Republic of the Philippines
DEPARTMENT OF ENERGY

DEPARTMENT CIRCULAR NO. _____

GUIDELINES FOR THE ELECTRIC VEHICLE (EV) RECOGNITION AND ADOPTION OF EV STANDARD CLASSIFICATION ON ROAD TRANSPORT FOR INCENTIVE ELIGIBILITY PURSUANT TO THE ELECTRIC VEHICLE INDUSTRY DEVELOPMENT ACT

WHEREAS, Republic Act No. (RA) 7638 or the "Department of Energy (DOE) Act of 1992" declares as a policy of the State, among others, to ensure a continuous, adequate, and economic supply of energy with the end in view of ultimately achieving self-reliance in the country's energy requirements through the integrated and intensive exploration, production, management, and development of the country's indigenous energy sources;

WHEREAS, Sections 5 (e) and (h) of RA 7638 authorizes the DOE to regulate private sector activities as provided under existing laws providing therein an environment conducive to free and active private sector participation and investment in all energy activities, as well as to formulate and implement a program for the accelerated development of non-conventional energy systems and the promotion and commercialization on its applications;

WHEREAS, RA 11285 otherwise known as "Energy Efficiency and Conservation (EEC) Act" declares the policy direction of the government in terms of energy efficiency, conservation, sufficiency and sustainability in the country;

WHEREAS, RA 11697 or the "Electric Vehicle Industry Development Act (EVIDA)" declares that it is the policy of the State, among others, to ensure the country's energy security and independence by reducing reliance on imported fuel for the transportation sector; and provide an enabling environment for the development of electric vehicles (EVs) including options for micromobility as an attractive and feasible mode of transportation to reduce dependence on fossil fuels;

WHEREAS, Section 6(a) of the EVIDA, provides for the Comprehensive Roadmap for the Electric Vehicle Industry (CREVI) – a national development plan for the EV industry with an annual work plan to accelerate the development, commercialization, and utilization of EVs in the country, comprising the EVs and charging stations as one component, which includes the development of standards and specifications of EVs and charging stations, among others;

WHEREAS, Section 7(c) of the EVIDA, provides that the DOE shall be the primary agency tasked with the promotion of the adoption of EVs and the development of charging stations and related equipment. Towards this end, the DOE shall develop and update the EV and charging stations component of the CREVI in coordination with the Department of Transportation (DOTr), and in consultation with the local government units (LGUs) and other relevant national government agencies (NGAs).

WHEREAS, under Section 5 of the Implementing Rules and Regulations of the EVIDA (EVIDA-IRR), the DOE may recognize other types of EVs in considering future advances and innovations in technologies provided that it has at least one (1) electric drive for propulsion;

WHEREAS, Section 20 of the EVIDA-IRR, authorizes the DOE in consultation with the EVIDA-Technical Working Group (TWG) member agencies to issue guidelines for the effective implementation of the mandatory five percent (5%) EV share in Corporate and Government fleets, whether owned or leased within the timeframe indicated in the CREVI;

WHEREAS, Sections 37 and 38 of the EVIDA-IRR provides the prohibited acts and penalties for violations of the EVIDA;

WHEREAS, considering that the EV sector is still in its early stages of development, and as we owe the public correct information, there is a need to determine EVs that may be eligible for EVIDA incentives as well as harmonize the classification of EVs in determining the types of EVs given the rapid changes in the industry.

WHEREAS, the draft Circular was presented and comments solicited from the stakeholders on _____ in the National Capital Region, Luzon, Visayas and Mindanao.

NOW, **THEREFORE**, in consideration of all the foregoing, the DOE hereby issues, adopts and promulgates the following:

Section 1. Title. This Department Circular shall be known as the "EV Recognition Guidelines."

Section 2. Scope and Application. This Department Circular shall apply to all road transport EV manufacturers, assemblers, and importers (MAIs) for the classification and recognition of road transport EVs with the purpose to harmonize the types of EVs and provides easy identification of EVs among the NGAs and EV Industry.

The DOE shall issue a separate issuance for EVs concerning air and water vehicles, and other types of land vehicles (e.g., farm machinery, heavy equipment, etc.).

Section 3. Definition of Terms. In addition to the terms defined under Section 4(k), and Sections 4(l) and 5 of the EVIDA, and EVIDA-IRR, respectively, the following terms as used in this Department Circular shall apply:

3.1 "DOE-Recognized EV" refers to those EVs which are described, advertised, or promoted by vehicle manufacturers such as assemblers, importers, distributors, dealers, and rebuilders and (has undergone process), determined by the DOE and is/are listed in DOE website, and therefore may qualify for the EVIDA incentives;

3.2 "DOE (Online Platform)" refers to the official online platform of the DOE where DOE recognized EVs are listed and updated;

3.3 "Electric Vehicle (EV)" refers to a vehicle with at least one (1) electric drive for vehicle propulsion;

3.4 "EUMB" refers to Energy Utilization Management Bureau of the DOE;

3.5 "EVIDA Incentives" refers to the fiscal and non-fiscal incentives granted under Chapter IV and Rule VII of the EVIDA, and EVIDA-IRR, respectively;

3.6 "Importer" refers to any individual, partnership, corporation, or other entity, incorporated, organized, and existing under Philippine laws, engaged in the importation of completely built units of EVs, EV charging stations (EVCS) and related equipment, parts and components, and batteries;

3.7 "Manufacturer or assembler" refers to any individual, partnership, corporation, or other entity incorporated, organized, and existing under Philippine laws,

engaged in the manufacture and assembly of EVs, EVCS and related equipment, parts and components, and batteries;

3.8 "Promotional EV" refers to those EVs which are described, advertised, or promoted by vehicle manufacturers such as assemblers, importers, distributors, dealers, and rebuilders intended for display and/or is/are not intended for sale in the Philippine market;

3.9 "Road Vehicle" refers to vehicle designed to operate on a road; and

3.10 "Transport Vehicles" refer to land vehicles conveying cargo or passengers, regardless of size or weight classification.

3.11 "Unrecognized EV" refers to those EVs which are described, advertised, or promoted by vehicle manufacturers such as assemblers, importers, distributors, dealers, and rebuilders and is/are intended for sale in the Philippine market, and is/are ineligible to avail the EVIDA Incentives;

Section 4. Adoption of EV Classification. To provide a harmonized adoption of EVs in line with the targets under the CREVI, the DOE shall accord recognition to EVs as defined under the EVIDA and EVIDA-IRR, which shall be classified, determined, and is hereby adopted as follows:

4.1 Battery EVs (BEVs) are those EVs with an electrically propelled vehicle with only a traction battery as power source for vehicle propulsion. For the purpose of this Department Circular, pure electric vehicle (PEV) shall also be defined as BEV;

4.2 Hybrid-EVs (HEVs) are those EVs with both a rechargeable energy storage system and a fueled power source for propulsion;

4.3 Light EVs (LEVs) are those EVs used in micromobility that provide alternative modes of transportation which include electric scooters, electric bicycles, electric personal transport, and other similar vehicles weighing less than fifty kilograms (50 kg); and

4.4 Plug-in hybrid-EVs (PHEVs) are those HEVs with rechargeable energy storage system that can be charged from an external electric energy source.

In recognition of the advances and innovation of technologies, EVs may be further classified and determined by DOE upon the notice of vehicle manufacturers, assemblers, importers, distributors, dealers, and/or rebuilders: *Provided, That* the vehicle has at least one (1) electric drive used for propulsion.

Section 5. Road Transport Vehicle Classifications. For purposes of this Circular, the classification of transport vehicles shall be in accordance with "Annex A" Road Motor Vehicle Classification which adopts the Department of Transportation's (DOTr) road vehicle classification defined under the Philippine National Standards (PNS) 1891 – Road Vehicles – Classification and definition.

Section 6. EV Recognition Documentary Requirements. All vehicle manufacturers, assemblers, importers, distributors, dealers, and rebuilders shall notify the DOE through EUMB of all claimed EVs and shall submit the following documentary requirements:

5.1 Notice to DOE through EUMB *(Annex A);* and

5.2 Duly accomplished Electric Vehicle Specification Form *(Annex B).*

Section 7. Processing of EV Recognition Application. The procedure for EV recognition shall be as follows:

7.1 All vehicle MAIs who intend to apply for EV recognition shall send an application to the EUMB for every EV claimed for sale in the market. The complete applications shall conform with Section 6 of this DC. All applicants shall submit application documents through EUMB's official email address. EUMB will develop an online platform to facilitate ease of application which will be announced to all MAIs in place of the email submissions.

7.2 Within twenty (20) working days, the EUMB shall process the application and upon determination, recognized EVs shall be included in the official EV listing/database: Provided, that incomplete applications or applications not conforming to Section 7.1 will be returned.

7.3 The official EV listing/database will serve as the basis for the grant of incentives provided in the EVIDA and its pertinent rules and regulations.

7.4 Recognized EVs will be made available to the public by the DOE through its website and subject to regular update.

7.5 DOE-recognized EVs that are not marketed for a period of 90 calendar days will be removed from the list by MAIs through the DOE online platform.

7.6 For duplicate submissions, the DOE will process only the first submission within six (6) months for a particular EV type and its variants.

7.7 For revisions regarding data and/or information from submissions, the MAI shall file a request through the online platform or official email address. These shall be acted upon by the DOE within seven (7) working days. *Provided, That* revisions of data and/or information shall not include the following:

a. EV Classification;

b. Model Number/Code;

c. Type of Transmission;

d. Body type;

e. Electric motor rating;

f. Traction battery energy; and

g. Charger connector.

Request/s for the revisions of the abovementioned data and/or information shall be accepted as a new EV Recognition application.

Section 8. Recognized EV List. Pursuant to Section 11, (m) of the EVIDA-IRR, the DOE, through the EUMB, after consolidation and data centralization from concerned NGAs, LGUs shall update the list of recognized EV and shall be made available to them and to the public for reference and easy access. *Provided, That* all applications for the revision of data and/or information of existing EV models and new applications for new EV models intended for sale in the market for the succeeding year shall only be accepted every 30th day of October; *Provided Finally, That* the official EV listing/database shall be updated every November and applications received beyond 30th day of October will be included in the next updating of the official EV listing/database.

Section 9. Electric Vehicle Classification Harmonization. For harmonized regulations related to the EV Industry, all concerned NGAs, and LGUs shall adopt the classification of EVs provided in Section 4 of this Department Circular.

Section 10. Review Clause. In light of the dynamic nature of the industry, the DOE shall periodically review, update and issue the necessary rules relative to the operation of the EVCS every two (2) years from the date of issuance, or earlier as the need arises.

Section 11. Separability Clause. If for any reason, any section or provision of this Department Circular is declared unconstitutional or invalid, the other parts or provision hereof which are not affected hereby shall continue to be in full force and effect.

Section 12. Repealing Clause. The provisions of other circulars, orders, issuances, rules, and regulations, which are inconsistent with the provisions of this Department Circular are hereby repealed, amended, modified, or superseded accordingly.

Section 13. Effectivity. This Department Circular shall take effect immediately fifteen (15) days following its publication in at least two (2) national newspapers of general circulation. Copies of this Department Circular shall be filed with the University of the Philippines Law Center - Office of the National Administrative Register.

Issued on _____ at the Rizal Drive, Energy Center, Bonifacio Global City, Taguig City.

RAPHAEL P.M. LOTILLA
Secretary

(Company logo)

DEPARTMENT OF ENERGY
Energy Center, Rizal Drive,
Bonifacio Global City, Taguig City,
Philippines 1632

Attention: DIRECTOR
Energy Utilization Management Bureau (EUMB)
Department of Energy
Tel. No: (02) 8840-2289
Email: doe.eumb@gmail.com

Dear Sir/Madam:

The **<Name of entity/company/organization>,** located at **<Address>**, would like to notify and request to the Department of Energy (DOE) the recognition of our vehicle/s for sale as electric vehicle:

Vehicle Model	Electric Vehicle (EV) Type (i.e., HEV, PHEV, BEV)
Include additional rows as necessary.	

Also, we have attached and duly accomplished the Electric Vehicle Specification Form (Annex B) of the Department Circular No. XXXX-XX-XXXX.

Thank you.

Very truly yours,

(Authorized Representative)
(Designation)
(Company Name)

HEV OR PHEV SPECIFICATION FORM

Vehicle Classification	*Refer to Road Motor Vehicle Classification**
Electric Vehicle (EV) Classification	□ Hybrid Electric Vehicle (HEV) □ Plug-in HEV (PHEV) □ Battery Electric Vehicle (BEV) / Pure Electric Vehicles (PEV)
"Insert isometric view with white background of the vehicle model" at least 2"x2" size	
Brand Name (Make)	
Model Number/Code	
Year Model	
Name and address of manufacturer	
Unladen mass (kg)	
Vehicle size (m^2)	
Max. power (kW)	
Max. Torque (Nm) at specified rpm	
Fuel	□ Gasoline □ Unleaded □ Diesel □ Liquefied Petroleum Gas (LPG) □ Natural Gas (NG) □ Electric □ Others (please specify):_____
Vehicle emission standard	□ Euro4 □ Euro5 □ Euro6 □ Others (please specify):_____
Type of transmission	□ Manual □ Automatic □ Semi-automatic □ Others (please specify):_____
Body type M1	□ Sedan (saloon) □ Sport Utility Vehicle (SUV) □ Utility Vehicle (UV) □ Multi-Purpose Vehicle (MPV) □ AA Saloon □ AB Hatchback □ AC Station Wagon □ AD Coupé □ AE Convertible

	□ AF Multi-purpose vehicle □ Others (please identify):_____	
Number of seats		
Maximum vehicle design speed (km/h)		
Operating mode switch	□ With	□ Pure electric □ Pure fuel consuming □ Hybrid mode
	□ Without	
Fuel consumption	Combined fuel economy (km/L):	
	Running in pure fuel (km/L):	
	Running in pure electric (km/kWh):	
Fuel tank capacity (L)		
Electric motor	□ Synchronous □ Asynchronous	
Electric motor rating (kW)		
Traction battery energy (kWh)		
Traction battery mass (kg)		
Battery type	□ Lead acid □ Lithium ion (Li-ion) □ Lithium Sulfur (Li-S) □ Molten Salt (NA-$NiCl_2$) □ Nickel Cadmium (Ni Cd) □ Nickel Metal Hydride (Ni-MH) □ Others (please specify):_____	
Battery dimension (mm)	L = W = H =	
Operating temperature range of the traction battery (ºC)	___ºC to ___ ºC	
Charger connector**	□ On board □ External	Type: □ CHAdeMO □ GB/T □ CCS □ ChaoJi □ TESLA □ Others (please specify):_____
Charger Voltage** (V)		
Download Full Specification:	*(Please provide link to download the vehicles' full specification/brochure)*	

***additional information for PHEV only*

BEV/PEV SPECIFICATION FORM

Vehicle Classification	*Refer to Road Motor Vehicle Classification**
Electric Vehicle (EV) Classification	□ Hybrid Electric Vehicle (HEV) □ Plug-in HEV (PHEV) □ Battery Electric Vehicle (BEV) / Pure Electric Vehicles (PEV)
"Insert isometric view with white background of the vehicle model" at least 2"x2" size	
Brand Name (Make)	
Model Number/Code	
Year Model	
Name and address of manufacturer	
Unladen mass (kg)	
Vehicle size (m^2)	
Max. power (kW)	
Max. Torque (Nm) at specified rpm	
Fuel	□ Gasoline □ Unleaded □ Diesel □ Liquefied Petroleum Gas (LPG) □ Natural Gas (NG) □ Electric □ Others (please specify):_____
Vehicle emission standard	□ Euro4 □ Euro5 □ Euro6 □ Others (please specify):_____
Type of transmission	□ Manual □ Automatic □ Semi-automatic □ Others (please specify):_____
Body type M1	□ Sedan (saloon) □ Sport Utility Vehicle (SUV) □ Utility Vehicle (UV) □ Multi-Purpose Vehicle (MPV) □ AA Saloon □ AB Hatchback □ AC Station Wagon □ AD Coupé

	□ AE Convertible □ AF Multi-purpose vehicle □ Others (please identify):_____
Number of seats	
Maximum vehicle design speed (km/h)	
Transmission arrangement	□ Parallel □ Trans-axial □ Others, please specify:_____
Traction battery energy (kWh)	
Traction battery mass (kg)	
Battery type	□ Lead acid □ Lithium ion (Li-ion) □ Lithium Sulfur (Li-S) □ Molten Salt (NA-$NiCl_2$) □ Nickel Cadmium (Ni Cd) □ Nickel Metal Hydride (Ni-MH) □ Others (please specify): _____
Battery dimension (mm)	L = W = H =
Operating temperature range of the traction battery (ºC)	___ºC to ___ºC
Electric motor	□ Synchronous □ Asynchronous
Electric motor rating (kW)	
Uphill slope capability (% slope)	
International protection (IP)-code	
Charger connector	□ On board □ External Type: □ CHAdeMO □ GB/T □ CCS □ ChaoJi □ TESLA □ Others (please specify):_____
Charger Voltage (V)	
Download Full Specification:	*(Please provide link to download the vehicles' full specification/brochure)*

***** *Road Motor Vehicle Classification*

Classification	Description	Other description[1][2]
L	road motor vehicles with less than four wheels and including 4 wheeled vehicles with restrictions on maximum speed, maximum mass and maximum rated power	
L1	a two-wheeled vehicle with a maximum design speed not exceeding 50 km/h	mopeds, light electric vehicle (LEV)

[1] Department of Transportation (DOTr) Department Order 2010-32

[2] DOTr Guidelines and Procedures Governing the Issuance of Student-Driver's Permit, Conductor's License and Driver's License

Classification	Description	Other description[1][2]
L2	a three-wheeled vehicle with a maximum design speed not exceeding 50 km/h	mopeds, LEV
L3	a two-wheeled vehicle with a maximum design speed exceeding 50 km/h	motorcycle without sidecar, LEV
L4	a vehicle with three wheels asymmetrically arranged in relation to the longitudinal median plane with a maximum design speed exceeding 50 km/h (motorcycle with sidecar)	motorcycle with sidecar, LEV
L5	a vehicle with three wheels symmetrically arranged in relation to the longitudinal median plane with a maximum design speed exceeding 50 km/h	three-wheeled vehicle
L6	a vehicle with four wheels whose unladen mass is not more than 350 kg, not including the mass of the batteries in case of electric vehicles, whose maximum design speed is not more than 45 km/h	
L7	a vehicle with four wheels, other than that classified for the category L6, whose unladen mass is not more than 400 kg (550 kg for vehicle intended for carrying goods), not including the mass of batteries in the case of electric vehicles, whose maximum design speed is not more than 45 km/h	

M	road motor vehicles having at least four wheels and used for the carriage of passengers	
M1	vehicles used for the carriage of passengers and comprising not more than eight (8) seats in addition to the driver's seat, and having a gross vehicle weight not exceeding 5000 kg	passenger car, utility vehicle (UV), sports utility vehicle (SUV), low speed vehicle (LSV), high speed vehicle (HSV), taxi, filcab, tourist car, tourist metered taxi, school transport
M2	vehicles used for the carriage of passengers, comprising more than eight (8) seats in addition to the driver's seat, and having a gross vehicle weight not exceeding 5000 kg	LSV, HSV, UV, filcab, public utility jeepney (PUJ), minibus, tourist transport service, GT Express service, shuttle service, school transport service
M3	vehicles used for the carriage of passengers, comprising more than 8 seat in addition to the driver's seat and having a maximum gross vehicle weight exceeding 5000 kg	bus, LSV, HSV, UV, PUJ, minibus, public utility bus (PUB) shuttle service, tourist bus, school transport service

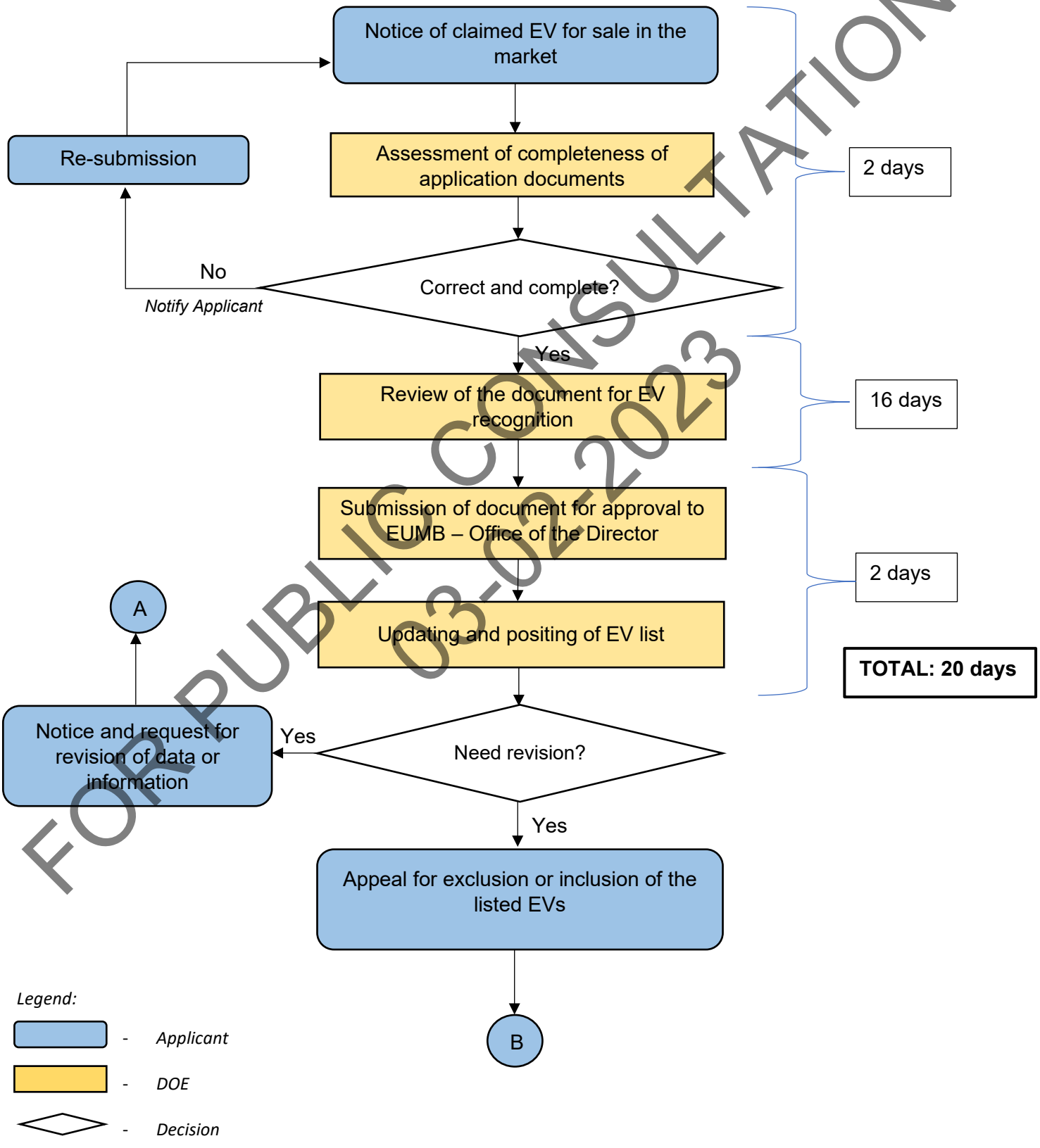
N	road motor vehicles having at least four wheels and used for the carriage of goods	
N1	vehicles used for the carriage of goods and having a maximum gross vehicle weight not exceeding 3500 kg	UV, truck for hire
N2	vehicles used for the carriage of goods and having a maximum gross vehicle weight exceeding 3500 kg but not exceeding 12000 kg	UV, trucks, truck for hire
N3	vehicles used for the carriage of goods and having a maximum gross vehicle weight exceeding 12000 kg	trucks, truck for hire

O	trailers and semi-trailers	
O1	trailers and semi-trailers with a maximum gross vehicle weight not exceeding 750 kg	trailers

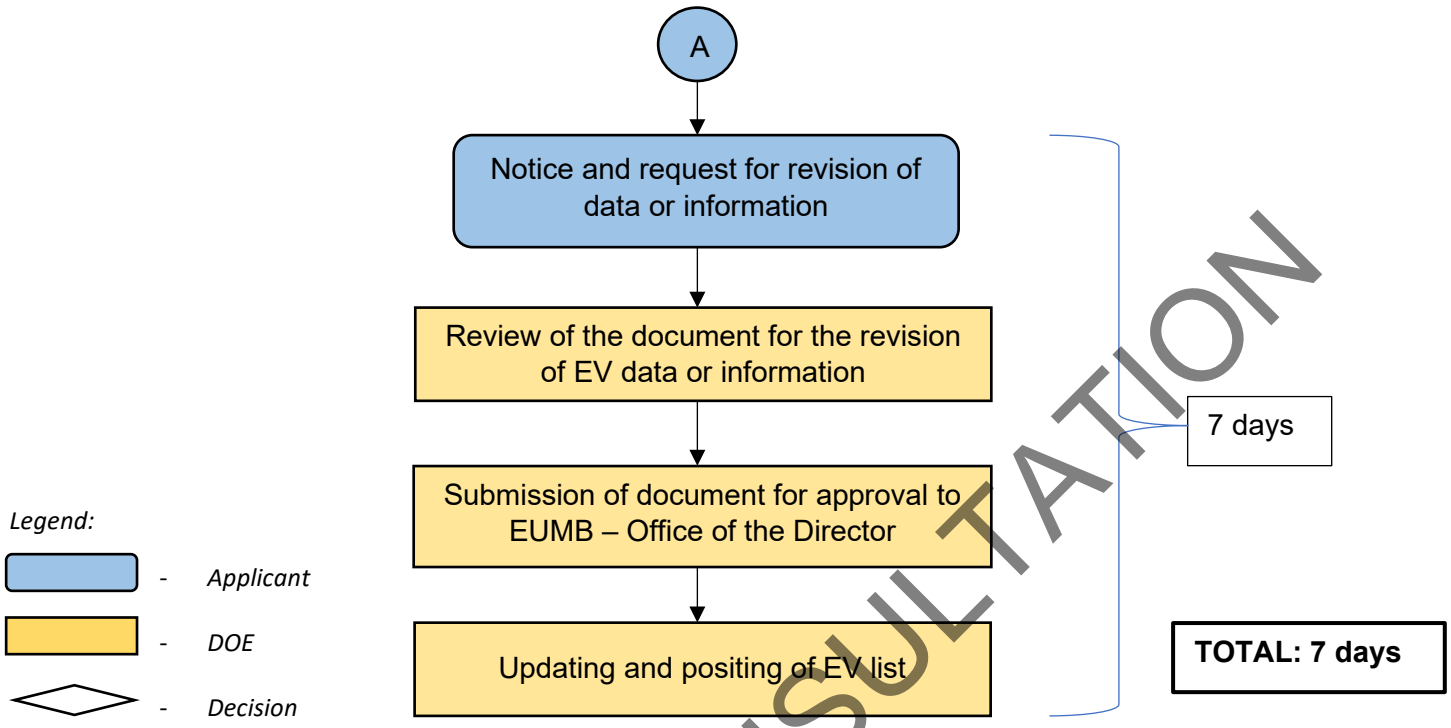
Classification	Description	Other description[1][2]
O2	Trailers and semi-trailers with a maximum gross vehicle weight exceeding 750 kg but not exceeding 3500 kg	trailers
O3	Trailers with a maximum gross vehicle weight exceeding 3500 kg but not exceeding 10000 kg	trailers
O4	Trailers with a maximum gross vehicle weight exceeding 10000 kg	trailers

	Energy Utilization Management Bureau **Quality Management System** **PROCEDURE FOR THE ELECTRIC VEHICLE CHARACTERIZATION (ANNEX C)**	Doc Ref No.:	**EUMB-DEVO-OP-005**
		Effective Date:	**xx-xxxx-xx**
		Revision No.:	**0**
		Page No.:	**1 of 2**

FLOW CHART PROCEDURE FOR THE ELECTRIC VEHICLE CHARACTERIZATION



FLOW CHART PROCEDURE FOR THE REVISION OF DATA AND/OR INFORMATION OF ELECTRIC VEHICLE CHARACTERIZATION



FLOW CHART PROCEDURE FOR THE APPEAL FOR EXCLUSION/INCLUSION OF THE LISTED ELECTRIC VEHICLE