

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City, Metro Manila

NINETEENTH CONGRESS
2nd Regular Session

House Bill No. **8974**



**Introduced by Representatives PAOLO Z. DUTERTE, ERIC G. YAP and
EDVIC G. YAP**

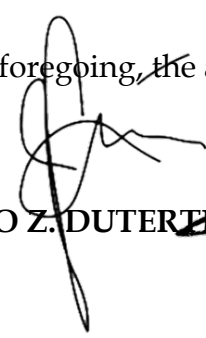
EXPLANATORY NOTE

Pursuant to Republic Act No. 4136, the Land Transportation Office (LTO) is given the mandate to register roadworthy motor vehicles prior to its use or operation on or upon any highway of the Philippines and may issue rules and regulations for the said process. At present, even electric vehicle technology has significantly advanced – paving way to other types of electric vehicles which are being manufactured to be beyond the current prescribed specifications of Light Electric Vehicles (LEVs) and Low Speed Vehicles (LSV).

It is in this regard that the Land Transportation Office (LTO) has been consistently issuing Administrative Orders and Memorandum Circulars that will respond to the progressing innovation of electric vehicles that will warrant its classification and registration for roadworthiness. The most recent of which is the LTO Administrative Order No. 2021-039 entitled *Consolidated Guidelines in the Classification, Registration, and Operation of All Types of Electric Motor Vehicles* – recognizing the need to draft an enabling legislation that will guarantee the continuity and institutionalization of these consolidated guidelines in terms of electric motor vehicles, in cognizance to the current Motor Vehicle Road User's Tax being charged to typical gasoline-powered vehicles and at the same time ensure road safety and protection among these electric vehicles.

This proposed bill seeks to establish the guidelines in the classification and registration of electric vehicles and regulate their operations through accreditation of electric vehicles' manufacturers, assemblers, importers, and dealers (MAIDs) and enforcement of penalties for electric vehicles' users that will violate road and traffic regulations.

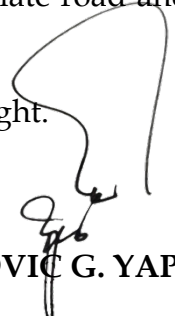
In view of the foregoing, the approval of this bill is earnestly sought.



PAOLO Z. DUTERTE



ERIC G. YAP



EDVIC G. YAP

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AN ACT
DEFINING THE CLASSIFICATION, REGISTRATION, AND OPERATION OF
ALL TYPES OF ELECTRIC MOTOR VEHICLES

Be it enacted by the Senate and House of Representatives of the Philippines in Congress assembled:

SECTION 1. *Short Title.* – This Act shall be known as the "*Electric Motor Vehicle Registration Act*".

SEC. 2. *Declaration of Policy.* – It is the declared policy of the State that its goals of national economy comprise equitable distribution of opportunities, income, and wealth; a sustained increase in the amount of goods and services produced by the nation for the benefit of the people; and an expanding productivity as the key to raising the quality of life for all. It is in this regard that pursuant to Republic Act No. 4136, the Land Transportation Office (LTO) is mandated to register roadworthy motor vehicles prior to its use or operation on or upon any highway of the Philippines to contribute to infrastructure development for the benefit of all road users as well as to increase regulation for road safety.

SEC. 3. *Definition of Terms.* – For the purposes of this Act, the term:

- a. *Electric Vehicle* means a motor vehicle powered by electric motors with power storage charge directly from external sources. The definition excludes hybrid vehicles.
- b. *Curb Weight* means total unloaded mass of a vehicle with standard equipment and all necessary operating consumables such as fluids, oils, coolant, refrigerant and batteries in the case of electric vehicles.
- c. *Unladen Weight* means unloaded weight of the vehicle. In the case of electric vehicles, it excludes the weight of the battery.
- d. *Category* refers to vehicle category as specified in the Philippine National Standards (PNS) on Road Vehicles-Classification and Definition PNS

- e. *Electric Mobility Scooter* refers to a two, three or four wheeled vehicles, with or without operable pedals, powered by electrical energy with less than 300 wattage capable of propelling the unit up to a maximum speed of 12.5 km/hr.
- f. *Category L Electric Vehicle* refers to motor vehicles with less than four wheels and including 4 wheeled vehicles with restrictions on maximum speed, maximum mass and maximum rated power as in the case of L6 and L7.
- g. *Category L1 (e-Moped 2w)* refers to a two wheeled vehicle, with or without pedals, powered by electrical energy capable of propelling the unit up to a maximum speed of 50 km/hr. For regulation purposes, they are further classified into Category L1a and L1b. E-bikes fall under this category.
- h. *Category L2 (e-Moped 3w)* refers to a three wheeled vehicle, with or without pedals, powered by electrical energy capable of propelling the unit up to a maximum speed of 50 km/h. For regulation purposes, they are further classified into Category L2a and L2b.
- i. *Category L3 (e-Motorcycle)* refers to a two wheeled vehicle, powered solely by electrical energy capable of propelling the unit more than 50 km/hr.
- j. *Category L4 and L5 (e-Tricycle/e-Three Wheeled Vehicle)* refer to a three wheeled motor vehicle powered solely by electrical energy with a minimum rated power of 1000 W capable of propelling the unit to no more than 50 km/hr and having a maximum curb weight of 600 kg. It is designed for the carriage of goods, cargoes, freights and passengers. They could be symmetrically or asymmetrically arranged in relation to the longitudinal median plain. Categories L4 and L5 refers to the asymmetrical and symmetrical versions respectively.
- k. *Category L6 and L7 (e-Quad)* refer to a four wheeled microcar with limited weight, power and speed. They are further classified into light electric quadricycles and heavy electric quadricycles.
- l. *Category L6* refers to an e-Quad having an unladen mass of not more than 350 kg powered solely by electrical energy of up to 4000 W capable of propelling the unit to a maximum of 45 km/hr.
- m. *Category L7* refers to an e-Quad having an unladen mass of not more than 550 kg powered solely by electrical energy of up to 15000 W capable of propelling the unit to more than 45 km/hr.
- n. *Category M Electric Vehicles* refer to at least four wheeled electric vehicles solely powered by electric energy and designed to carry heavier passenger loads than quadricycles. They are further classified into M1, M2 and M3.
- o. *Category M1* refers to a category M electric vehicle design to carry no more than eight (8) seats in addition to the driver and having a maximum gross

weight not exceeding 3.5 tons. Common examples under this category include most models of electric cars (e-cars), electric SUVs (e-SUV) and electric vans (e--vans).

- p. *Category M2* refers to a category M electric vehicle designed to carry more than eight (8) seats in addition to the driver and having a maximum gross weight more than 3.5 tons but not exceeding 5 tons. A common example under this category includes public utility e-jeepneys.
- q. *Category M3* refers to a category M electric vehicle designed to carry more than eight (8) seats in addition to the driver and having a maximum gross weight exceeding 5 tons. A common example under this category includes e-buses.
- r. *Category N Electric Vehicles* refer to at least four wheeled electric vehicles solely powered by electric energy and designed to carry heavier goods. They are further classified into N1, N2 and N3.
- s. *Category N1* refers to a category N electric vehicle having a maximum gross weight not exceeding 3.5 tons. A common example includes light trucks and light cargo vans.
- t. *Category N2* refers to a category N electric vehicle having a maximum gross weight more than 3.5 tons but not exceeding 12 tons and used for carriage of goods.
- u. *Category N3* refers to a category N electric vehicle comprising no more than eight (8) seats in addition to the driver and having a maximum gross weight exceeding 12 tons. A common example includes heavy trucks.
- v. *Accreditation* refers to the authority granted by LTO for Manufacturer, Assembler, Importer, Rebuilder and/or Dealer to transact with former relative to stock reporting, sales reporting and registration of motor vehicles and/or its component/s.

SEC. 4. Type and Category of Electric Motor Vehicles. – For the purposes of this Act, the following type and category of Electric Motor Vehicles shall be established:

I. Personal Mobility Scooter

It is designed for shorter trips and within communities. Their operation shall be limited within private roads subject to internal regulations on private roads. They may be operated on pedestrian walkways and bicycle lanes or on similar lanes designated by proper authorities with the rider required to wear a protective helmet similar to those designed for a bicycle rider. Driver's license and registration are not required.

II. Electric Kick Scooter

The operation of electric kick scooter shall be limited within barangay roads only. They may be operated on bicycle lanes or similar lanes designated by proper authorities.

Driver/rider of this vehicle is required to wear protective helmet similar to those designed for a motorcycle rider. Driver's license and registration are not required.

III. Category L1a

They are capable of propelling the unit up to a maximum speed of 25 km/hr. The operation shall be limited within barangay local roads only. It can pass national roads and other type of roads for purposes of crossing only when the road/lane it is allowed to traverse is divided by the former. They may be operated on bicycle lanes and similar lanes designated by proper authorities.

Driver/rider of this vehicle is required to wear a protective helmet similar to those designed for bicycle riders, when driven on the road. These shall not be used for public transport purposes. Driver's license and registration are not required.

IV. Category L1b

They are capable of propelling the unit to maximum of 26 to 50 km/hr. The operation of these vehicles may be allowed to go beyond barangay roads to cover other local roads provided that it will take the outermost part of the road close to the edge. It can pass main thoroughfares and national roads for purposes of crossing only when the road it is allowed to traverse is divided by the former and shall yield the right of way to all oncoming traffic that constitute an immediate hazard.

Drivers/riders of these units are required to wear motorcycle protective helmet. This type shall not be used for public transport purposes due to their lighter construction. Driver's license and registration are not required.

V. Category L2a

They are capable of propelling the unit up to a maximum speed of 25 km/hr. The operation shall be limited within or along private and barangay roads only. It can pass main thoroughfares and national road and other type of roads for purposes of crossing only when the road/lane it is allowed to traverse is divided by the former and shall yield the right of way to all oncoming traffic that constitute an immediate hazard. They may be operated on bicycle lanes considering their limited speed.

Drivers/riders of this vehicle are required to wear protective helmet, similar to those designed for bicycle riders, when driven on the road. They shall not be used for public transport purposes. Driver's license and registration are not required.

VI. Category L2b

They are capable of propelling the unit to a maximum speed of 26 to 50 km/hr. The operation of these vehicles may be allowed to go beyond barangay roads to cover other local roads provided that it will take the outermost part of the road close to the edge. It can pass main thoroughfares and national roads for purposes of crossing only when the road it is allowed to traverse is divided by the former and shall yield the right of way to all oncoming traffic that constitute an immediate hazard.

Drivers/riders of these units are required to wear motorcycle protective helmet. This type shall not be used for public transport purposes due to their lighter construction. Driver's license and registration are required.

VII. Category L3 Electric Vehicle (e-Motorcycle)

The operations of these vehicles are allowed in all types of roads except in limited access highways where vehicle speeds are normally faster except for units with higher power ratings the minimum of which will be determined by the Department of Transportation on separate issuance.

All drivers and riders are required to wear duly approved motorcycle helmets and should have a valid motorcycle driving license. Category 3 vehicles may be used for public transport subject to existing laws and regulations.

VIII. Category L4 and L5 Electric Vehicle (e-Tricycle/Three Wheeled Vehicle)

The operation of these vehicles may be allowed to go beyond barangay roads to cover other local roads and tertiary national roads and the driver is a bearer of appropriate driver's license. It can pass main thoroughfares and national roads for purposes of crossing only when the road it is allowed to traverse is divided by the former and shall yield the right of way to all oncoming traffic that constitute an immediate hazard.

Concerned Local Government Units (LGUs) may authorized these types of vehicles, whether private or "for hire", to traverse national highways or main thoroughfares thru the passage of an ordinance but shall be constrained to the outermost lane/part of the highway. Both are prohibited along limited access highways. Similar to a regular motorcycle-tricycle, helmet is not required.

IX. Category L6 and L7 Electric Vehicle (e-Quad)

The operation of these vehicles may be allowed to go beyond private and barangay roads to cover other local roads and tertiary national roads and the driver is a bearer of appropriate driver's license. It can pass main thoroughfares and national roads for purposes of crossing only when the road it is allowed to traverse is divided by the former and shall yield the right of way to all oncoming traffic that constitute an immediate hazard.

Concerned Local Government Units (LGUs) may authorized these types of vehicles, whether private or "for hire", to traverse national highways or main thoroughfares thru the passage of an ordinance but shall be constrained to the outermost lane/part of the highway. Both are prohibited along limited access highways. Similar to a regular motorcycle-tricycle, helmet is not required.

X. Category M1 Electric Vehicle (e-Car, e-SUV), Category M2 Electric Vehicle (e-Utility Vehicle, e-Jeepney) and Category M3 Electric Vehicle (e-Bus)

Existing rules and regulations governing the operation of Category M and N vehicles with diesel/gas fuel type shall be adopted for the electric vehicle counterpart.

XI. Category N1, N2, N3 Electric Vehicle (e-Truck)

Existing rules and regulations governing the operation of Category N vehicles with diesel/gas fuel type shall be adopted for the electric vehicle counterpart.

SEC. 5. Rates of Motor Vehicle Road User's Tax. – For the purposes of this Act, the following rates of Motor Vehicle Road User's Tax shall be applicable.

Electric Vehicle Type/Category	MVUC Rate
Category L2b and L3	Motorcycle without Sidecar
Category L4	Motorcycle with Sidecar
Category L5, L6 and L7	Similar to Car "Light"
Category M and N	Similar to Conventional Counterparts

SEC. 6. Requirements for Classification and Initial Registration of New Model Electric Vehicle. – To ensure compliance to the standards prescribed above and for proper classification pursuant to Section 5 of Republic Act No. 8794, all manufacturers, assemblers and/or importers of electric vehicles shall, not later than three (3) months prior to the introduction of any new model in the market, submit the specifications of such model to the LTO which shall determine the classification and the rate of MVUC which the new model shall fall.

The requirements for classification of new model electric vehicle and initial registration shall be in accordance with the requirements per existing policies, rules and regulations on the registration of motor vehicles except for emission requisites.

a) Requirements for Classification

1. Letter-request for classification
2. Specification of the electric vehicle
3. Photos of the vehicle submitted for classification
4. Motor Vehicle Inspection Report from LTO Motor Vehicle Inspection Center (MV1C)

b) Requirements for Initial Registration

1. Original Sales Invoice
2. Certificate of Stock Reported (CSR). It must be noted that the Certificate of Payment/Certification for components from the Bureau of Customs (BOC) is required prior to the application for CSR.
3. Original PNP-HPG MV Clearance
4. Appropriate Insurance Certificate of Cover

SEC. 7. *Plate and Special Lane for Registration and Recording.* – Plates and stickers of electric vehicles shall follow the specifications to be adopted by the LTO.

The LTO shall designate special lanes for the registration of electric vehicles from the effectivity of this Act. In offices where designation of special lanes is not feasible, electric vehicle transactions shall be assigned at Senior Citizen/PWD lanes.

SEC. 8. *Manufacturers, Assemblers, Importers, and Dealers (MAIDs) of Electric Vehicles.* – All MAIDs of electric vehicles shall apply and comply with the accreditation requirements of the LTO per existing rules and regulations. MAIDs of electric vehicles which do not require registration shall not be accredited by the LTO.

SEC. 9. *Penalties.* – Road violations of Electric Motor Vehicle shall be punished as follows:

- a) For not wearing helmet (driver/rider/backrider), a fine of Php 1,500.00;
- b) For operating in restricted roads (Obstruction), a fine Php 1,000.00;
- c) Failure to Carry OR/CR, a fine Php 1,000.00
- d) Unregistered / Expired Vehicle Registration, a fine of Php 10,000.00; and
- e) Other applicable penalties under DOTC JAO 2014-01 which fine is discretionary to the administrative agency taking into consideration all the attending circumstances.

SEC. 10. *Appropriations.* – The funds necessary to carry out the initial implementation of this Act shall be charged against the respective budget of concerned agencies for the current year. Thereafter, such sums as may be necessary for the continued implementation of this Act shall be included in the annual General Appropriations Act.

SEC. 11. *Implementing Rules and Regulations.* – Within ninety days (90) from the effectivity of this Act, the Department of Transportation (DOTr), in coordination with the Land Transportation Office (LTO), shall promulgate the necessary implementing rules and regulations to implement the provisions of this Act.

SEC 12. *Repealing Clause.* – All provisions of laws and rules inconsistent with the provisions of this Act are hereby repealed or amended accordingly.

SEC. 13. *Separability Clause.* – If for any reason, any section or provision of this Act is declared unconstitutional or invalid, the other sections or provisions not affected thereby shall remain in full force and effect.

SEC. 14. *Effectivity Clause.* - This Act shall take effect fifteen (15) days following its publication in a newspaper of general circulation.

Approved,