

# Information sheet

## Presentation of vehicles in exhibition halls

Exhibitors intending to exhibit motor vehicles must indicate this in their application for stand approval.

**Exhibition vehicles with internal combustion engines** may be exhibited in the halls only if the fuel tank has been largely emptied and locked. As a rule the battery should be either disconnected or removed. The regular battery may be used in an exhibition vehicle if the following points are observed:

1. Batteries must not produce any hazardous gases; this can be ensured by using either gel batteries or other safety devices (voltage monitors).
2. The battery contacts must be designed with touch protection. This applies in particular to the arrangement of the batteries in the engine compartment and when the bonnet/hood is open.
3. The starter motor must be permanently disconnected from the starter battery.

**For vehicles with electric or hybrid drive** or alternative drive trains, as a rule the battery must be either removed or replaced with a dummy. In exceptional cases electric vehicles with batteries may be exhibited if the relevant requirements are satisfied. Messe Frankfurt requires the following information about electric vehicles to be exhibited:

1. Number of vehicles with electric propulsion to be exhibited
2. Position of the electric vehicles on the exhibition stand
3. Rescue/accident cards
4. Name of a responsible contact person for these vehicles should any queries be necessary.

If the battery cannot be removed from the vehicle for technical reasons, certain safety measures will be required instead. The battery must be in a non-critical condition; the manufacturer shall decide whether the battery should be fully charged or discharged, as the requirements may differ depending on the battery type. The engine must be disconnected from the battery. Suitable extinguishing agents (e.g. carbon dioxide or nitrogen, depending on the battery type) must be kept close to the exhibition vehicles.

Messe Frankfurt uses the information provided to create a map of the danger zones in each hall level and in the open-air section. The plans show these hazard points and will be supplemented with the accident/hazard cards for each vehicle model. If the manufacturer does not (yet) have such a card, Messe Frankfurt will prepare an information card. The main information contained will be the vehicle manufacturer, vehicle type, hall and stand number, name and mobile telephone number of the technical contact person, battery position, battery type, voltage, critical battery temperature, suitable extinguishers, voltage isolation measures, position of the circuit breaker, etc.

Exhibitors using an entire hall level are requested to prepare the corresponding plans themselves and to submit them to Messe Frankfurt with the above mentioned documents. The information is collected by the Technical Event Management department of Messe Frankfurt.

**Temporary charging of electric vehicles** during the event has to be registered (in written form) to the organizer and Messe Frankfurt (Technical Eventmanagement, [technics@messefrankfurt.com](mailto:technics@messefrankfurt.com)) at least six weeks before setup. Charging is only allowed after approval and with a present permission on site. In addition to the general terms and conditions for E-vehicles in exhibition mode, the following points must be observed:

1. Charging may only be carried out by series-production vehicles which have been approved by the federal office for motor vehicles. Charging on prototypes is not allowed.
2. It must be ensured that trained staff is present on site during the charging process which can take appropriate arrangements in case of danger. As part of the presentation the switching operation must be initiated and accompanied by a trained staff member and also has to be interrupted by one after the presentation.
3. In immediate environment (radius of 2 meters) of the charging station, the stand construction must be carried out in non-combustible material and kept as free of fire as possible.
4. It has to be ensured that the efficiency of the existing onsite extinction systems in the area of the charging process won't be affected
5. It has to be ensured that sufficient and appropriate extinguishing equipment will be provided in the area of the presented vehicles.
6. To support the fire-brigade in case of emergency the rescue data sheets (rescue cards) with information to the location of the batteries etc. must be deposited at the stand and have to be provided to Messe Frankfurt in advance.
7. The charging station is an extension of the electrical system and must be carried out by an approved electrician, taking into account of the relevant regulations. This ensures the safety functionality including current safety devices of the installation.
8. Sufficient and appropriate extinguishers are to be kept at the stand. For vehicles with electric and combustion engines the fuel tank must be largely empty and locked. 6. Positions of e-vehicles (with alternative technology) within the stand area have to be marked in a separate plan.
9. Charging of electric vehicles in foyers with emergency routes, necessary stairways or outdoor exits is not allowed.

Unintentional or willful movement of the vehicles during charging must be excluded by technical arrangements taken by the exhibitor.

**Gas-powered motor vehicles may be exhibited** in the halls only if their gas tank has been emptied and depressurised.

Messe Frankfurt must be informed of any changes to the choice or position of exhibition vehicles made at short notice.

Contact:

Messe Frankfurt Venue GmbH

Technical Event Management — Trade Fairs (V 31)

Phone: +49 69 7575-5904

E-Mail: [veranstaltungstechnik@messefrankfurt.com](mailto:veranstaltungstechnik@messefrankfurt.com)