

Mapping of legislation/guidelines/codes relating to fire safety for recharging infrastructure and electric vehicles in underground/above ground covered parking areas

Fields marked with * are mandatory.

Introduction

The Sustainable Transport Forum (STF) was set up to assist the Commission in implementing the Union's activities and programmes aimed at fostering the deployment of alternative fuels infrastructure to contribute to the European Union energy and climate goals. The STF serves as a platform for structural dialogue, exchange of technical knowledge, cooperation and coordination between Union Member States and relevant public and private stakeholders.

The "Public Authorities" sub-group of the Sustainable Transport Forum has recently created a specific Task force with the aim of developing guidelines to ensure fire safety for recharging infrastructure and electric vehicles in underground and above ground covered parking areas. This is an important task as the majority of charging needs will be met by 2030 through private recharging points (*According to the Commission proposal for AFIR (Alternative Fuels Infrastructure Regulation) from 2021 only 40% of charging needs will be met by 2030 through publicly accessible recharging points. Therefore, the relevant provisions regarding private recharging points in buildings were included in the proposal for the revision of the Energy Performance of Building Directive in 2021*). One of the first objectives of this taskforce is to provide an overview of legislation/guidelines across Member States with regards to fire safety in covered parking lots. This survey is a first step to identify legislations and guidelines in place in Europe (in Member States, regions and locally) and beyond. More specific survey will be shared with you at a later stage to focus in depth on risks, challenges, solutions and best practices.

If you have more information that you would like to share or if you would like to engage with us on this work, you can reach us at:

- aleksandra.klenke@ec.europa.eu
- eugenio.quintieri@firesafeeurope.eu
- raphael@avere.org

Thank you for your time and for helping us advance the work on electromobility fire safety in Europe.

Respondent information

* You are responding on behalf of

- Public authority
- Fire brigade
- Individual company

- Trade association
- NGO
- Research institute
- Other (please specify)

Please specify "other"

* Please state your own name, last name, title, email and telephone (For further questions/clarifications. This will not be published.)

* Please state the full name, country/region/city/municipality/locality of the organisation on whose behalf you are responding to this questionnaire.

* Please briefly provide more details on the main activities of your company/organisation in relation to fire safety of underground/above ground covered parking areas

* Are you aware of current or upcoming legislation/building code/guidelines in your country/region/local area addressing fire safety of underground parking areas and/or above ground covered parking areas?

- Yes
- No

If yes, can you please provide the title of the legislation/building code/guidelines, the link(s)/attached documents and if possible a short description for each relevant legislation/guideline (Maximum 5 legislation /building code/guidelines):

Legislation/Building code/Guideline 1

Name of a legislation/building code/guideline

* Type

- Legislation
- Guideline
- Building code

Short description, including urls to the legislation, building code or guidelines

If possible, please upload the legislation, building code or guidelines

Please provide more information on the legislation/building code/guidelines provided (e.g. requirements related to fire detection, early suppression, evacuation, compartmentation, limitation regarding installation of charging points (in terms of location (which underground levels are permitted/not permitted; distance from parking exit or main extinction facility...), number of charging points, max individual power / max cumulative power installed, DC/HPC permitted or not...), structural safety, fire fighting, etc):

Country/region/city/municipality/locality or any other local entity to which the legislation/building code /guideline applies

* Does it apply only to underground car parks or also to above ground covered car parks?

- Underground parking areas only
- Above ground covered parking areas only
- Both underground and above ground covered parking areas

* Does it include requirements or guidance specific to electric vehicles?

- Has specific requirements for electric vehicles
- Does not have specific requirements for electric vehicles

* What type of buildings are covered? Does it apply only to new buildings or also to existing buildings?

- New buildings only
- Existing buildings only
- Both new and existing buildings

* Does the legislation apply to public/private buildings?

- Public buildings only
- Private buildings only
- Both public and private buildings

Other comments

* Would you like to add another legislation/building code/guideline ?

- Yes
- No

Legislation/Building code/Guideline 2

Name of a legislation/building code/guideline

* Type

- Legislation
- Guideline
- Building code

Short description, including urls to the legislation, building code or guidelines

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Legislation/Building code/Guideline 3

Name of a legislation/building code/guideline

* Type

- Legislation
- Guideline
- Building code

Short description, including urls to the legislation, building code or guidelines

If possible, please upload the legislation, building code or guidelines

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Legislation/Building code/Guideline 4

Name of a legislation/building code/guideline

* Type

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- Guideline
- Building code

Short description, including urls to the legislation, building code or guidelines

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 - Yes
 - No

Legislation/Building code/Guideline 5

Name of a legislation/building code/guideline

- * Type
 - Legislation
 - Guideline
 - Building code

Short description, including urls to the legislation, building code or guidelines

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Other comments

You have reached the maximum number (5) of legislation/building code/guidelines to add.