

ELECTRIC MOBILITY DEVICES

SCOPE

■ All on- and off-road electric mobility devices

Below is a non-exhaustive list of these electric mobility devices:

ON-ROAD: electrically assisted bicycles (EABs)

OFF-ROAD: folding scooters; Segways; scooters (with or without a saddle); skateboards; hoverboards, smartboards or spinboards; onewheels, monorovers or solowheels

■ The batteries and electric charging systems for these devices, whether integrated or independent

REGULATIONS APPLYING TO ALL ELECTRIC DEVICES

1 - MACHINERY

Click on the link for information on regulations governing machinery

[Machinery factsheet](#)

2 – ELECTROMAGNETIC COMPATIBILITY

Click on the link for information on regulations governing electromagnetic compatibility

[Electromagnetic compatibility factsheet](#)

3 – THE RoHS DIRECTIVE (on the restriction of the use of certain hazardous substances in electrical and electronic equipment)

As the product is an electrical or electronic product, it may be covered by [Decree no. 2013-988](#) of 6 November 2013 (codified in Articles 543-171-1 *et seq.* of the French Environment Code), writing the RoHS Directive [2011/65/EU](#) into French law.

Further information is available on the website of the [Ministry for the Ecological and Inclusive Transition](#).

4 – THE SAFETY OF LOW-VOLTAGE ELECTRICAL EQUIPMENT

If the charging system is integrated into the device and cannot be disassociated from it, the safety requirements provided for in the Low Voltage Directive (LVD) 2014/35/EU apply to both the device and charging system in the context of the Machinery Directive 2006/42/EC (Refer to point 1.5.1 of Annex I to the Machinery Directive).

REGULATIONS SPECIFIC TO ELECTRICALLY ASSISTED BICYCLES (EABs)

➤ REGULATIONS APPLYING TO EABs:

■ Click on the link for information on regulations governing bicycles [Bicycles factsheet](#)

■ And all REGULATIONS APPLYING TO ALL ELECTRIC DEVICES (Refer to the previous box)

NB: TO BE CLASSIFIED AS A BICYCLE, AN EAB MUST COMPLY WITH THREE CONDITIONS:

- 1- The motor's maximum power must be no more than 250 watts **and**
- 2- The motor can only assist rather than replace pedalling **and**
- 3- The motor must cut out at over 25 km/h

➤ **MOTOR WITH POWER OF OVER 250 WATTS OR ENABLING THE EAB TO REACH SPEEDS OF MORE THAN 25 km/h**

In this case, under regulations, the EAB is deemed to be an **electric moped**, or an **electric motorcycle** if it is able to travel at more than 45 km/h.

In order to be registered, these types of EABs must be subject to type-approval pursuant to the provisions of [Regulation \(EU\) No 168/2013](#) on the approval and market surveillance of two- or three-wheel vehicles and quadricycles which replaced [Directive 2002/24/EC \(amended\)](#) on 1 January 2016.

In France, approval applications should be sent to the *Centre national de réception des véhicules* (CNRV), *Autodrome de Linas-Montlhéry 91310 Linas, France*.

<http://www.drie.ile-de-france.developpement-durable.gouv.fr/centre-national-de-reception-des-vehicules-r180.html>

■ **Regulations governing approvals**

- Ministry for the Ecological and Inclusive Transition:
 - Directorate General for Energy and Climate (DGEC)
Heavy and Two-Wheel Vehicles Bureau – 6B
6b.sd6.scee.dgec@developpement-durable.gouv.fr

REGULATIONS SPECIFIC TO BATTERIES

Click on the link for information on regulations governing batteries and accumulators

[Batteries and accumulators factsheet](#)

REGULATIONS APPLYING TO INDEPENDENT ELECTRIC CHARGING SYSTEMS

THE SAFETY OF LOW-VOLTAGE ELECTRICAL EQUIPMENT

Click on the link for information on regulations governing low voltage

[Low voltage factsheet](#)

NB: The Low Voltage Directive (LVD) 2014/35/EU does not apply to the associated electric device.

CONTACTS

■ **Regulations on machinery**

➤ **AUTHORITY IN CHARGE OF REGULATIONS**

- Ministry for Labour:
 - Directorate General for Labour (DGT) – Equipment and Workplaces Bureau – CT3 –
Tel. +33 1 44 38 26 79

➤ MARKET SURVEILLANCE AUTHORITIES

- Ministry for Labour:
 - Directorate General for Labour (DGT) – Equipment and Workplaces Bureau – CT3 – Tel. +33 1 44 38 26 79
- Ministry for the Economy and Finance:
 - Directorate General for Competition Policy, Consumer Affairs and Fraud Control (DGCCRF) – Industrial Products Bureau – 5A – bureau-5a@dgccrf.finances.gouv.fr
- Ministry for Government Action and Public Accounts
 - Directorate General of Customs and Excise (DGDDI) – Bureau D2 – dg-d2@douane.finances.gouv.fr

■ Regulations on electromagnetic compatibility

➤ AUTHORITY IN CHARGE OF REGULATIONS

- Ministry for the Economy and Finance:
 - Directorate General for Enterprise (DGE) – SQUALPI – Product Regulation Bureau reglementation-produits.dge@finances.gouv.fr

➤ MARKET SURVEILLANCE AUTHORITIES

- Ministry for the Economy and Finance:
 - Directorate General for Competition Policy, Consumer Affairs and Fraud Control (DGCCRF) – Industrial Products Bureau – 5A – bureau-5a@dgccrf.finances.gouv.fr
- Ministry for Government Action and Public Accounts:
 - Directorate General of Customs and Excise (DGDDI) – Bureau D2 – dg-d2@douane.finances.gouv.fr

■ Regulations on the RoHS, WEEE and batteries and accumulators directives

➤ AUTHORITY IN CHARGE OF REGULATIONS

- Ministry for the Ecological and Inclusive Transition:
 - Directorate General for Risk Prevention (DGPR) – Bureau for Prevention and Sectors with Extended Producer Responsibility bpfpred.sddec.srsedpd.dgpr@developpement-durable.gouv.fr

➤ MARKET SURVEILLANCE AUTHORITIES

- Ministry for the Economy and Finance:
 - Directorate General for Competition Policy, Consumer Affairs and Fraud Control (DGCCRF) – Industrial Products Bureau – 5A – bureau-5a@dgccrf.finances.gouv.fr
- Ministry for Government Action and Public Accounts:
 - Directorate General of Customs and Excise (DGDDI) – Bureau D2 – dg-d2@douane.finances.gouv.fr
- Ministry for the Ecological and Solidarity-Based Transition:
 - Directorate General for Risk Prevention (DGPR) – Bureau for Prevention and Sectors with Extended Producer Responsibility bpfpred.sddec.srsedpd.dgpr@developpement-durable.gouv.fr