Plans and Programs on Motor Vehicle Certification And Regulations

ILDEFONSO T. PATDU, JR.
Outline of Presentation

• Background
• Philippine Automotive Industry
• Institutional and Policy Regulation Governing MV
• Harmonization of MV Standards and Regulation
• Way Forward
JICA TA: Developing MV Regulation and Certification

- Develop the framework of a new vehicle regulation and certification system in Philippines based on the 1958 Agreement and
- Establish a road map for the country to follow in preparing its accession to the 1958 Agreement and operations thereafter.
Motor Vehicle Assembly Industries

Parts Manufacturing Industries
Motor Vehicle Assembly Industries

Location Inventory of Vehicle Assembly Industries
Parts Manufacturing Industries

Location Inventory of Auto Parts Manufacturing Industries

- Laguna
  - Glass
  - Jig fabrication
  - Forging/stamping
  - Transmission
  - Seatbelt
  - Seat interior/seat assembly
  - Aluminum wheels/alloy wheels
  - Car audio/car electronics
  - Rubber parts
  - Alternator/starter
  - Muffler/exhaust system
  - Die-cast aluminum parts
  - Air-condition
  - Plastic parts
  - Brake system
  - Meter cluster
  - Radiator/leaf-spring
  - Fuel pump/fuel assembly
  - Wiring harness
  - OEM coating/paint
  - Metal parts
  - Universal joint/piston pin
  - Switches
  - Instrument cluster

- Pampanga
  - Tires

- Tarlac
  - Wiring harness

- Batangas
  - Brake hose, power steering hose
  - Plastic boards/parts
  - Wiring harness
  - Galvanized iron
  - Spokes and nipples

- Cebu
  - Wiring harness
  - Electronic junction box
  - Metal Parts

- Manila
  - Headrest
  - Metal parts/fabrication/casting
  - Shock absorber
  - Metal stamping
  - Truck/bus bodies
  - Aircon and parts thereof
  - Speakers/Speaker system
  - Soft trim/carpet/woven fabric
  - Screws/nuts/bolts
  - Alloy wheels
  - Plastic parts/moulded parts
  - Pumps
  - Cylinder piston
  - Batteries
  - Weatherstrip
  - Wiring harness
  - Radiator/Muffler/Filter
  - Seat assembly/seat covers
  - Steering wheel
  - Wipers/pedal accelerator
  - Brake drum/discs/hub/cluster pipes
  - Body tubes and kits
  - Body parts
  - Tires
  - Cavite
  - Plastic parts/injection
  - Steel/metal fabrication/die
  - Wiring harness
  - Rubber parts
  - Battery accessories
  - Sub-engine parts/components
  - Stamping parts
  - Vehicle bodies
  - Signaling and lighting equipment
Motor Vehicle Inspection & Registration System
MV Inspection System

• All Motor Vehicle shall be subjected to mandatory inspection prior to the registration as per M.O No. 86-003 dated June 3, 1986. No Motor Vehicle of all classification shall be accepted for the registration unless fully inspected in the accordance with the standards and procedure of Motor Vehicle inspection. The three venues of inspection are LTO District Office, Motor Vehicle Inspection Stations (MVIS) and Private Emission Testing Centers (PETC).
MVIC Development Plan

LTO/District Regional Offices with MVIC (PHASE 1)

- **LTO DISTRICT /REGIONAL OFFICES WITH MVIC (PHASE 1)**
  - **Region III MVIC Phase I** – San Fernando, Pampanga
    - OPERATIONAL
  - **Region IV-A MVIC Phase I** – Alaminos, Laguna
    - ONGOING BUILDING CONSTRUCTION (STAGE 2)
  - **NCR North MVIC Phase I** – East Ave, Quezon City
    - OPERATIONAL
  - **NCR South MVIC Phase I** – Pasay City
    - OPERATIONAL
  - **Region VII MVIC Phase I** – Mandaue, Cebu
    - OPERATIONAL
  - **Region X MVIC Phase I** – Matina, Davao
    - WAITING FOR SARO
Proposed LTO District/Regional Offices with MVIC (PHASE 2)
MVIC Development Plan

Proposed LTO District /Regional Offices with MVIC (PHASE 3)
Existing Institutional Framework on Certification and Regulation

DOTC-LTO
(RA 4135)
Whole Motor Vehicle Unit

DTI-BPS
(RA 4109)
MV Parts and Components

DENR-EMB
(RA 8749)
Emission Standards

DOE-OIMB
Fuel Quality

DILG-PNP
Ant-Carnapping/Theft
Institutional and Policy Regulations Governing MV
Existing Certification and Regulation Process

- **DOE**
  - Develops Standards and Regulations for Fuels

- **DENR/EMB**
  - Develops Standards and Regulations for Emission
  - Issues Regulation on Motor Vehicle Inspection

- **DOTC/LTO**
  - Develops Standards for Motor Vehicle Inspection
  - Issues PS Mark / ICC Mark

- **DTI/BPS**
  - Promulgates PNS

- **Issues Certificate of Compliance (CCC)**

- **Conducts Motor Vehicle Inspection**

- **Issues Registered Certificate**
Harmonization of Motor Vehicle Standards and Regulations
The ASEAN Economic Community (AEC) Blueprint which presents the plan for transforming ASEAN into a single market and production base, highly competitive and fully integrated into the global community with equitable economic development by 2015, requires the integration of 11 priority sectors, which include automotive products.

To facilitate and liberalize trade and investment in the region, ASEAN MCs harmonize national standards with international standards and implement Mutual Recognition Agreement (MRA) on conformity assessment to achieve the end-goal of “one standard, one test, accepted everywhere” with focus on harmonization of ASEAN automotive safety and emission standards based on the UNECE regulations.

WP29 initiates and pursues the harmonization of technical regulations or amendments to the regulations for worldwide acceptance and are directed at:
1. improving vehicle safety;
2. protecting the environment;
3. promoting energy efficiency; and
4. anti-theft performance.

WP29 provides uniform conditions for periodical technical inspections and strengthening economic relations worldwide.
Committee on Harmonization of Vehicle Standards and Regulations (CHVSR)

• Policy
  – It is the policy of the government to provide efficient, safe, reliable and sustainable transport services in order to improve quality of life by enhancing vehicle safety, protecting the environment, promoting energy efficiency and increasing anti-theft performance of vehicles.

• Mandate
  – The Committee on Harmonization of Vehicle Standards and Regulations (CHVSR) shall be responsible for the effective coordination of efforts of various agencies of the government, international organizations and the private sector pertaining to the harmonization of vehicle standards and regulations, including all activities related thereto.
Committee on Harmonization of Vehicle Standards and Regulations (CHVSR)

Objectives

1. Ensure that motor vehicles are conforming to or compliant with the standards set by law;

2. Initiate the development, review, revision and publication of vehicle standards every two years, or as the need arises, to ensure substantial improvement in air quality for the health, safety and welfare of the general public;

3. Provide for the harmonization of national vehicle emission standards with the international standards as well as setting of fuel quality standards

4. Establish uniform and simplified standards, procedures and regulations for worldwide recognition pursuant to the objectives of the 1958, 1997 and 1998 WP29 Agreements.
4 Sub-committees

1. Sub-committee on Standards Development
   • Chair: BPS

2. Sub-committee on Certification and Regulation
   • Chair: LTO

3. Sub-committee on Participation to Regional and International Agreements
   • Chair: DOTC
   - Established and recommended to the Committee a motor vehicle type approval system for a whole vehicle and component parts that is conformance with international standards
   - Formulate and recommend to the Committee a matrix of technical requirements, relative to the harmonization of motor vehicle standards and regulations;
   - Develop and recommend to the Committee standards and procedures for the accreditation of training institutions, instructors and their facilities and the licensing of qualified private service centers and their technicians as a prerequisite for conducting the testing, servicing repair and the required adjustment of vehicle emission system and component parts and testing certification system;
   - Identify and recommend to the Committee the institutional and technical infrastructure requirements relative to the implementation of whole vehicle type approval system and component parts and testing certification system;
   - Conduct public information campaign, public hearings and consultation to all stakeholders

4. Sub-committee on Legislative Agenda
   • Chair: DOTC
Sub-committee on Certification and Regulation Activities/ Output

- Conducted review and inventory of existing laws, rules and regulations related to MV certification and regulations

- Gathered certification and regulation processes in Thailand, Malaysia, Singapore and Japan

- Conducted benchmarking of the vehicle type approval process in Singapore and Japan

- Alignment of 11 priority MV regulations in the ASEAN with 31 December as the target date of alignment; status: 6 EQV and 5 NEQ

- Conducted inventory of testing laboratories and manufacturers
Way Forward

• Accession to the UNECE 1958 Agreement
• Development of vehicle Regulation and Certification System

Accession to the 1958 Agreement

- Building a consensus about the benefits of accession to the 1958 agreement
- Examining various issues in the ASEAN ACCSQ APWG (mutual approval; harmonizing regulations; improving abilities interest result evaluation, inspection, and certification; enhancing transparency of rulemaking process; enhancing COP and market surveys; training programs)
- Effects of the accession to the 58 Agreement on economy, environment, and safety.
- Benefits from the introduction of ECE regulations and MRA of approved parts and system under the type approval system

- Road map for accession to the 1958 Agreement
  - Accession by 2015 in synch with the ASEAN Economic Integration Time Table
  - Introduction of ECE regulation into domestic legislation and establishment of WVTAS

- Arrangements for accession to the 1958 agreement
  - Arrangement /accession procedures
# Accession, ECE and WVTA

## Image of Step (Road map)

<table>
<thead>
<tr>
<th>Activities</th>
<th>Timeline</th>
<th>2011</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accession</strong></td>
<td>Roadmap</td>
<td>Legislation</td>
<td><strong>Accession</strong></td>
</tr>
<tr>
<td>WVTA</td>
<td></td>
<td>2011</td>
<td></td>
</tr>
<tr>
<td>ECE intro</td>
<td></td>
<td>Prioritize ECE</td>
<td>ASEAN 19 ECE Complete</td>
</tr>
<tr>
<td>Parts/components</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicle type approval system</td>
<td>Framework</td>
<td>ACT, EO and/ DAO</td>
<td>Details</td>
</tr>
<tr>
<td>Requirement list</td>
<td>Installation of parts/components</td>
<td>General requirement</td>
<td>Application</td>
</tr>
<tr>
<td></td>
<td>Framework</td>
<td>Scope, Definition, Certification, Procedure, MRA</td>
<td>Verification, COC, COP, Approval, Penalty</td>
</tr>
</tbody>
</table>
Development of MV Regulation and Certification System

Establishing a Framework for Vehicle Regulation and Certification System

- Policy Concept
- Working System/Arrangements
Working System for Introducing a Vehicle Regulation and Certification System

Sub-Committee Standards Development
- Develop technical regulations for WVTAS and determine priorities
- Develop a plan for the introduction of all the 19 regulations agreed upon at ASEAN and their harmonization with domestic legislation

Sub-Committee Certification and Regulation
- Draft regulations for the vehicle type approval system
- Develop a type approval system (procedure, document formats ...)
- Examine, address the type approve inspection requirements designate, and place the testing facility in charge of type approval testing and examination (DOTC, DENR, DTI-BPS, CHVSR SC)
Working System for Introducing a Vehicle Regulation and Certification System

Sub-Committee Participation in Regional and International Agreement
- At the ASEAN APWG, promote activities for the harmonization of ECE regulations to be introduced in those countries

Sub-Committee Legislative Agenda
- Study the possibilities of a house bill or a new executive order giving legal grounds for the vehicle type approval system
- Review the roles of the related agencies, revise them and make adjustments among agencies, study amendment of related laws and regulations.
# Road Map for Accession to the 58 Agreement and Introduction of Type Approval Certification System

<table>
<thead>
<tr>
<th>Activity</th>
<th>Purpose/Expected Results</th>
<th>Tasks</th>
<th>Details &amp; Reasonability</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commencement of documentations and activities that related to accessions</td>
<td>Develop Vehicle Type Approval System test program (WVTA)</td>
<td>Review advantages of MVTAS versus vehicle WVTA</td>
<td>DOTC/LTO to devise MVTAS implementation/operation plan</td>
<td>2012-2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For the smooth introduction of MVTAS, understand entire function inspection and steps of WVTA certification procedure</td>
<td>(JASIC) organize seminar (Type approval procedure)</td>
<td>2011 Oct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Examine the necessity of renewed coordination among ministries and agencies</td>
<td>JASIC) presentation of the proposal of WVTA concept</td>
<td>2011 Oct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DOTC WG) Determine the methods of role sharing and coordination and the revision of related laws and regulations on MVTAS</td>
<td>2011 onwards</td>
</tr>
<tr>
<td></td>
<td>Develop Motor Vehicle Type Approval System WVTA test facility in the country</td>
<td>DOTC/LTO to device implementation/operation plan</td>
<td>2012-2014</td>
<td></td>
</tr>
<tr>
<td>Mutual Recognition Agreement (MRA) - 1958 Agreement and Mutual Recognition Arrangement for the ASEAN</td>
<td>Pursue advantages of MRA to promote development of automotive industry</td>
<td>DOTC) allocate budget for the implementation</td>
<td>2012-2015</td>
<td></td>
</tr>
</tbody>
</table>
## Road Map for Accession to the 58 Agreement and Introduction of Type Approval Certification System

<table>
<thead>
<tr>
<th>Activity</th>
<th>Purpose/Expected Results</th>
<th>Tasks</th>
<th>Details &amp; Reasonability</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>JASIC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2012-2013</td>
</tr>
</tbody>
</table>

#### Proposed organization of WVTA (integrated or linked) and its operation process and vehicle certification

- **WG-1,2)** List up responsibility, roll sharing and coordination among ministries and agencies (functional ground design)
- **WG-1,2)** Choose concept of coordination (function design) for short/mid./long term

#### Develop a concept of WVTA system and regulations (Legal system and operation)

- **JASIC**
  - Survey the legal systems of Japan and UNECE (IWVTA)
  - Presentation of the systems of other countries' cases
  - Survey of existing regulations on WVTAS
  - Consultation of proposed regulations by DOTC, LTO, DTI-BPS, DENR, DOE, Legal and revise if necessary
  - Amend details of concept based on public consultation by DOTC, LTO, DTI-BPS, DENR, DOE, Legal

#### Research other countries' WVTA (Japan, EU, UNECE, etc.)

- **JASIC**
  - Survey of existing regulations on WVTAS
# Road Map for Accession to the 58 Agreement and Introduction of Type Approval Certification System

<table>
<thead>
<tr>
<th>Activity</th>
<th>Purpose/Expected Results</th>
<th>Tasks</th>
<th>Details &amp; Reasonability</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduce ECE regulations and MRA</td>
<td>Adopt Regulations</td>
<td>Develop and propose the final draft</td>
<td>DOTC legal) Finalize draft of MVTAS regulations/vehicle certification</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHVSR) CHVSR to deliberate</td>
<td>CHVSR) CHVSR to deliberate</td>
<td>2013</td>
</tr>
<tr>
<td>Adopt Regulations</td>
<td></td>
<td>Determine priority ECE Regulations including schedule of introduction</td>
<td>JASIC) Japan’s experiences sharing</td>
<td>2011Oct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>JASIC) Support DOTC WG-2 to draft proposed schedule of ECE implementation</td>
<td>2012MS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CHVSR) Approve priority ECE and implement schedule</td>
<td>2015 onwards</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CHVSR) Adjust the Philippine plan versus ASEAN MRA</td>
<td>2015 onwards</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WG-1) integrate into BPS standard adoption plan (adoption in stages)</td>
<td>2015 onwards</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CHVSR) Draw up a Philippine plan</td>
<td>2015 onwards</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Start ECE acceptance procedure</td>
<td>DOTC Submit to DTI-BPS</td>
<td>2015</td>
</tr>
</tbody>
</table>
## Road Map for Accession to the 58 Agreement and Introduction of Type Approval Certification System

<table>
<thead>
<tr>
<th>Activity</th>
<th>Purpose/Expected Results</th>
<th>Tasks</th>
<th>Details &amp; Reasonability</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction WVTA system</td>
<td>Introduction of new whole vehicle type approval system (WVTAS)</td>
<td>Approval and implementation of new laws (policy framework among responsible stakeholders)</td>
<td>DOTC WG) draft Bill or legal documents to enforce MVTAS</td>
<td>2012-2013</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DOTC) Submit to President the draft bill or EO</td>
<td>2016</td>
</tr>
<tr>
<td></td>
<td>Device Implementation/operation plan approval and implementation of new law/regulation on MVTAS</td>
<td>DOTC WG) Draft implementing rules and regulation (DO, IRR etc.)</td>
<td>DOTC) Issue IRR or DO on MVTAS</td>
<td>2015</td>
</tr>
</tbody>
</table>
Proposed WVTAS Framework

Proposed Framework of Whole Vehicle Type Approval System

New Basic ACT

(1) New House Bill Drafted

(2) New Executive order drafted on the Establishment and Implementation of WVTAS

DOTC New D.A.O.

Motor Vehicle Type Approval Regulation and Part/Components/System Type Approval Regulations

Technical Standards <PNS and other relevant standards>

Implementation Rules/Regulation for Type Approval On Vehicles, Parts, Components and Systems

New IRR

And/or
Proposed structure of WVTAS

Proposed WVTAS:
Contents of Whole Vehicle Type Approval Regulations

Administrative Prescriptions
- Scope and Application
- Definition
- Requirements
- Type Approval Procedures
- Application
- Verification
- Certification of Conformity
- Validity of COP
- Extension of Certification
- Initial Assessment
- COP
- Penalty

- List of Annex
  - Technical requirements
  - Test procedures
  - Application format

Technical Standards
- General requirements for vehicle
- Requirements for parts/components/system unit
- Test Procedures

- PNS Road Vehicles Standards
- PNS UNECE Standards
- DENR Regulations
- Other relevant standards and regulations
THANK YOU !