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## **COUNTRY REPORT**

**Forum for South East Asia & Public and  
Private Joint Forum in Asia Region**

26 – 27 January 2021 (virtual platform)

# **MOTOR VEHICLE REGULATORY FRAMEWORK & TYPE APPROVAL SYSTEM IN MALAYSIA**

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**Automotive Engineering Division  
ROAD TRANSPORT DEPARTMENT (JPJ)  
MALAYSIA**

# Introduction



**LAND & LOGISTIC  
DIVISION**



**AVIATION  
DIVISION**



**MARITIME  
DIVISION**



**ROAD TRANSPORT  
DEPARTMENT (JPJ)**



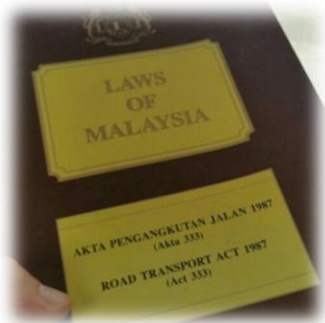
**Regulator or Approval Authority** for regulate the technical specification of motor vehicle, enforcement body on motor vehicle & driver and registration of motor vehicle & driver

**MALAYSIA  
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

# Motor Vehicle Regulatory Framework



Road Transport  
Act 1987



Road Transport  
Rules

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

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

road-sited enforcement



automated enforcement



type approval process

# International Involvement



**MALAYSIA join WP29 on 4<sup>th</sup> April 2006**

**Agreement 1958  
(UN Regulations (UNR))**

**Agreement 1998  
(UN Global Technical  
Regulations (GTR))**

In ASEAN Region:

- Malaysia
- Thailand



**JPJ - HQ Office in Putrajaya**  
[www.jpj.gov.my](http://www.jpj.gov.my)





## Motor Vehicle Safety Standard Compliance

- ❑ **To regulate the safety features** of motor vehicle & **reduce pollution**;
- ❑ **Compliance standard** : vehicle safety & performance, environment & anti-theft

will reduce technical barrier to trade (TBT) in automotive sector

A. UN regulations : **113 UNR**

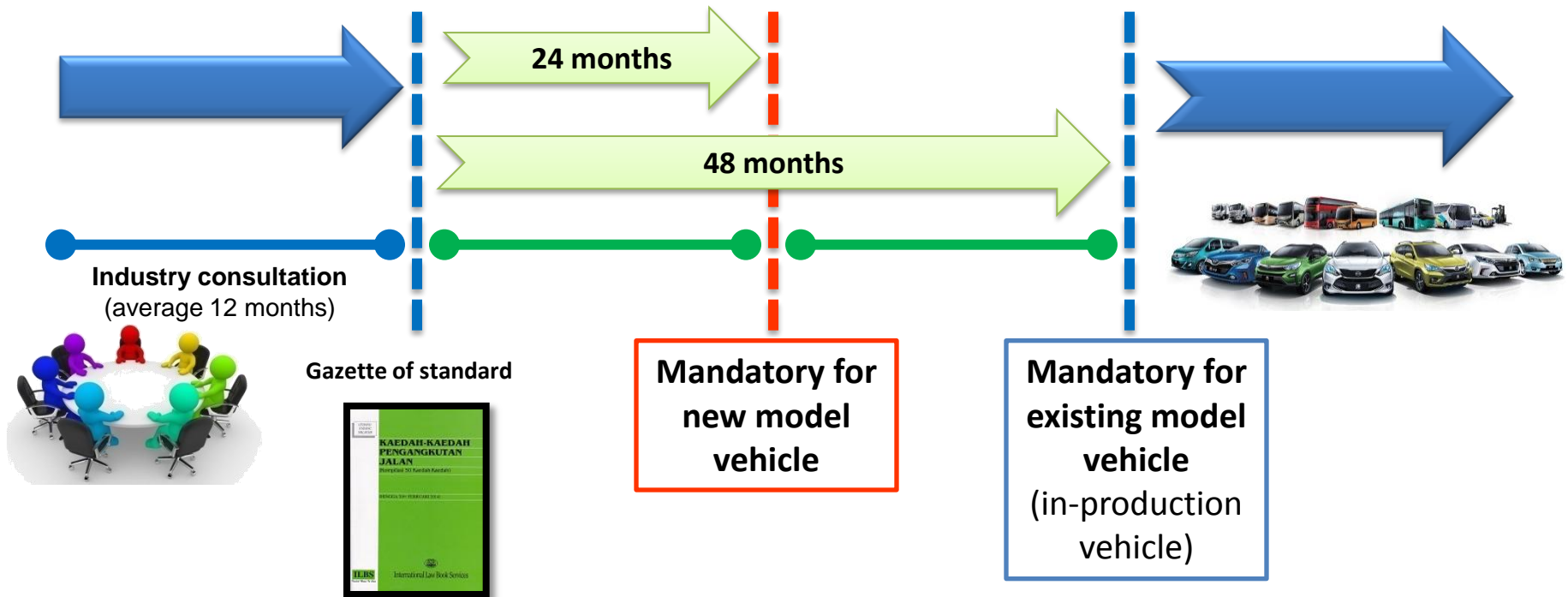
**B. Malaysian Standard (MS) : 12 MS**



# Implementation of Standard Compliance in Malaysia

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

- ❑ **Strengthening the mechanism of compliance** for existing gazette UNR / MS under type approval procedure (complete and in-complete vehicle);
- ❑ **Review / gazette on new UNR** as incline current demand and technology of mobility;



# Vehicle Type Approval System (VTA) in Malaysia

- ❑ Based on section 66(1)pp, Road Transport Act 1987.
- ❑ **JPJ is lead agency as Type Approval Authority** which is responsible on the implementation of Vehicle Type Approval (VTA) in Malaysia.
- ❑ VTA procedure is to confirm the production sample of a vehicle design **to comply with specified standards or UN Regulations** before a vehicle registration is allowed in Malaysia.
- ❑ Regulations with regard the safety of vehicle are under jurisdiction by JPJ.
- ❑ Regarding with regulations of Exhaust Emission and Noise for the motor vehicle are under jurisdiction Department of Environmental (DOE).

## Vehicle Type Approval System



Vehicle  
Safety



Exhaust  
Emission and  
Noise


# Vehicle Type Approval System (VTA) in Malaysia

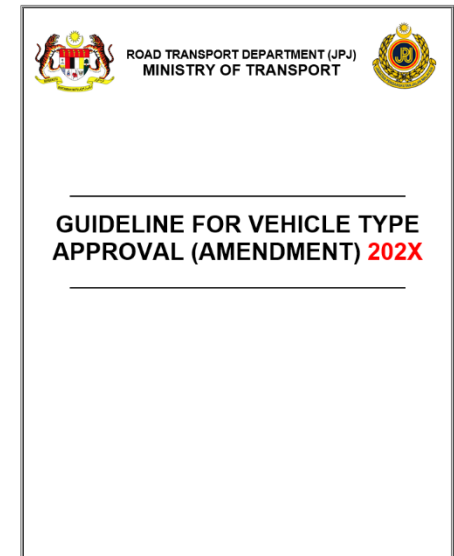
**Three revisions VTA Guideline** have been issued so far:

1. VTA Guideline (Amendment) 2013;
2. VTA Guideline (Amendment) 2015;
3. **VTA Guideline (Amendment) 2017;**
4. **VTA Guideline (Amendment) 20XX – target release by 2021.**

## Contents of the VTA Guidelines

1. List of UN regulations & MS
2. Categories of vehicles
3. Process flow of the application
4. List of required documents / Application checklist
5. Other requirements, e.g. COP.

- 
- ☐ To introduce in English version;
  - ☐ Update / review on mandatory standard compliance;
  - ☐ Enhancement conformity arrangement framework and compliance;
  - ☐ Review the monitoring mechanism of type approval.

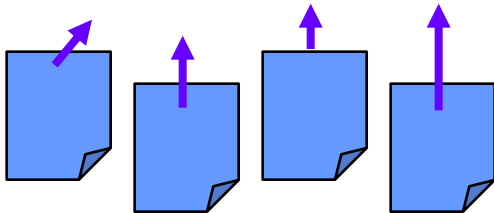




# Vehicle Type Approval System (VTA) in Malaysia

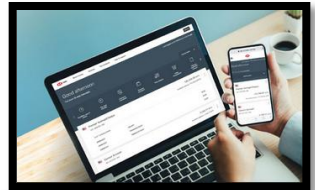
## Vehicle Manufacturer

Compliance of UN Regulations or Malaysian Standards (MS)



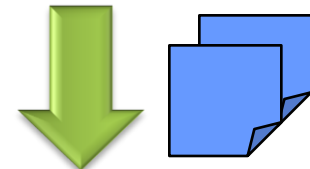
## Road Transport Department (JPJ)

Submit online application (eVTA)



## Verification & Inspection

- ☐ Document Verification;
- ☐ Physical Inspection;
- ☐ Road Worthiness Test.



## Committee



Approved by  
Director  
General of JPJ

VTA Certification



# Vehicle Type Approval System (VTA) in Malaysia

Portal Rasmi  
Jabatan Pengangkutan Jalan Malaysia  
Official Portal of Road Transport Department Malaysia

Utama | Bantuan Dalam Talian

**mySIKAP**

Anda berada di zon yang selamat.  
Portal Rakam Niaga mySIKAP membolehkan Rakam Niaga yang berdaftar dengan JPJ melakukan urusan / transaksi dalam talian.

**SELAMAT DATANG KE PORTAL RAKAM NIAGA mySIKAP  
JABATAN PENGANGKUTAN JALAN MALAYSIA**

Pilihan Bahasa:

**Daftar Masuk**

ID Pengguna:  Kata Laluan:  **Daftar Masuk**

**Keselamatan Dalam Talian**  
Jangan daftar masuk melalui pautan e-mel yang tidak diketahui / mencurigakan.  
Jangan dedahkan ID Pengguna dan kata laluan anda kepada mana-mana pihak.

MySIKAP is a registered trademark of the Road Transport Department, Malaysia. © 2019. All rights reserved.

**AUTOMOTIVE ENGINEERING: Vehicle Type Approval Application**

Applicant Detail | General Information | **Specification**

Page 1 \* Dimension

Page 2 \* Overall Length (mm): 1 Overall Width (mm): 1

Page 3 \* Overall Height (mm): 1 Gravity Height (mm): 1

Page 4 \* Wheel Base / Axle Spread (mm)

Page 5 \* Between Axle 1 and 2: 1

Page 6 \* Ground Clearance (mm)

Page 7 \* Unladen: 1 Fully Laden: 1

Page 8 \* Minimum Turning Circles (mm)

Page 9 \* Kerb to Kerb: 1 Body to Body: 1

Page 10 \* Page 11 \* Page 12 \*

Page 1 | [Next](#)

**mySIKAP**

Selamat Datang ke mySIKAP.

mySIKAP merupakan transformasi sistem sokongan utama Jabatan JAKA yang telah 20 tahun merealisasikan sistem penyampai secara dalam talian khusus bagi perkhidmatan teras. Transformasi mySIKAP amat ketara apabila penyampaian perkhidmatan dilaksanakan pada kadar masa nyata (real-time) dalam talian melalui penstrukturan infrastruktur ICT yang lebih stabil, mapan dan selamat. mySIKAP juga menawarkan 4 aplikasi perkhidmatan teras dan 18 aplikasi sokongan yang dihasilkan untuk meningkatkan kecekapan dan kualiti perkhidmatan Jabatan yang berorientasi kepada para pelanggan. mySIKAP menyediakan maklumat kepada Jabatan yang memantapkan lagi anal perancangan masa depan, perkongsian maklumat dan penguasaan dalam membuat keputusan-keputusan penting yang lebih bersempang. mySIKAP bukan sahaja merupakan satu sistem yang akan mempermudah dan mempercepat proses kerja dan penyampaian perkhidmatan, tetapi memberi penekanan kepada produktiviti warga Jabatan dan kualiti perkhidmatan kerana ia menjadi keutamaan dalam menjadik lebih efisien dan cemerlang.

**TERAS**

KEAJURUTERAAN AUTOMOTIF

Kululusan KA

• Status Permohonan KA

Kululusan Jenis Kenderaan

Kululusan Jenis Kenderaan

Permohonan baru

Salam Sejahtera TEST HQ USER 11, Selamat Datang, 08:22 am, 27 Jun 2019

**AUTOMOTIVE ENGINEERING: Vehicle Type Approval Application**

Applicant Detail

Applicant Details

Name : TEST HQ USER 11  
IC / ID No. : 832342543541  
Company Name : HONDA  
Company Registration No. : H120SA  
Address : KAMPUNG BARUSELATAN  
SELANGOR  
City : PAHANG  
Postcode :  
State : SELANGOR  
Telephone : 01234234234  
E-mail : ka.festingemail@gmail.com

**Record successfully submitted**

OK

Next

- ❑ Start enforced from **1 January 2020**;
- ❑ Enhance the record system of application and approval;
- ❑ Strengthening communication channel between regulator and automotive industries.

# 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 is a **Contracting Party under Forum WP29** and adopt the **UNR as mandatory standard and as main benchmark** for motor vehicle requirement.
- ❑ UNR & MS compliance are implemented through **Vehicle Type Approval (VTA) system** for each new model of vehicle type.
- ❑ 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**