

Development of Customized Local Road Vehicle (CLRV) Standards

Results of the National Survey

5 March 2013

Consultation with Industry

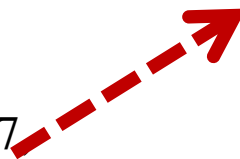
Development of CLRV Standards

Definition

A customized local road vehicle (CLRV) is defined as a motor vehicle that is manufactured, assembled or rebuilt using new or remanufactured parts or a combination of both, driven or used upon highways for the purpose of transporting people and/or goods

from

Philippine National Standard (PNS) 2060:2007
promulgated in 2007 by the DTI-BPS



**PHILIPPINE NATIONAL
STANDARD**

PNS 2060:2007
ICS 43.020



Customized local road vehicles – Classification

Study Objective

→ to upgrade and modernize the CLRV through policy development and implementation on the standards for the local automotive industry

Scope of Work

CLRV Industry Study (National Survey)

- Profile of rebuilders and assemblers
- Collation of specifications
- Documentation of the vehicle assembly process

CLRV Fleet Characterization

- Documentation of the procedure for classification and registration
- Characterization of utility vehicle fleet

Evaluation of CLRV Specifications and Drafting of PNS

- Comparison of specifications with Philippine National Standards (PNS) and international standards (UN-ECE, ISO) and other regulations
- Draft Philippine National Standards (PNS)

Development of CLRV Standards



1 Scope

This standard establishes the classification system for customized local road vehicles.

2 References



PNS 1891:2006 Road vehicles – Classification which is based on UN-ECE Standard classification of vehicles is indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the references document (including any amendments) applies.

3 Definitions

For the purpose of this standard, **customized local road vehicle** is defined as a motor vehicle that is manufactured, assembled or rebuilt using new or remanufactured parts or a combination of both, driven or used upon highways for the purpose of transporting people and/or goods.

4 Classification

Customized local road vehicles shall be classified as follows based on the PNS 1891:2006.

	Category	Illustration
4.1 Utility vehicle (UV)		
4.1.1 Jeepney	Category M2/N2	 

Scope of Work

Focus of Study: Utility vehicle (UV)





Jeepney

Owner type jeepney

Local utility vehicle (LUV)

Filcab

Jumbo jeepney

4.1.2 Owner type jeepney	Category M1/N1	
4.1.3 Local utility vehicle (LUV)	Category M2/N2	  

Development of CLRV Standards



PNS 2060:2007

Scope of Work

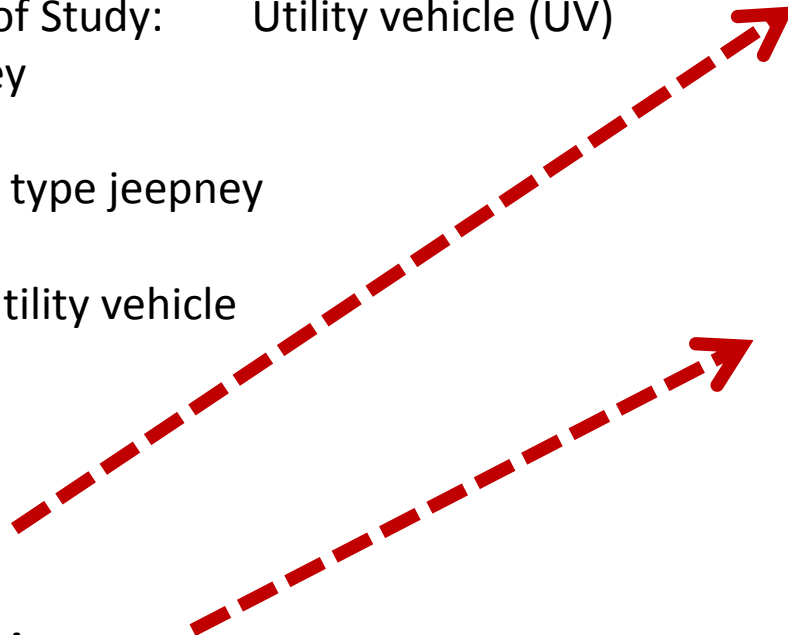
Focus of Study: Utility vehicle (UV)
Jeepney


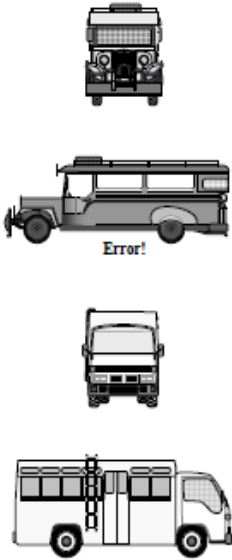
Owner type jeepney

Local utility vehicle (LUV)

Filcab

Jumbo jeepney



4.1.4 Filcab	Category M1/N1	
4.1.5 Jumbo jeepney	Category M3/N3	

National Survey of CLRV Assemblers and Manufacturers

Survey Period: April – December 2012

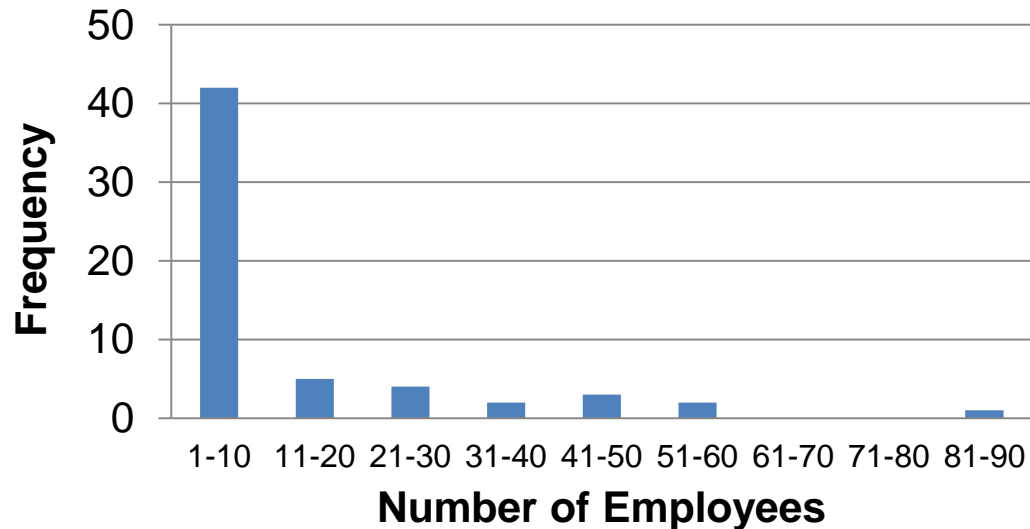
Total No. of Assemblers/Manufacturers Surveyed = 54

- Jeepney – 43
- Local Utility Vehicle – 8
- Filcab – 12
- Jeepney and Filcab – 1

National Survey of CLRV Assemblers and Manufacturers

Average Number of Employees: 25.6

Range: from 2 to 90 employees



Characteristics of Vehicle Models Surveyed

Jeepney

[Category: M2]

Passenger Seating Capacity	Frequency (no.)
22-seater	18
26-seater	5
30-seater	3
28-seater	2
18-seater	2
20-seater	2
25-seater	1
27-seater	1
Total	34

Local Utility Vehicle (LUV)

[Category: M2]

Passenger Seating Capacity	Frequency (no.)
20-seater	2
24-seater	2
18-seater	1
21-seater	1
22-seater	1
26-seater	1
27-seater	1
Total	9

Filcab

[Category: M2*]

Passenger Seating Capacity	Frequency (no.)
18-seater	5
12-seater	2
15-seater	2
16-seater	1
17-seater	1
Total	11

Characteristics of Engines Used in the Assembly

Jeepney

[Category: M2]

Engine	Samples
Isuzu 4BC2	9
Mitsubishi 4DR7	2
Isuzu 4BE1	2
Isuzu 6BF1	2
4BG1	2
Hyundai	2
Hyundai Theta 2004	1
4JB1	1
Fuso 4DR5	1
4BA1	1
Fuso 4D30	1
Isuzu 4HF1	1

Local Utility Vehicle (LUV)

[Category: M2]

Engine	Samples
Isuzu Elf 4HG1	1
Isuzu 4JH1	1
Mitsubishi 4DR7	1
Mitsubishi 4DR5	1
Hyundai 4D56	1
Mitsubishi 4D30	1

- most engines are surplus/secondhand
- only three engines were declared as brand new (Hyundai Theta, LPG)

Filcab

[Category: M2*]

Engine	Samples
Suzuki/Suzuki 12-valve	2
Suzuki F6A/FGA Suzuki 12-valve/ Suzuki FGA	6
Suzuki SKRAM	1
Mitsubishi 4DR7	1

*in PNS 2060:2007, Filcab is defined up to category M1 only

Mean Production Per Month

Jeepney [Category: M2]: 1.98 units/mo. (maximum: 10)
(29 manufacturers)

Local Utility Vehicle (LUV) [Category: M2]:

9.0 units/mo. (maximum: 17)
(4 manufacturers)

Filcab [Category: M2*]: 4.63 units/mo. (maximum: 15)
(8 manufacturers)

Review of Regulations

- Revised Administrative Order on the New MVIS and Promulgating the Rules and Regulations in the Implementation Thereof (AO-2009-018), Land Transportation Office
- 1968 Vienna Conventions of the United Nations on Road Traffic and Road Signs and Signals
- Republic Act No. 4136: Land Transportation and Traffic Code
- Act 3992
- Republic Act No. 8749 – Philippine Clean Air Act
- Republic Act No. 8750 – Seat Belt Act
- Republic Act No. 8794 – Motor Vehicle Users’ Charge (MVUC) Law

Review of Standards

PNS ISO 303: Road vehicles — Installation of lighting and light signalling devices for motor vehicles and their trailers

Road Vehicle Parts and Components Requiring Mandatory Product Certification:

PNS 06 – Lead-acid starter batteries

PNS 25 – Pneumatic Tires

PNS 34 – Rubber inner tubes for pneumatic tires

PNS 1892 – Road vehicles – Safety-belts and restraint systems

PNS 04 – Road vehicles – Automotive LPG components Containers

PNS 34 – Safety glass for road vehicles