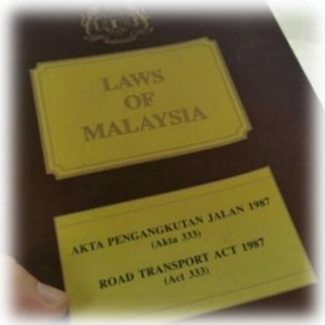
To establish the comprehensive **Vehicle Type Approval (VTA) Procedure**

UNR Certification

To promote and inculcate vehicle safety concept through **E52 UNR certification**



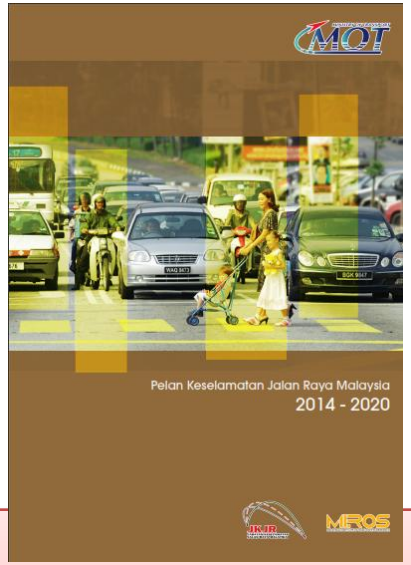
MOTOR VEHICLE REGULATIONS & TYPE APPROVAL SYSTEM



Road Transport Act 1987

Road Transport Rules

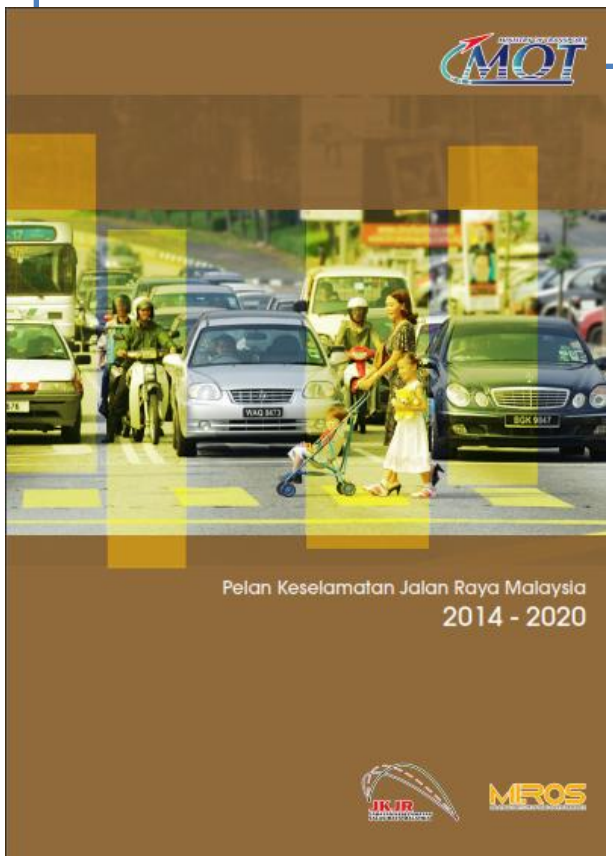
ROAD SAFETY PLAN OF MALAYSIA 2014-2020



ultimately **reduce deaths and injuries** caused by road traffic crashes

MOTOR VEHICLE REGULATIONS & TYPE APPROVAL SYSTEM

Road Safety Plan of Malaysia 2014-2020



Formulation of Plan – by the Ministry of Transport through Road Safety Department & Malaysian Institute of Road Safety Research (MIROS)

As part of Government's initiatives under the **'United Nations Decade of Action for Road Safety 2011- 2020`**

Developed, since 2011 **through series of consultations and workshops** with all Stakeholders

To address issues related to road safety in the country. This plan is designed to achieve a set of outcomes through **holistic approach and effective implementation** of a comprehensive set of strategies

MOTOR VEHICLE REGULATIONS & TYPE APPROVAL SYSTEM

Road Safety Plan of Malaysia 2014-2020

To reduce the **projected fatalities** due to road accidents in 2020 by **50%** (from 10,716 fatalities to **5,358**)

- Road Safety Management

- Safer road User

- Safer Vehicle

- Safer Mobility & Road

- Post-Accident Management

Implementation Agencies

MINISTRY OF TRANSPORT MOT

JKJR JABATAN KESELAMATAN JALAN RAYA MALAYSIA

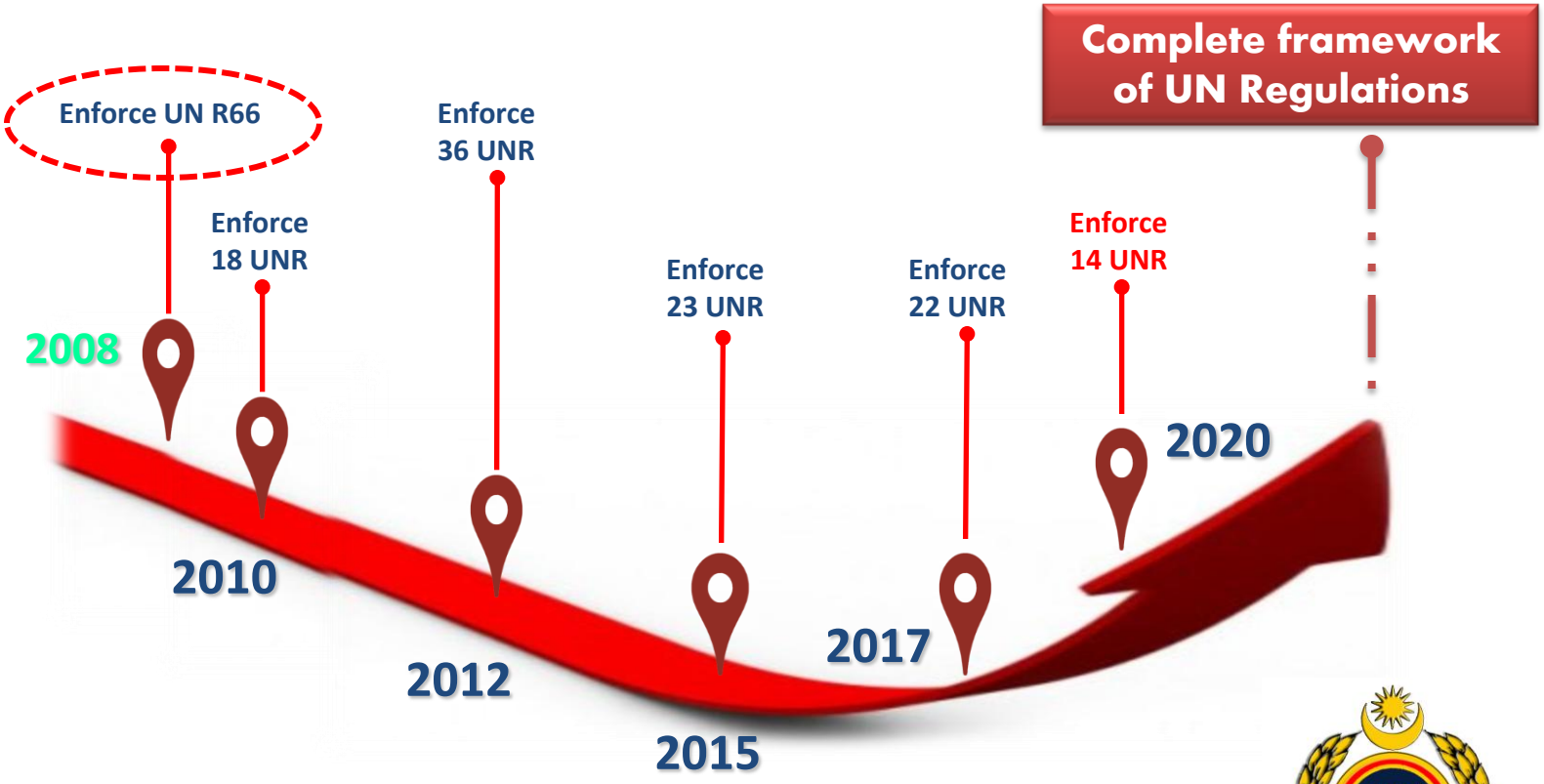
JPJ JABATAN PENGANGKUTAN JALAN MALAYSIA

MIROS MALAYSIAN INSTITUTE OF ROAD SAFETY RESEARCH

ASEAN ROAD SAFETY CENTRE

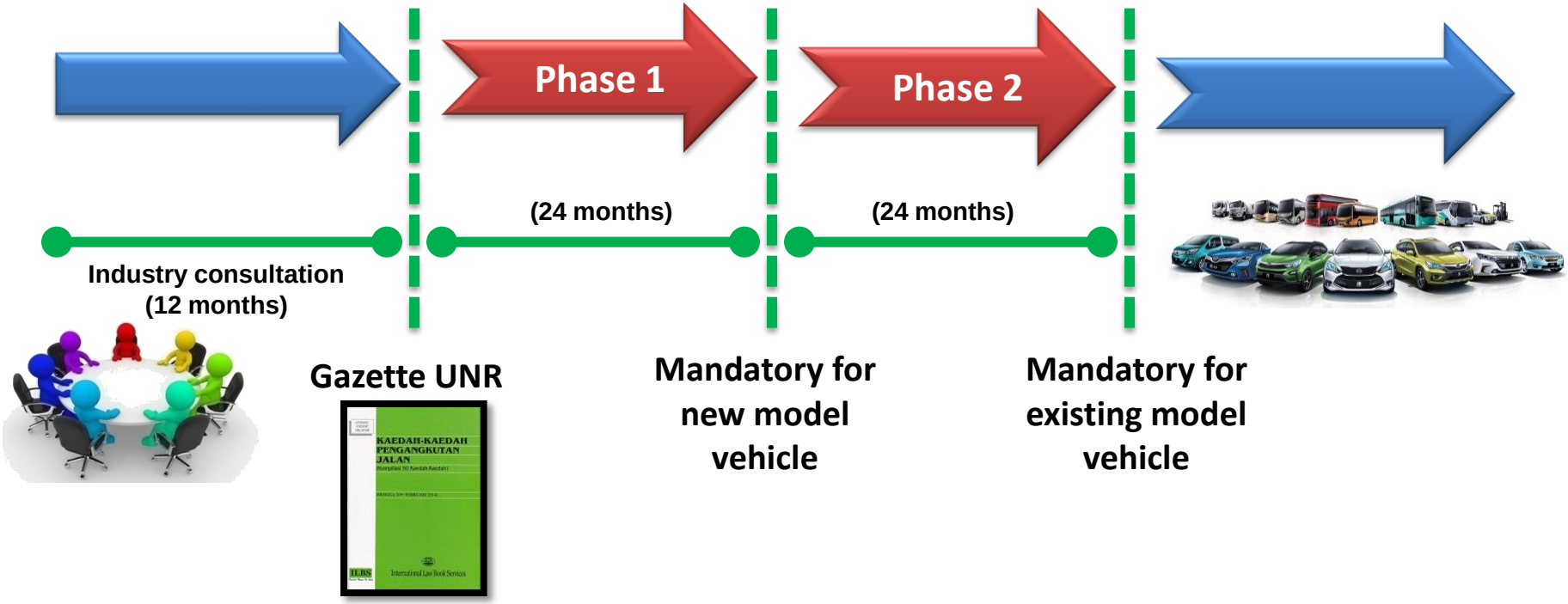
MOTOR VEHICLE REGULATIONS & TYPE APPROVAL SYSTEM

UN Regulations Roadmap in Malaysia 2010 - 2020



MOTOR VEHICLE REGULATIONS & TYPE APPROVAL SYSTEM

- Implement through **Vehicle Type Approval (VTA) system** – involve new vehicle;
- Roadmap is based on **mutual domestic consultation** with automotive industry;
- Apply concept **2+2 years of preparatory and readiness period** for automotive industry.



Overview Vehicle Type Approval System (VTA)

- **Type Approval** is **approval granted to a product or system** that meets a minimum set of regulatory, technical and safety requirements.

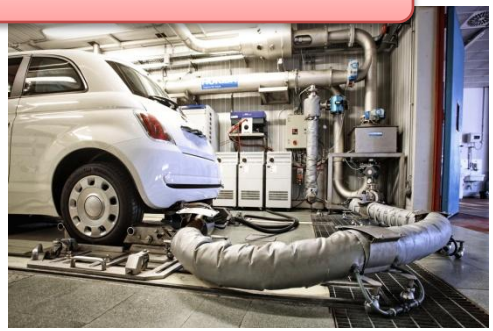
Increase Vehicle Safety

Road-worthiness

Crash-worthiness

Reduce Pollution

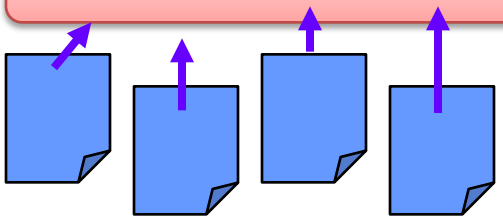
Exhaust Emission



Noise

Overview Vehicle Type Approval System (VTA)

Vehicle Manufacturer

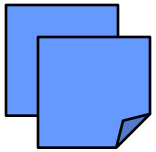


VTA Application

JPJ Inspection

i. Document Verification
ii. Physical Inspection
iii. Road Worthiness Test

Inspection Report



A **package of standards/Rules/Act** Listed in VTA Application form

Compliance of UN Regulations or Malaysian Standards (MS)

VTA Committee

VTA Certification

Overview Vehicle Type Approval System (VTA)

Component Type Approval

System Type Approval

MS or UNR Certification and/or Test report

General Requirement

Road Transport Act & Rules

Vehicle Type Approval (VTA)

VTA Certification

Monitoring Mechanism

- ❑ VTA CoP
- ❑ Product Labeling

Overview Vehicle Type Approval System (VTA)

Component & System Type Approval

product compliance (including **System Approval**) with specified standards or regulations (Malaysian Standards/UN Regulations) are gazette under Road Transport Rules.

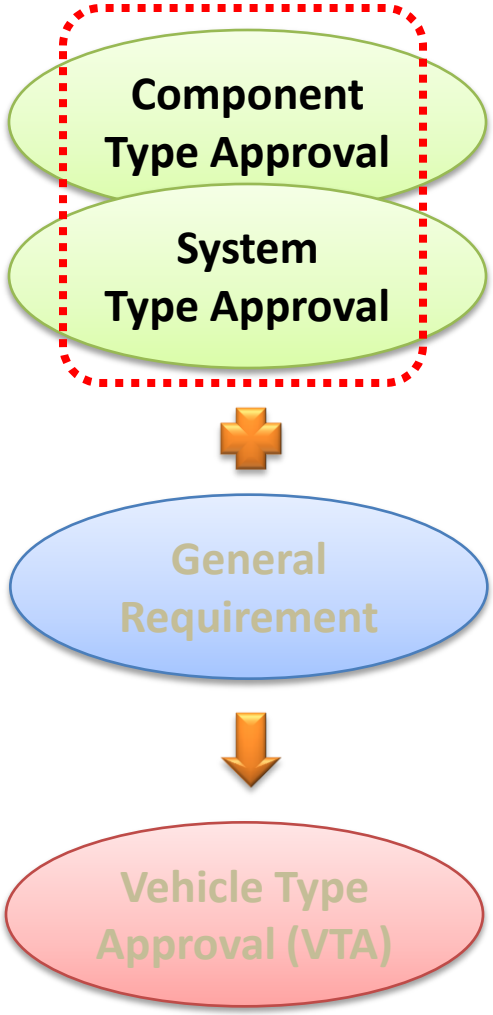
tyre

Safety Glazing Material

Rear View Mirror

Seat Belt

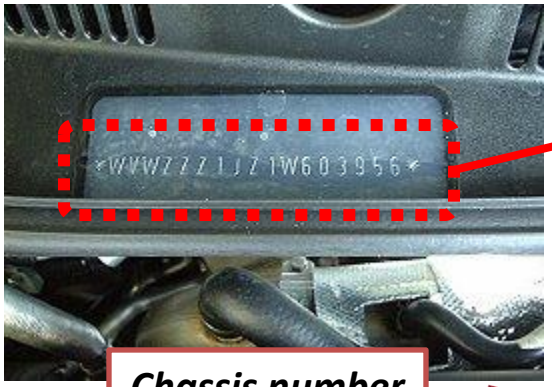
Lamp



Overview Vehicle Type Approval System (VTA)

General Requirements

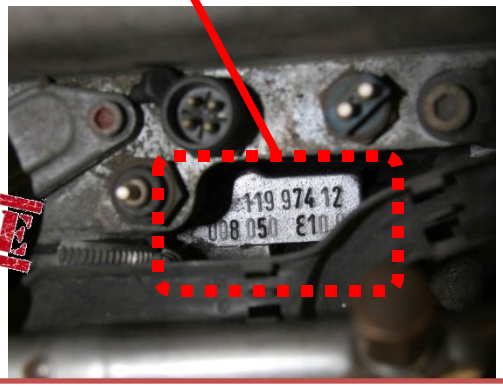
Additional requirements **listed under Road Transport Act 1987** and Road Transport Rules.



Chassis number

must be punched

EXAMPLE



Engine / electric motor number

Visible Light Transmittance

Component Type Approval

System Type Approval

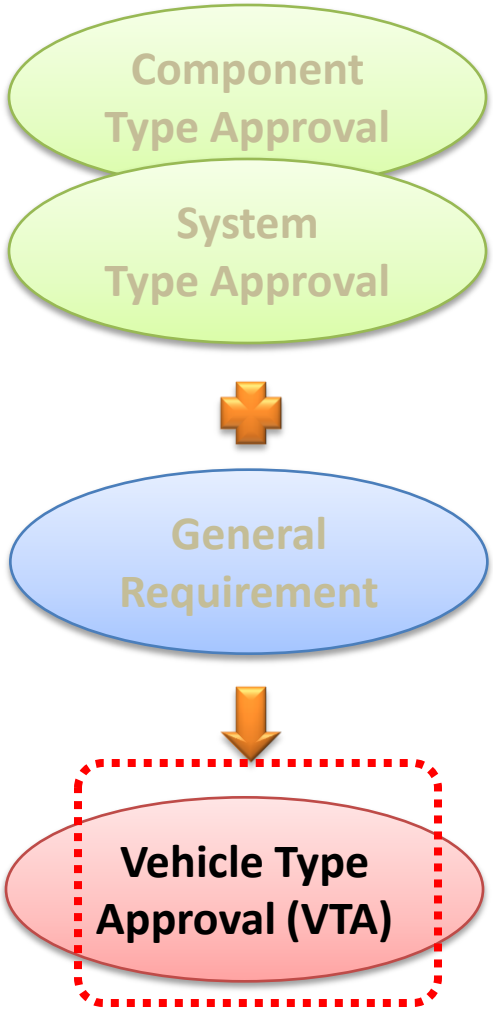
General Requirement

Vehicle Type Approval (VTA)

Overview Vehicle Type Approval System (VTA)

Certification of Vehicle Type Approval (VTA)

to confirm the vehicle design **have comply with specified standards and all requirement under Act** and the vehicle is allowed to register in Malaysia.



Summary

- **JPJ as Regulator or Approval Authority in Malaysia** for regulate the technical specification of motor vehicle, enforcement body on motor vehicle & driver and registration of motor vehicle & driver
- Malaysia Road Safety Plan 2014-2020 is to **reduce the projected fatalities due to road accidents in 2020 by 50%** (from 10,716 fatalities to 5,358)
- Malaysia is a **Contracting Party under Forum WP29** and adopt the **UNR as mandatory safety standard** for motor vehicle.
- UNR compliance are implemented through **Vehicle Type Approval (VTA) system**.
- VTA procedure to confirm the vehicle design have comply with specified standards or UN Regulations before a vehicle registration is allowed in Malaysia

THE END
THANK YOU

AUTOMOTIVE ENGINEERING DIVISION

ROAD TRANSPORT DEPARTMENT (JPJ)

MALAYSIA