HARMONIZATION OF VEHICLE STANDARDS AND REGULATIONS

JARI PHILIPPINES ROUNDTABLE 2010
Air pollution reduction and energy policies in Philippines

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Rationale

- 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.
Legal Bases for MV Harmonization

- RA 4136 prohibits the registration of motor vehicles that are unfit, unsightly, unsafe or not conforming to the prescribed minimum standards and specifications.

- RA 4109 mandates the review, revision and publication of standards every 2 years or as the need arises.

- RA 8749 provides for harmonization of national emission standards with international standards.

- Presidential Executive Order 628, dated 20 June 2007, created a Committee on Harmonization of Vehicle Standards and Regulations (CHVSR) with DOTC as chairman, DTI as vice chairman, DOE, DOST, DENR, DILG, representatives from the academe and private sectors as members.
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.**
FRAMEWORK OF THE ROADMAP

Harmonization of MV Standards and Regulations

- MV Standards Development
- Certification and Regulation/
- Regional and International Integration
- Legislative Agenda
### 4 Sub-committees

1. **Sub-committee on Standards Development**
   - Chair: BPS
   - Co-chair: OIMB
   - Vice Chair: PAFI
   - Members: DOTC, LTO, EMB, MIRDC, ITDI, PCIERD, PNP-TMG, SOPI, UPNCTS, CAMPI, MVPMAP, MDPPA, TMA, PAMIA, MCPPEA

2. **Sub-committee on Certification and Regulation**
   - Chair: LTO
   - Co-chair: DENR
   - Vice chair: PAFI
   - Members: DOTC, BPS, BIS, EUMB, OIMB, LTFRB, PNP-TMG, UPNCTS, AAP, COLTAP

3. **Sub-committee on Participation to Regional and International Agreements**
   - Chair: DOTC
   - Co-chair: LTO
   - Vice chair: PAFI
   - Members: BPS, BOI, EMB, OIMB, PNP-TMG, Senate Committee on Public Services and Congress Committee on Transport

4. **Sub-committee on Legislative Agenda**
   - Chair: DOTC
   - Co-chair: LTO
   - Vice chair: PAFI
   - Members: BPS, BOI, EUMB, OIMB, EMB, PNP-TMG, UPNCTS, COLTAP, Senate Committee on Public Services and Congress Committee on Transport
MV Standards Development

1. Oversee and coordinate all standardization activities of all government member agencies through the Committee which will be used as basis for regulations;
2. Recommend policy thrusts for all road vehicle related standards development organizations based on established road map of standardization and harmonization in accordance with regional and international agreements
3. Review/formulate PNS
   a. MV and parts (4-wheeled vehicles)
   b. MV and parts (2-wheeled vehicles)
   c. CLRV (4-wheeled MV)
   d. CLRV (2-3 wheeled MV)
   e. fuel quality
   f. emissions (exhaust and noise)
4. Identify and recommend institutional and technical infrastructure requirements regarding implementation of standards and regulations
5. Conduct IEC, public information campaign, public hearings and consultations to all stakeholders related to development of MV standards
### MV Standards Development Program

| Promulgated 425 PNS on Road Vehicles which includes Auto LPG/ CNG conversion standards for use for M and N category vehicles, hybrid vehicles standards, 96 fuel quality and others |
| 8 are mandatory product certification |
| 10 are recommended for mandatory implementation |

| Promulgated 11 PNS on electric, hybrid and fuel cell road vehicles |

| Ongoing Projects: |
| - Development of PNS for Auto LPG Fuel systems for 2-3 wheels (category L) vehicles harmonized with UNECE 115 (BPS TC44) |
| - Harmonization of PNS for autoglass PNS 130, UNECE R43 (BPS TC 12) |
| - Harmonization PNS for tires (PNS 25) |
| - Motor vehicle emission standards: emission limits (type approval), white smoke standards for mc/tc, adoption of Euro II for MC/TC, develop LPG emission standards for NOX and confirm Euro 2 equivalent – R83 |

### DTI-BPS
Road Vehicles and Component Parts

### DENR-EMB
Emission Standards

### DOE-OIMB
Fuel Quality
Alignment with UNECE Regulations of the 11 Priority Regulations (by APWG)

- Exhaust Emission (NEQ) - R14 (c/o DENR)
- Light duty Vehicles - R83
- Heavy duty Vehicles - R49 (c/o DENR)
- Safety glass (NEQ) - R43 (c/o BPS)
- Tyre (NEQ) - R30, R54 (c/o BPS)
- Seatbelt (EQV) - R16
- Seatbelt anchorage (EQV) - R14
- Noise (EQV) - R51
Alignment with UNECE Regulations

Exhaust Emission (EQV) R40

Helmet (EQV) R22

Noise (EQV) R41
## MV Certification and Regulation (Enforcement)

1. Establish MV Type Approval System (MVTAS) for whole vehicle and component parts that is in conformance with international standards

2. Formulate the technical regulations to implement the MV standards

3. Develop procedures for testing, servicing, repair and the required adjustment of vehicle emission system and component parts and testing certification system

4. Develop procedures for the accreditation of training institutions, instructors and their facilities and the licensing of qualified private service centers and their technicians

5. Develop capacity building program for MV type approval system

6. Conduct public information campaign, public hearings and consultations to all stakeholders
Institutional Framework

- **DTI/BPS** *(RA 4109)*
  - MV parts and components

- **DENR/EMB** *(RA 8749)*
  - Emission standards

- **DOTC/LTO** *(RA 4136)*
  - Whole MV unit

- **DOE**
  - Fuel quality

- **PNP**
  - Anti-theft
Certification and Regulation Process

DOE
- Develops standards and regulations for fuels
  - Develops standards and regulations for emission
    - Issues COC
      - Conducts MV inspection
        - Issues registration certificate
          - Issues PS mark / ICC mark

DENR/EMB
- Develops standards and regulations for fuels
  - Issues COC

DOTC/LTO
- Issues regulations on MV inspection
  - Develops standards for MV parts
    - Promulgates PNS
Regional and International Integration

1. Accession to the WP29 Agreement/s
2. Participation to Regional and International Agreements
   a. Participate in the ASEAN consultative committee on standards and quality Automotive Product Working Group (ACCSQ-APWG)
   b. Participate in the AEM-METI Economic and industrial Cooperation Committee (AMEICC)
   c. Attend/Participate in the Asia JASIC Government–Industry Meetings
   d. World forum on Harmonization of MV Standards
Legislative Agenda

1. Codification of transportation laws, rules and regulations to come up with a new Road Vehicles Act
2. Road Safety Bill
3. Amendment to Clean Air Act
4. Amendments to Anti-Carnapping Law
Updates on the CHVSR activities

- Formulation of a Roadmap on the Harmonization of Motor Vehicle Standards and Regulations
- Coordination of MV Harmonization of MV Standards and Regulations
- Regular quarterly meetings
Thank you!