Technical regulations 2022

Contents

1 Introduction 2
1.1 Site regulations, extract from site regulations 2
1.2 Opening times 2
1.2.1 Assembly and dismantling times 2
1.2.2 Duration of event 2
1.3 Responsible use of energy 2

2. Traffic in the exhibition grounds, escape routes, safety equipment 2
2.1 Traffic regulations 2
2.2 Escape routes 3
2.2.1 Fire brigade zones, hydrants 3
2.2.2 Emergency exits, escape hatches, hall gangways 3
2.3 Safety equipment 3
2.4 Stand numbering 3
2.5 Security 3
2.6 Emergency evacuation 4

3. Technical details and equipment of halls and outdoor area 4
3.1 Hall details 4
3.1.1 General lighting, power supply, voltage 4
3.1.2 Compressed air, electricity and water supply 4
3.1.3 Communication facilities 4
3.1.4 Sprinklers 4
3.1.5 Heating, ventilation 4
3.1.6 Failures 4
3.2 Outdoor area 4

4. Stand construction regulations 4
4.1 Stand safety 4
4.2 Approval of stand construction 4
4.2.1 Inspection and acceptance of structures requiring approval 5
4.2.2 Vehicles and containers 5
4.2.3 Modification of non-conforming components 5
4.2.4 Extent of liability 5
4.3 Construction heights 5
4.4 Fire prevention and safety regulations 5
4.4.1 Fire protection 5
4.4.1.1 Stand construction and decoration materials 5
4.4.1.2 Exhibition of motor vehicles 6
4.4.1.3 Explosive substances, munitions 6
4.4.1.4 Pyrotechnics 6
4.4.1.5 Balloons 6
4.4.1.6 Flying objects 6
4.4.1.7 Fog machines 7
4.4.1.8 Ash container, ashtray, smoking ban 7
4.4.1.9 Waste and recycling material containers 7
4.4.1.10 Spray guns, solvents 7
4.4.1.11 Abrasive cutting and all other work using naked flame 7
4.4.1.12 Empty packaging/storage of materials 7
4.4.1.13 Fire extinguishers 7
4.4.2 Stand roofing 8
4.4.3 Glass and acrylic glass 8
4.4.4 Reception rooms/inner rooms 8
4.5 Exits, escape routes, doors 8
4.5.1 Exits and escape routes 8
4.5.2 Doors 8
4.6 Platforms, ladders, stairs, and catwalks 9
4.7 Stand design 9
4.7.1 Appearance 9
4.7.2 Verification of rented area 9
4.7.3 Interference with building fabric 9
4.7.4 Hall floors 9
4.7.5 Suspending objects from hall ceilings 10
4.7.5.1 Provision of suspension points 10
4.7.5.2 Attaching objects to suspension points 10
4.7.5.3 Use of truss systems 10
4.7.5.4 Use of lifting equipment 11
4.7.5.5 Electric hoists 11
4.7.5.6 Manual hoists 11
4.7.6 Stand partition walls 11
4.7.7 Advertising materials, presentations 11
4.7.8 Disabled access 11
4.8 Outdoor area 11
4.8.1 Stand approval/ stand structures requiring permission 12
4.8.2 Ground anchors 12
4.8.3 Weather-related loads 12
4.8.3.1 Wind loads 12
4.8.3.2 Wind loads for temporary structures 12
4.8.3.3 Snow loads 12
4.8.4 Weather alerts 12
4.8.5 Exits/escape routes 12
4.8.6 Glass 12
4.9 Two-storey stands 12
4.9.1 Application 12
4.9.2 Regulations on building over stand areas, safety clearances, height of rooms in stands 12
4.9.3 Permissible loads/load assumptions 12
4.9.4 Escape routes, stairs 13
4.9.5 Building materials 13
4.9.6 Upper floor 13

5. Industrial safety, technical safety regulations, technical rules, technical supplies 13
5.1 General regulations 13
5.1.1 Damage 13
5.1.2 Coordination of work at the exhibition site 13
5.2 Use of tools and equipment 13
5.2.1 Explosive mixtures 14
5.2.2 Devices for catching wood dust and shavings 14
5.3 Electrical installation 14
5.3.1 Connections 14
5.3.2 Stand installation 14
5.3.3 Installation and operating regulations 14
5.3.4 Safety measures 14
5.3.5 Emergency lighting 15
5.4 Water and waste water installation 15
5.4.1 Connections 15
5.5 Compressed air/gas installation 15
5.5.1 Compressed air 15
5.5.1.1 Connections 15
5.5.1.2 Stand installationens 15
5.5.1.3 Installation and operating regulations 15
5.5.1.4 Compressed air cylinders 15
5.5.1.5 Compressors 15
5.5.2 Gas 15
5.6 Machines, pressure vessels, exhaust gas systems 16
5.6.1 Noise emission 16
5.6.2 Product safety 16
5.6.2.1 Safety devices 16
5.6.2.2 Inspection procedures 16
5.6.2.3 Requirements for start of operation 16
5.6.3 Pressure vessels 16
5.6.3.1 Acceptance certificate 16
5.6.3.2 Testing 16
5.6.3.3 Rented equipment 16
5.6.3.4 Supervision 16
5.6.4 Exhaust gases and vapors 16
5.6.5 Exhaust gas systems 16
5.7 Use of compressed gases, liquid gases and combustible liquids, fuel paste and other fuels 16
5.7.1 Compressed and liquid gas systems 16
5.7.1.1 Approval of compressed gas cylinders 16
5.7.1.2 Use of liquid gas 17
5.7.1.3 Installation and maintenance 17
5.7.2 Combustible liquids 17
5.7.3 Fuel paste and other fuels 17
5.8 Hazardous substances 17
5.9 Performance areas 17
5.10 Radiation protection 17
5.10.1 Radioactive substances 17
5.10.2 X-ray systems and stray radiation sources 18
5.10.3 Laser systems 18
5.10.4 LEDs 18
5.11 High-frequency equipment, radio installations, electromagnetic compatibility and harmonics 18
5.12 Cranes, forklift trucks, empty containers 18
5.12.1 Displaying heavy and bulky exhibits and machines 18
5.12.2 Exhibition and/or operation of cranes, lifting equipment, construction equipment and other equipment 19
5.13 Musical reproduction 19
5.14 Beverage dispensing systems 19
5.15 Handling foods 19
5.15.1 Requirements for stand/kitchen equipment 19
5.15.2 Cooking appliances and food preparation processes 19
5.15.3 Barbecuing 20

6. Environmental protection 20
6.1 Waste management 20
6.1.1 Waste disposal 20
6.1.2 Hazardous waste 20
6.1.3 External waste 20
6.2 Water, waste water, soil protection 20
6.2.1 Oil and grease separators 20
6.2.2 Cleaning, cleaning agents 20
6.3 Environmental damage 20

1. Introduction

NürnbergMesse GmbH, hereinafter known as NürnbergMesse, has drawn up regulations for its events with the aim of providing all exhibitors/organizers with optimum facilities for presenting their exhibits and approaching their visitors and potential customers.
These regulations are mandatory for all exhibitors, engaged subcontractors and organizers. In the interest of our exhibitors and visitors, these regulations also include safety regulations, which are intended to ensure the highest degree of safety for the technical and design aspects of events. The building regulations, fire prevention regulations and other safety regulations have been agreed with the responsible departments of the Nuremberg authorities. NürnbergMesse reserves the right to check for compliance with these regulations. Compliance with the applicable statutory regulations is also compulsory.
Wherever the term **"Stand Construction"** is used in the Technical Regulations in line with accepted linguistic usage, it does not refer to a structure as defined by the German Building Code. In legal terms, an exhibition stand/stand construction in the exhibition halls is an "installation" in a place of assembly.
The organization of an event/operation of an exhibition stand may be prohibited in the interest of all participants if any defects found have not been cleared by the start of the event. The right is reserved to impose further requirements regarding safety and stand construction if necessary.
In the remainder of the Technical Regulations, the term "hall" may be used for comparable buildings such as Congress Centres (NCC Mitte, NCC West, NCC Ost), entrance areas, and also corridors between halls.
The order forms for services are usually sent with the confirmation of admission and must be completed and returned by the specified deadline, as NürnbergMesse cannot accept responsibility for correct and timely execution of orders received late.
NürnbergMesse also reserves the right to impose a surcharge on the price of orders received late, in accordance with details given in the Online ExhibitorShop (OES). If applicable, exhibitors may be sent additional circulars with information concerning the preparation and organization of the event. These Technical Regulations have been coordinated between the following exhibition companies and are published in a standard layout:

Deutsche Messe AG, Hanover
Koelnmesse GmbH
Leipziger Messe GmbH
Messe Berlin GmbH
Messe Düsseldorf GmbH
Messe Frankfurt Venue GmbH
Messe München GmbH
NürnbergMesse GmbH
Landesmesse Stuttgart GmbH

Building law in Germany is governed by the law of the individual states. The respective implementation regulations may therefore vary for this reason and because of the different building situation that exists at the various other venues. NürnbergMesse also reserves the right to make changes. The German text is legally binding.

1.1 Site regulations, extract from site regulations

NürnbergMesse possesses the sole domiciliary rights to the rented object and site, provided the renter is not entitled to these rights by act of law. The justified interests of the renter shall be taken into account when exercising domiciliary rights.

1. The domiciliary rights with respect to the renter and all third parties shall be exercised by personnel appointed by NürnbergMesse, whose instructions must be complied with and who are to be granted access to the rented object at all times.
2. In the event of contravention of the site regulations or disruptive behavior, NürnbergMesse has the right to expel the persons concerned from the exhibition grounds and from its own car parks, withdraw their entrance tickets without compensation and have their vehicles towed away at the owner's cost and risk.
3. NürnbergMesse has the right to check the storage compartments of vehicles and receptacles carried by persons, if required.
4. In case of theft of exhibits, the relevant person will be expelled from the site and the police informed. NürnbergMesse reserves the right to exercise its right to detain the relevant person on the exhibition grounds until the person's identity is established by the police.
5. Visitors to the event must leave the exhibition grounds at the end of the daily event times.
6. Compliance with instructions issued by the event director, event equipment director and security manager appointed by NürnbergMesse is compulsory. The same applies to instructions issued by the security authorities, such as the fire brigade and public order office.

Exhibition emergency number (Security Control Unit):

- **7000 (internal; short dial on hall telephones)**
- **0911 / 8606 7000**

Please observe the currently valid version of the site regulations. They are mandatory for the entire premises of NürnbergMesse. They can be inspected at the on-site postings or at https://www.nuernbergmesse.de/en/guidelines.

1.2 Opening times

1.2.1 Assembly and dismantling times

Assembly and dismantling times vary by exhibition and will be announced in advance.
For reasons of general security in the exhibition grounds, the halls and the exhibition grounds in general remain closed outside these times.
The exhibitor must completely remove all stand construction materials, all exhibition pieces and objects and also all its other exhibition goods by the end of the dismantling time announced for every event and restore the original condition of the exhibition space. NürnbergMesse is entitled to have any exhibition goods remaining in the stands, gangways, foyers, or loading yards after the end of the dismantling time removed and stored by the responsible forwarders (ServicePartner) at the expense and risk of the exhibitors or disposed of at its expense.

1.2.2 Duration of event

For the duration of an event, the halls are open one hour prior to the official opening time and one hour after the official closing time, unless other times are published for specific events (Info 1).
Exhibitors who for justified reasons need to work on their stands outside these times require special written permission from NürnbergMesse.

1.3 Responsible use of energy

Energy efficiency is a core value of NürnbergMesse. It is our declared objective to be at the forefront of European trade fair companies in respect of energy efficiency. This is why we are committed to making all necessary resources available to achieve this goal.
Our energy efficiency programmes have to be characterized by a holistic approach involving ongoing improvement, technical development and efficiency of resources. We are continuously reviewing, evaluating and if necessary improving our energy management. We undertake to adhere to all applicable statutory requirements. In addition, we are committed to preventing waste of energy wherever it occurs and at all times and to using the latest environmental, safety and energy-saving technology that is economically feasible.
What can the exhibitor do to help?

- Switch off the stand lighting if there is sufficient daylight or lighting in the exhibition hall.
- When leaving the stand in the evening make sure to switch off the lights.
- Switch off printers, copiers and computers and do not leave them in standby mode.
- Use energy-saving LED lamps and energy-saving equipment and appliances (e.g. fridge with energy efficiency rating A+++)
- Whenever possible, re-close hall doors and gates, or keep them closed (even in summer to save cooling energy).

2. Traffic in the exhibition grounds, escape routes, safety equipment

2.1 Traffic regulations

To ensure the smooth flow of traffic during the assembly and dismantling times and the event itself, the rules concerning the regulation and direction of traffic and any instructions issued by security personnel are to be strictly observed. The provisions of the German Road Traffic Act apply accordingly throughout the exhibition grounds and on all car parks owned by NürnbergMesse. The speed limit within the exhibition grounds is 20 km/h. Vehicle access to the service areas between the halls is not permitted outside the straight lanes, as these areas have basements.
Blocked areas and roads may not be driven on and the greatest possible consideration must be given to pedestrians.
Unlawfully parked vehicles, trailers, containers, boxes and empty receptacles of any kind will be removed at the owner's expense and risk.
The relevant information must be heeded:

1. **Traffic and parking regulations:**
   Parking in the immediate vicinity of the halls and especially in the loading yards and in front of the exits is prohibited for all types of vehicles for the duration of the event. During the assembly and dismantling periods, vehicles may only stop for loading and unloading at the designated parking spots. To prevent possible hindrance to the fire service, vehicles are to be removed immediately on completion of this work and can be parked on the designated parking areas during assembly and dismantling. Vehicle access to the loading yards during assembly and dismantling is only possible on payment of a deposit of EUR 100 (exception: trucks of 7.5 t or more during dismantling). The deposit will be refunded if the vehicle leaves the loading yard within the time limits stated below.
   The parking or entry permit must be completely filled out and mounted behind the windshield of the corresponding vehicle in a way that is clearly visible.
2. **Time limits during assembly:**
   1 hour for loading and unloading cars and vehicles up to 2.8 t.
   2 hours for loading and unloading vehicles over 2.8 t.
3. **Time limits during dismantling:**
   Vehicle access to the loading yards on the last day of the event is not possible from 13:00 until approx. 1 hour after the end of the exhibition due to delivery of empty containers by the exhibition forwarding agents. Access is possible:
   - 1 hour after the end of the exhibition for cars and vehicles up to 2.8 t.
   - 2 hours after the end of the exhibition for vehicles of 2.8 t to 7.5 t.
   - 3 hours after the end of the exhibition for vehicles of more than 7.5 t.
4. **Length of stay:**
   - 1 hour for loading and unloading cars and vehicles up to 2.8 t.
   - 2 hours for loading and unloading vehicles from 2.8 t to 7.5 t.
   - 3 hours (extension possible) for loading and unloading vehicles of more than 7.5 t.

The stated access times may vary depending on the event and are notified at the entrance gates or by the exhibition management.
Vehicles may not enter the halls during assembly and dismantling. Any exceptions to this rule must be agreed with NürnbergMesse beforehand and are subject to approval. Vehicles may only be moved in the halls at walking speed (maximum 6 km/h).
Electric mini-vehicles (e.g. e-rollers, e-scooters, Segways, etc.) may not be operated in the halls. When used on the premises of NürnbergMesse, such vehicles must meet all requirements for use on public roads. This includes, for example, a general operating license/individual operating permit, valid insurance protection, and a number plate/insurance plate.
Our ServicePartners may be permitted to be in the halls at times outside of the general assembly and dismantling times.

2.2 **Escape routes**

2.2.1 **Fire brigade zones, hydrants**
Essential fire brigade access routes and unrestricted movement zones marked by no stopping signs must be kept free at all times. Vehicles and objects parked on rescue routes and safety zones may be removed at the owner's cost and risk.
The marked fire-fighting equipment in the halls and outside area are not to be obstructed, obscured or made inaccessible. Hydrants are not to be used for filling purposes (e.g. containers, basins etc.).

2.2.2 **Emergency exits, escape hatches, hall gangways**
The escape and emergency routes are to be kept free at all times (see 2.6). Any doors located in escape and emergency routes must be easy to open from the inside over their full width. Escape and emergency routes, exit doors and emergency hatches and their identification markings must not be obstructed, built over, blocked, covered by hangings or rendered unrecognizable.
At no time may the escape and emergency routes in the halls be restricted by objects placed in or projecting into them.
In the event of contravention, NürmbergMesse reserves the right to remedy the problem at the expense and risk of those responsible for the infringement.
Materials required for stand construction or exhibits delivered for immediate display in the stand space may be placed in the periphery of the hall gangway for a short time during the assembly and dismantling phases, provided the gangway widths required for safety reasons are still maintained and logistical interests are sufficiently taken into account.
This requirement is regarded as fulfilled if the materials or exhibits are placed in a strip of maximum 0.90 m along the edge of the stand facing the hall gangway. Irrespective of the width of the hall gangway and the goods placed in the gangway, a minimum width of 1.20 m must be kept free for access. The areas in front of emergency exits and the junction areas of the hall gangways are to be kept clear of obstructions over their full width at all times. The hall gangways must not be used to set up assembly areas or machinery (e.g. woodworking machinery, workbenches etc.). NürnbergMesse may request immediate clearance of the hall gangway for reasons of logistics. Instructions given by the security service must be followed.

2.3 **Safety equipment**
Sprinklers, push-button fire alarms, fire extinguishing equipment, above-ground, underground or wall hydrants, smoke alarms, fire doors and self-closing doors and gates and other safety equipment, their markings and the green emergency exit signs must be accessible and visible at all times and must not be obstructed or made inaccessible.

2.4 **Stand numbering**
All stands will be marked with uniform stand numbers by the organizer if technically possible.
The stand numbers must be clearly visible and left on the stand during the entire time of the exhibition and may not be removed.

2.5 **Security**
The general supervision of the halls and outdoor area for the duration of the exhibition is provided by NürnbergMesse. General supervision is also provided during assembly and dismantling times.
NürnbergMesse is authorized to carry out the necessary control and security measures.
If a stand security guard is required, this must be ordered by the exhibitor himself using the Online ExhibitorShop (OES). Stand guards may only be provided by the security company appointed by NürnbergMesse.

Prevention of theft:
Incidences of theft in the Exhibition Center Nuremberg are comparatively rare. A continuing need to promote theft prevention measures is necessary to maintain this good reputation. This is achieved by NürnbergMesse through security control and guarding measures. These do not, however, apply to individual stands. Access to the halls during assembly and dismantling times is only permitted on display of special passes.
Security staff will randomly check the authorization of persons involved in assembly and dismantling. Therefore, you should issue a certificate indicating the stand that the team is supposed to assemble or dismantle to the person responsible for the assembly and dismantling of your stand.
Please support our efforts by observing the following instructions:

- **Assembly:**
  Your stand should not be left unsupervised after exhibits have been delivered following stand assembly. Although halls are locked and guarded on completion of assembly, an additional stand guard is generally recommended, also for the nights during the event. You should certainly lock away valuable goods at night. Safes and lockable display cases can be rented from the ServicePartners. Your stand cubicle can also be supplied with a lockable door (to be ordered on the relevant forms).
- **Dismantling:**
  Do not leave your stand until valuable exhibits have been loaded or handed over to the forwarding agent. Should this not be possible for special reasons, please order a stand guard for the time between the end of the event and the start of dismantling your stand.
- **Opening times:**
  Most thefts occur during opening times. Never leave your stand unattended, not even during the lunch period. Personal articles should be locked away. Especially exhibits liable to theft should be secured, e.g. with thin chains, nylon threads or presented in lockable display cases.

The exhibition management and Exhibitor Service will be pleased to advise on theft prevention matters. NürnbergMesse reserves the right to impose special theft prevention conditions on individual exhibitors. Please also check your insurance against theft. We recommend taking out an exhibition insurance policy.
NürnbergMesse appreciates your cooperation.

2.6 **Emergency evacuation**

NürnbergMesse or the responsible authorities may order the closure and evacuation of rooms or buildings for safety reasons. Persons present in these rooms or buildings must comply with this request (possibly by means of a speech announcement or the use of designated evaluation helpers) and evacuate the rooms or buildings via the marked emergency exits. Exhibitors must inform their staff of this procedure or if applicable draw up their own evacuation plans and display these on their stand. In this case, the closure of outdoor stand structures must be ordered and organized. Every exhibitor must see to it that its stand area/event area is evacuated immediately upon request.

3. Technical details and equipment of halls and outdoor area

3.1 **Hall details**

Due to the different halls, this information is presented separately (see Instruction Sheet i4.1 "Technical data of halls", and the permissible point loads).

3.1.1 **General lighting, power supply, voltage**

The general lighting during the event in the halls is at least 300 lux measured 1 m above the hall floor.
During assembly and dismantling, the exhibitor/stand builder must ensure an adequate level of light in the stand area.
Available power supply and voltage on the exhibition grounds:

- Electrical system: TN-S
- Single-phase alternating current 230 Volt/50 Hz
- Three-phase alternating current 400 Volt/50 Hz

Connections up to 63 Amp are protected by Residual Current Devices (RCD).
Tolerances to DIN EN 50160.

3.1.2 **Compressed air, electricity and water supply**

In halls 1 – 12, 3A, 3C, 4A and 7A, compressed air, electricity and water for stands are usually supplied from the service ducts or shafts in the hall floor.
In halls with supports in the exhibition area (halls 3, 10.0, 10.1, 11, 12), electricity can be supplied additionally from the terminal boxes located in the hall supports.

3.1.3 **Communication facilities**

Telephone, fax, data and antenna connections to the stands in all halls are supplied from the service ducts or shafts in the hall floor and must be ordered from the responsible ServicePartner (for further guidelines and conditions see Telecommunications in the Online ExhibitorShop (OES). Exhibitors may only set up a **WLAN/WiFi network** if this has been expressly approved in writing by the Exhibitor Service Department (for further guidelines and conditions see Telecommunications in the Online ExhibitorShop (OES).
As a general rule, the installation of **beacons** on the exhibitor's own stand area must be notified to and approved by Exhibitor Service in writing (connectivity.services@nuernbergmesse.de). The transmission power must be reduced to the level that the played campaigns are only available in the stand area. NürnbergMesse reserves the right to have the beacons de-installed if they cause interference with other services such as WLAN/WiFi or if the beacons are installed outside of your stand area or other requirements indicated in the Technical Regulations have not been met. The perpetrator will bear the costs of deinstallation.

3.1.4 **Sprinklers**

With the **exception** of halls **4A** and **7A**, halls 1 – 12 and 3A and 3C are equipped with sprinkler systems. These must have a safety clearance > 1.00 m at the top edge of the stand, exhibits or decorations for fire prevention and insurance reasons. **The minimum safety clearance** in closed rooms (e.g. conference rooms) **is 0.90 m**.
No heat generators may be placed in close proximity to sprinkler nozzles because the sprinkler nozzles usually open at a temperature of around 68°C and automatically release extinguishing water. This must also be taken into consideration when **strongly focusing and heat-generating light sources** are used!

3.1.5 **Heating, ventilation**

The halls are equipped with ventilation systems and heaters. Heating, ventilation and cooling are provided as needed during the event This may sometimes lead to stronger air flows at the exhibition stand.

3.1.6 **Failures**

Any failures in technical supplies are to be notified to the exhibition team without delay. NürnbergMesse shall not be liable for any losses or damage caused by such failures and due to ordinary negligence.

3.2 **Outdoor area**

The outdoor area of NürnbergMesse consists of paved or asphalted traffic areas and uneven, mostly non-compacted ballast lawn areas or grown lawn areas.
During event opening times, the outdoor area is illuminated by general road and path lighting after dark. The necessary service connections are available at irregular intervals.
Please pay attention to **Item 4.8 Outdoor area** when making your plans.
Generally, excavations and ground anchoring (e.g. ground stakes) are not admissible outdoors.
If you do not comply with these stipulations you will generally be responsible for all loss and consequences in the event of damage to piping and cables (even if you have received a special approval from NürnbergMesse). All material brought to the outdoor area must be removed and the area restored to its original state.

4. Stand construction regulations

4.1 **Stand safety**

Stands, including all equipment, exhibits and advertising media, are to be constructed with such stability as to pose no danger to public safety and order, especially to life and health.
The exhibitor is responsible for the structural stability of all structures and exhibits and must provide proof of this if necessary. This also applies during assembly and dismantling.
Any threats to adjacent escape routes or stand areas must be ruled out by means of appropriate advance planning and the careful performance of work on site.
The load-bearing capacity of all components and materials must be assured. The overall stability must be assured by means of sufficiently stable materials and frictional connections. Pressed wood materials such as chipboard or fibreboard according to DIN EN 312-1 (P1, P2 and P3) may not be used for structurally supporting stand constructions.
Standing construction elements or special constructions (e.g. free-standing walls, tall exhibits, tall decorative elements, LED walls) that may tip over must be loaded with a minimum **horizontal equivalent distributed load of q_h:**

- **q_{h1} = 0.125 kN/m² (0 < h < 4.0 m)**
- **q_{h2} = 0.063 kN/m² (h > 4.0 m)**

The reference area here is the respective face area.
The certificates issued for this purpose (verifiable structural analyses) are to be submitted at the request of NürnbergMesse.
In justified cases, NürnbergMesse reserves the right to have the stand safety checked on site by a structural engineer at extra cost.
Stabilizing against neighboring stands or existing structures is not permissible.
Stabilization by means of suspensions from the hall ceiling is also not permissible.

4.2 **Approval of stand construction**

Assuming that the technical regulations of the respective event (see Info 1) have been observed in the design and construction of the stand, it is not necessary to submit drawings for review and approval in the case of single-storey stands. NürnbergMesse is prepared to check the stand construction drawings submitted if requested by the exhibitor. Alternatively, NürnbergMesse reserves the right to refer you to a check list allowing you to check the design and execution of your stand. Furthermore, all other stand structures, mobile stands, special structures, etc. are subject to approval. See 4.2.1 and 4.2.3.

For technical approvals at NürnbergMesse please contact: Exhibition Technology Department
eventtechnology@nuernbergmesse.de

Time periods for technical approvals:

Especially in the case of complicated approval processes, e.g. including additional official approval or inspections, please allow a processing time of up to 42 days after the complete documentation has been submitted to NürnbergMesse Processing within 14 days is only possible in exceptional cases providing we have the **complete** documentation and there is little complexity involved. The period specified applies to the issue of the approval and does not represent the event date. In the following paragraphs we use the phrase "by the specified deadline".
Please submit all documents for checking and approval in electronic form only (.pdf).

Definition of "technical approval":
Even if the technical approval has been given by NürnbergMesse, **this does not exempt** you in principle from adhering to the Technical Regulations, unless a departure from the Technical Regulations was specifically part of the technical approval.

4.2.1 **Inspection and acceptance of structures requiring approval**
Dimensioned stand plans to a scale of not less than 1:100 with layout plans, views and if necessary seating plans must be submitted to NürnbergMesse for approval by the specified deadline (see 4.2). The stand construction is not permitted until the plans have been stamped as authorized.
For approval of:

- multi-storey stand structures
- outdoor buildings (e.g. temporary structures). Please note Item 4.8 Outdoor area.
- special constructions (show trucks, promotional vehicles, promotional trailers, climbing walls, carnival rides, containers, moving parts, etc.)
- cinemas or lecture rooms larger than 100 m^2
- performance/stage area
- podium areas and walkable structures from a height of 0.20 m
- LED walls/video walls and their substructures or rigging materials

The following documents must be submitted in German in electronic form (pdf) by the specified deadline (see 4.2):

a) Audited or auditable structural analysis to German standards
b) Building specification with details of materials to be used (including certificates, where applicable)
c) Stand construction drawings in a scale of 1:100 (floor plans, views, sections), construction details in a larger scale
d) Escape route plan with evidence of lengths and widths of emergency routes
e) Items a), b) and c) are not required if a valid site inspection log/type test is submitted.
f) Seating plans, if applicable escape and emergency route plan (cinema and lecture rooms)

In the case of LED walls/video walls items d) and e) do not apply

The cost of the approval procedure will be charged to the exhibitor/stand construction company.

4.2.2 **Vehicles and containers**
Vehicles and containers used as exhibition stands in the halls and throughout the exhibition grounds and car parks must be registered and require written approval.
When installing vehicles, containers and tents etc. within the halls, it may be necessary depending on their purpose, condition and location, to equip them with safety lighting, a sprinkler system, smoke/differential heat detectors (connected to the NürnbergMesse fire alarm system) or fire extinguishers. More detailed information is available in 4.4.2.
Show and stage trucks in the outdoor area with extendable or sub-mountable trailer parts, extensions or stage elements also fall within the scope of application of the so-called "temporary structures" and must be additionally notified to the relevant authority and checked by it.

4.2.3 **Modification of non-conforming components**
Stand structures that are not approved and/or do not conform to the technical regulations or the law must be modified or removed by the exhibitor/stand builder if necessary.
If this is not done within the specified deadline, NürnbergMesse is entitled to have the changes made at the expense and risk of the exhibitor. For good cause, especially in the event of serious safety deficiencies, the partial or complete closure of a stand may be ordered. As part of its legal obligation to ensure public safety, NürnbergMesse is entitled at all times to perform necessary safety measures and charge the resulting costs to the perpetrator/exhibitor.

4.2.4 **Extent of liability**
Insofar as the exhibitor or the stand builder contracted by it does not observe the foregoing stand construction regulations, it shall be liable for all damage resulting from the infringement of the stand construction regulations.
In addition, the exhibitor or the stand builder contracted by it shall indemnify NürnbergMesse for all third-party claims asserted by reason of the infringement of the foregoing stand construction regulations.
No claims for damages whatsoever may be asserted against NürnbergMesse or its subcontractors due to the loss, damage or impairment of the submitted designs, models or other documents as a result of negligent action or omission, irrespective of the legal basis for such claims.

4.3 **Construction heights**
The construction heights for specific events are shown in the application documents and in Info 1.
Installations and structures must not impair the functioning of the sprinkler system. Information on the necessary safety distances can be found in Item **3.1.4 Sprinkler system**.

4.4 **Fire prevention and safety regulations**

4.4.1 **Fire protection**
The halls are equipped with fire alarm and automatic fire extinguishing systems. If these fire protection systems are impeded due to stand structures, the release of gases, activities that generate fire, smoke and heat, appropriate mitigating measures are necessary and are to be agreed with NürnbergMesse beforehand (see 4.2).
Safety equipment such as fire extinguishers, fire alarms, fire hydrants and associated signage, as well as the emergency exit pictogrammes in the hall, must not be built over or otherwise obstructed or concealed.
The Nuremberg Public Affairs Office (Ordnungsamt) is responsible for events governed by the Trade Regulations. The technical acceptance of the event is carried out by a representative of the Nuremberg fire brigade, a representative of the Public Affairs Office and a representative of the operator (person responsible for event technology) and if necessary a representative of the organizer.

In all cases of doubt concerning fire prevention matters, exhibitors are recommended to contact the Exhibition Technology Department (see contact details in 4.2) beforehand.

The trade inspectorate and regulatory authorities, police, fire brigade, the event director, the security manager, or the event equipment director of NürnbergMesse and representatives of NürnbergMesse (Exhibition Technology Departement) and the organizer's representatives are entitled to issue instructions as part of safety regulations. Their representatives are to be granted access to the safety equipment and technical facilities at all times.

4.4.1.1 **Stand construction and decoration materials**
In general, no materials that are readily flammable, drip on burning or produce toxic gases, or other smoke-forming materials may be installed. This prohibition also includes **thermoplastics** e.g. rigid polystyrene foam (**PU foams, Styropor, Styrodur, EPS, XPS** etc.) and **PVC**. The materials listed here may also not be used in substructures, insulations or as fillers.
On a case-to-case basis, special requirements (like non-flammability) may be imposed on load-bearing structural parts for reasons of safety.
Structurally necessary and/or load-bearing fixings may only be made of non-flammable fixing materials. Decoration materials, embellishments, furnishings and also floor covering, banners and curtains must as a minimum meet the categories flame retardant (B1) and must not drip on burning, as per DIN 4102-1 with limited smoke development and/or as per EN 13501-1 as minimum Class B/C – s2, d0. A test certificate detailing the construction material class, fire, smoke and droplet-forming behaviours of the material used must be kept at the exhibition stand from the assembly period onwards. In addition, samples of the materials used must be kept on hand for a fire test on site.
In specific cases, decoration materials with a normal combustibility rating may be used in certain areas if the method of installation (e.g. display cabinets) provides adequate protection against catching fire.
Cuttings of trees and plants may only be used for decoration purposes in a green condition. Should they dry out during the event and become easily ignited (DIN 4102 B3), they must be removed. Trees should be free of branches up to approx. 0.50 m above floor level. The use of deciduous and coniferous trees is permitted only if they have moist, potted roots.

Natural materials with fibrous surfaces or surfaces containing resin or oil, such as palms, birch, bamboo, reeds, hay, straw, bark mulch, wood chips, turf or similar materials do not meet the above-mentioned requirements and are not permitted.
Absorbent natural materials in natural fibers such as jute bags, woven and knitted fabrics or similar do not generally have "low flammability" and may only be used if treated with a suitable flame retardant impregnation.
Construction and decoration materials such as **wooden pallets, wooden boxes or baskets** whose design and surface properties represent a high fire load are generally not admissible. Any fire protection measures such as treating the surfaces and additional fire-proof coatings must be registered and agreed on beforehand with the Exhibition Technology Departement using **Form P2**.
Further requirements for glass and acrylic glass materials are specified in 4.4.3.
"Flame resistant" properties can be achieved retrospectively for some of these materials by treating them with an approved flame inhibiting agent. A certificate confirming that the material is flame resistant or that impregnation has been carried out in accordance with the regulations must be available for inspection on the stand at all times.
Flame-inhibiting impregnation of materials can be ordered from our ServicePartner Messebau Wörnlein GmbH or Messebau Mesomondo GmbH.

Flame-inhibiting impregnation:
Messebau Wörnlein GmbH
Messezentrum 1
90471 Nürnberg
T +49 9 11 81 74 49-0
F +49 9 11 81 74 49-25
info@woernlein.de
www.woernlein.de

Messebau Mesomondo GmbH
Messezentrum 1
90471 Nürnberg
T +49 9 11 40 08 35-0
F +49 9 11 40 08 35-29
info@mesomondo.de
www.mesomondo.de

Liability can only be accepted for impregnation if the material to be impregnated is an absorbent natural fiber.

4.4.1.2 **Exhibition of motor vehicles**
The exhibition of vehicles must be notified to NürnbergMesse (Exhibition Technology Department) using **Form P2**, stating the number and type of vehicles involved, and must be approved.
For all vehicle types a sufficient number of suitable hand-held fire extinguishers (to EN 3) must be kept in readiness at the exhibition stand. NürnbergMesse GmbH reserves the right to take additional measures.
Unintended or wilful moving of vehicles (e.g. driving actions) in the stand area or in the hall gangway is not permitted during the event period and keyless systems (transmitters) must be kept out of range.
During the actual exhibition, vehicles must not be moved on the stand area or hall entrance. Vehicles must be externally prevented from rolling away on a statically suitable subsurface (hall floor, exhibitor floor, pedestal, etc.).

Vehicles with internal combustion engines
The content of vehicle fuel tanks is to be reduced to the amount necessary for driving into and out of the hall (the low fuel warning lamp must be on); the tank cap is to be locked. Powering the vehicles via the starter battery is possible if it can be ensured that no dangerous gases will be produced (e.g. in the case of gel batteries if the contacts are shockproof and the starter motor is permanently isolated from the battery).
Further safety measures such as inertization of the fuel tank, disconnecting the battery and/or posting security guards may be necessary, depending on the event and the vehicle location (e.g. foyer areas, entrances, fire brigade access roads or assembly rooms).
Combustion engines may not be demonstrated in operation in the halls.
Fuels must not be stored at the stand. The refuelling of vehicles in the hall is prohibited.

Vehicles with electric or hybrid motors
In the case of hybrid vehicles the tank must also be largely empty and closed. In vehicles with electric motors, the drive batteries are to be disconnected from the transmission at the safety switch (main switch) or service connector in accordance with the manufacturer's instructions for the traction network. High-voltage batteries have to be disconnected and in a non-critical state.
If this is not possible, the vehicle must be disconnected from voltage in another safe way and protected against reconnection. This can be done by disconnecting the HV interlock line, for example.
The exhibitor must be able to prove and explain the absence of voltage on location. In addition, technical data sheets for high-voltage batteries must be submitted.
Charging processes are not allowed in the exhibition halls.

Vehicles with gas-powered engines
In gas-powered vehicles, the pressure vessel must be empty as far as possible. Care should be taken to ensure that a low residual pressure of no more than 1/10 of the maximum tank pressure under normal operation remains in the vessel.
A minimum vessel pressure of 5 bar must be ensured and demonstrated by means of a functional pressure indicator. Please also take note of Item 5.7.

Vehicles with fuel cells or alternative drives
Vehicles with fuel cells or other types of drive are considered separately.
However, it should generally be noted that the tank content must be reduced to the amount necessary to drive in and out (the reserve light on the tank display must be on).

4.4.1.3 **Explosive substances, munitions**
Explosive substances are governed by the German Explosives Act, as amended, and may not to be exhibited at trade fairs and exhibitions. This also applies to munitions as defined in the German Firearms Act and to pyrotechnic objects.

4.4.1.4 **Pyrotechnics**
Pyrotechnic demonstrations require the approval of NürnbergMesse (Exhibition Technology Departement, contact details in 4.2). NürnbergMesse is under no obligation to grant its approval.
If pyrotechnic effects are to be used on the NürnbergMesse grounds, the exhibitor/organizer must obtain approval from the responsible Public Order Office, the Trade Inspectorate and the Nuremberg fire brigade not later than 28 days before the actual date of the event. A copy of the approved application is to be submitted to NürnbergMesse by not later than 14 days before the start of the event. The license for the articles is shown on the respective packing unit. Instructions must also be printed on the package in German. Pyrotechnic objects without a certificate of conformity or fireworks of Categories II, III or IV are not approved.
Pyrotechnic objects may only be used when they have a **CE label and a registration number**. The previous BAM approval symbol lost its validity on 3 July 2017.
Proof of the holder of the license and certificate of competence is to be submitted to NürnbergMesse (see Instruction Sheet i4.5 "Pyrotechnic displays/activities involving fire hazards").

4.4.1.5 **Balloons**
The use of balloons filled with safe inert gas in the halls and outdoor area must be approved by NürnbergMesse.
Insofar as the use of balloons has been approved by NürnbergMesse, they may only be filled with non-flammable and non-toxic gases and must be structurally firmly anchored within the city limits. In addition, the maximum construction height specified for each event must be observed. Depending on the balloon size, placement and installation type, the fire protection requirements of Item 4.4.1.1 must also be observed.
The distribution of gas-filled balloons is basically not permitted.

4.4.1.6 **Flying objects**

The use of flying objects (e.g. drones, quadrocopters, airships etc.) is generally not allowed in the halls and outdoor areas. Exceptions require the prior written authorization of the relevant authorities and the written approval of NürnbergMesse (see contact details in 4.2).

Insofar as the use of the flying objects has been authorized by NürnbergMesse, the requirements pursuant to the **German Regulation on the Operation of Unmanned Aerial Vehicles** of the Federal Aviation Authority (in the version of 30 March 2017 or as amended) and the protection of personal rights and copyrights of third parties must be strictly observed.

This includes specifically the proof of corresponding owner's liability insurance and the necessary operator certification. In some cases the use of airspace may require permission from the relevant aviation authority.

In addition, all flying objects with a take-off weight of more than 0.25 kg must bear the name and address of the owner using a permanent, fireproof marking method.

In general, it must be remembered that the grounds of NürnbergMesse are within the air traffic control area of NUREMBERG AIRPORT, so that there is a general flight ban. The unrestricted operation of flying objects above crowds of people, and at a distance of less than 100 m to the side of them, is prohibited in principle. By way of derogation, structural partitions may be necessary to close off the flying area on all sides from freely accessible areas in order to demonstrate or operate flying objects following approval by NürnbergMesse. The necessary measures are to be agreed on beforehand with the specified contact persons and are subject to approval.

4.4.1.7 **Fog machines**

The use of fog machines or hazers is subject to arrangement with NürnbergMesse (Exhibition Technology Departement).

NürnbergMesse will charge the organizer or responsible entity for the cost of substitute measures if firefighting appliances must be deactivated before operating a fog machine. The organizer and/or person responsible will be charged for the cost of calling out the fire brigade and the subsequent costs resulting from the interruption or cancellation of the event if the fire alarm system is set off without prior consultation with NürnbergMesse. Further information can be obtained from Instruction Sheet i4.6 "Use of fog machines".

In general, it must be ensured that adjacent exhibition stands are not impaired by the use of fog machines or hazers.

4.4.1.8 **Ashbins, ashtrays, smoking ban**

There is a **total smoking ban** in all NürnbergMesse buildings, and in the halls, stands and empty areas during assembly, dismantling and the trade fair itself.

If the smoking ban has been lifted for the stand or parts of the stand in the outside area, an adequate number of ash bins or ashtrays of non-combustible material must be provided and emptied at regular intervals.

4.4.1.9 **Waste and recycling material containers**

Bins provided on the stands for waste and recyclable materials are to be made of non-combustible materials only. These bins are to be emptied regularly and not later than every evening after closing time. Should larger quantities of combustible materials accumulate, these are to be disposed of several times a day.

Flammable waste or readily flammable materials and waste like wood shavings, wood scraps, sawdust and the like must be kept in sealed containers. If such waste occurs during product demonstrations it must be ensured that it can be stored in closed containers immediately after the demonstration. The work areas must be designed so that such waste does not occur on traffic areas. If **wood is machined during the exhibition** and/or **sawdust extractors or silos are used**, the rules set out in Items 5.2, 5.2.1 and 5.2.2 must be observed.

The use of the waste described above for decoration purposes is prohibited.

Waste disposal can be ordered at extra cost from the ServicePartners of NürnbergMesse using the Online ExhibitorShop (OES).

4.4.1.10 **Spray guns, solvents**

The use of spray guns and substances and paints containing solvents is prohibited in all halls.

The use of
- combustible liquids, including for cleaning purposes
- materials releasing toxic vapors and
- substances hazardous to the environment is prohibited.

4.4.1.11 **Abrasive cutting and all other work using naked flame**

All welding, cutting, soldering, thawing and abrasive cutting work must be notified to NürnbergMesse in writing for approval before commencement of the work. The approval of this work is granted by NürnbergMesse (Exhibition Technology Departement (for contact details see 4.2) in the form of a permit for work involving dust, smoke, welding and heat. The adjacent area is to be adequately protected from hazards during this work. Suitable fire extinguishers and VdS approved fire blankets must be available for use in the direct vicinity.

In addition, a fire safety guard must be ordered at extra cost via the Online ExhibitorShop (OES). Due to the particular risk potential during assembly and dismantling, we recommend designing your stand so that such hazardous work is avoided or can at least be done outside the hall. The work permit can only be issued on time if the relevant application is submitted in good time to the Exhibition Technology Departement (for contact details see 4.2). Actions involving fire hazards or work involving heat during the event require the written approval of NürnbergMesse (Exhibition Technology Department, see contact details in 4.2) and are only permissible when they are absolutely necessary for the presentation of exhibits. NürnbergMesse is under no obligation to grant its approval.

4.4.1.12 **Empty packaging/storage of materials**

The storage of filled and empty packaging of any kind (e.g. packaging and packing materials), waste or remnants inside or outside the stand, in the halls or in the loading yards is not permitted. This also applies to storage under stages, podiums, stands, and stairways or behind stand construction walls.

Empty packaging is to be removed without delay. Collection and storage can be ordered at extra cost from the ServicePartners of NürnbergMesse using the Online ExhibitorShop (OES).

If the exhibitor does not comply with a request to remove material stored in contravention of the rules or does not remove waste, remnants, filled or empty packaging immediately when asked, NürnbergMesse reserves the right to have it removed at the cost and risk of the exhibitor.

4.4.1.13 **Fire extinguishers**

At least one fire extinguisher conformant with DIN EN 3 (see Instruction Sheet i4.7 Fire extinguishers) with at least 10 extinguishing agent units (EAUs) must be kept on hand on exhibition stands/event areas larger than 100 m² during assembly and dismantling and the event itself.

Only water or foam extinguishers with an up-to-date test label may be used. Powder extinguishers are only admissible for demonstrations using combustible gases.

Cleaning costs resulting from the use of powder extinguishers will be charged to the perpetrator.

In general, a suitable fire extinguisher must be available for electrical distribution boxes with a total power rating of 6 kW and up. To ensure the easy handling of the fire extinguishers, we recommend that you choose fire extinguishers that do not exceed a weight of 12 kg per extinguisher. Suitable fire extinguishers (kitchens: Class A, B, F, storage areas Class A, B) are to be available at stands with kitchens and storage areas.

In two-storey stands, a fire extinguisher must additionally be kept in each stairway on the second storey.

All fire extinguishers must be placed in highly visible and continuously accessible locations in such a way that they cannot topple over, and must be labelled in accordance with ASR A1.3.

Suitable tested fire extinguishers can be rented via our ServicePartner Wörnlein **(see 4.4.1.1)**. NürnbergMesse reserves the right to charge for used or damaged fire extinguishers taken from wall hydrants.

4.4.2 **Stand roofing**

The ceilings of all stands in halls equipped with sprinklers must be of open design to avoid impairing the operation of the sprinklers. Ceilings are regarded as open if not more than 30 % (CEA 4001 S) of each square meter of the ceiling area is closed. This also applies to conference rooms, catering areas and reception rooms.
Sprinkler-compatible ceilings with an untensioned mesh size of minimum 2 x 4 mm, or 3 x 3 mm, and a web width of maximum 1 mm are approved up to a ceiling area of 30 m². Ceiling areas can be added up. The fabric covering is to be braced horizontally and as a single layer only. Sagging of the fabric covering is to be prevented. Alternatively, the sprinkler compatibility can be demonstrated by means of a valid VdS certificate.
In general, the closed area of single-storey stands is not to exceed 30 m². For closed areas larger than 30 m², a suitable number of sprinklers and, in smoke-monitored halls (H4A, H7A, H11), smoke or differential heat detectors must be installed by the responsible ServicePartner. Exceptions are possible in individual cases.
Several closed ceiling areas up to 30 m² in one exhibition stand are possible, provided that there is a minimum distance of 3.00 m between the individual ceiling areas. So as not to exceed the maximum surface area of 30 m² when adding up several ceiling areas, a distance of minimum 1.50 m to the stand limits must be observed Any reduction of the 1.50 m distance (e.g. to passageways and hall walls) has to be approved by the Exhibition Technology Departement (for contact details see 4.2). If the stated minimum distances cannot be maintained (also across stands) and if the addition of the closed ceiling area would cause the maximum permissible area to be exceeded, the perpetrator will bear the costs for necessary compensation measures. This also applies explicitly to affected adjacent stands!
The ceiling areas, like sprinkler gauzes and fabrics, must be categorized as a **minimum as flame retardant (not readily flammable)** (class B1) and **must not drip on burning**, as per DIN 4102-1 with limited smoke development and/or as per EN 13501-1 as minimum class B/C – s2, d0. A test certificate on the construction material class, fire, smoke and droplet forming behaviors of the material used, and/or the VdS certificate, must be kept at the exhibition stand from the assembly period onwards. In addition, samples of the materials used must be kept on hand for a fire test on site.
Room and areas with a heightened risk of fire (e.g. kitchens, storage rooms, cloakrooms, utility rooms, etc.) must have open ceilings. In exceptional cases, sprinklers, and in smoke-monitored halls VdS-certified smoke or differential heat detectors, must be installed by the responsible ServicePartner. Sprinkler-compatible ceiling materials with a current VdS test certificate are admissible.
In the case of rooms, tents, containers, vehicles and similar enclosed on all sides and with closed ceiling areas, it may be necessary, depending on their purpose and condition, to fit them with a sprinkler system or smoke or differential heat detectors, even if the ceiling area is less than 30 m². In addition, it must be ensured that these enclosed rooms/areas are equipped with suitable emergency lighting (see 5.3.5). Such installations and rooms must be inspected and authorized in advance by NürnbergMesse (Exhibition Technology Department, see contact details 4.2). All fully enclosed reception and lecture rooms that have no visual or acoustic contact with the hall must be fitted with appropriate alarm systems (see 4.4.4).
More information on sprinkler-compatible ceiling materials is provided in the instruction sheet "Installation of sprinkler-compatible ceiling materials" i4.2.
For two-storey structures please refer also to 4.9.2.

4.4.3 **Glass and acrylic glass**

Only safety glass suitable for the intended purpose may be used.
For glass structures (floors, balustrades, facades and ceilings) please observe instruction sheet i4.8 "Glass in stand construction". Appropriate stability verifications and datasheets for the safety glass must be kept in the stand.
The edges of glass sheets must be finished or protected to reliably prevent risk of injury. Stand components made of glass only are to be clearly visibly marked at eye level.
Wall panels or supports in glass have to be designed to be load-free, i.e. roof structures or similar projecting elements have to be supported on beams or walls and structurally stable, without the loads being carried by glass panes or supports used (including glass cabinets).
Acrylic glass must at least meet the requirements of DIN 4102, B1 or DIN EN 13501, B/C – s2, d0 and must **not** drip on burning (see Instruction Sheet i4.8 "Glass and acrylic glass"). In addition, the acrylic glass must generate minimal smoke (s1 or s2 to DIN EN 13501).

4.4.4 **Reception rooms/inner rooms**

All **fully enclosed reception and audience rooms** that are accessible to visitors (e.g. booths, conference rooms, offices, and the like) and **have no optical and acoustical contact to the hall** must be equipped with an optical and acoustical alarm system to ensure that an alarm can be sounded in these rooms at any time.
Alternatively, **fully enclosed rooms** that are accessible to visitors (e.g. booths, conference rooms, offices, and the like) that **have acoustic contact to the hall** can be provided with a line of sight into the hall via the exhibition stand.
The **visual contact** should be designed so that when anyone is in the enclosed room they still have an unencumbered view when sitting or standing. A window 0.20 m wide and 0.80 m high is recommended as a suitable size for the field of vision. Small window areas at head level (e.g. so-called **portholes**) do not meet the stated requirements and are therefore not permitted. If it is not possible to see the hall via the stand (because the view is blocked by structures, walls, exhibits, etc.), technical measures must be taken to compensate for this.
This also applies to exhibition areas in which the line of sight to the hall is blocked in certain areas by exhibits, installations or structures.
Technical compensation measures must be notified to and approved by NürnbergMesse (Exhibition Technology Department, see the contact data in Item 4.2) in advance.
In rooms enclosed on all sides, care must be taken to ensure an adequate level of light to allow for safe orientation also in case of a power outage. If necessary, suitable **safety lighting** must be provided (see Item 5.3.5).
Reception rooms and lecture rooms etc. with a **floor space exceeding 100 m²** or that accommodate **more than 200 people** (see Item 4.2.1), require special approval.
Seating is to be provided in accordance with § 10 of the Venue Regulations (VStättV) and drawn into an escape and emergency route plan in accordance with § 32.
Trapped rooms (rooms that can only be left via other rooms) are not permitted.

4.5 **Exits, escape routes, doors**

4.5.1 **Exits and escape routes**

The distance from any point on a stand space to a necessary hall gangway must not exceed 20 m walking distance (§7 VStättV). This also applies to a multi-storey stand.
Reception rooms with a floor space exceeding 100 m² must have at least two exits to escape routes and these must be positioned opposite each other and as far apart as possible.
The following minimum number and inside widths of escape routes (exits, corridors) are to be provided:

- up to 100 m² room area and less than 100 people
  1 escape route, 0.90 m wide
- over 100 m² room area and less than 200 people
  2 escape routes, each 0.90 m wide
- more than 100 m² room area and more than 200 people:
  at least 2 escape routes each 1.20 m wide
  Escape route widths are to be graduated only in 0.60 m increments per 100 people.

The escape and emergency routes are to be permanently marked as per ASR 1.3 and/or DIN EN ISO 7010, DIN EN 1838 and DIN 4844-1 (German Workplace Regulations).
It must be possible to open the doors of these exits from the inside in the escape direction at all times during the event and these doors must not protrude into the hall gangway. A suitable recess must be provided in all cases.

4.5.2 **Doors**

Swinging doors, revolving doors, code-operated doors and sliding doors, folding doors, and other obstructions may not be used along escape routes.
Doors and door systems in escape and emergency routes must open smoothly at all times to their full width from the inside to the escape direction and may not have door sills or stumbling hazards. Escape doors must not impair or restrict emergency routes or hall gangways.

4.6 **Platforms, ladders, stairs, and catwalks**

Areas generally accessible to pedestrian traffic and directly adjacent to areas 0.20 m lower are to be enclosed by **railings/balustrades**. These must be at least 1.10 m high and consist of at least a top band, centre band and bottom section (maximum separation 0.35 m). Safety devices must be suitably designed to prevent the risk of objects being placed on them and falling into areas below. The separation between the parts of the railings must not exceed 0.12 m in any direction.

For **platforms**, a verifiable structural analysis with **load capacities** to DIN EN 1991-1-1/NA:2010-12 Table 6.1DE [Cat. C] is to be provided as detailed below and submitted to NürnbergMesse by the specified deadline (see 4.2):

- **$q_k \geq 3.0$ kN/m²** Perpendicular load for limited use by trade fair visitors.
- **$q_k \geq 5.0$ kN/m²** Perpendicular load for freely accessible areas and/or unrestricted use.
- **$q_k = 1.0$ kN/m** Horizontal load at rail height of the balustrade.
- **$H = \sum q_k/20$** q_k = Perpendicular load. To ensure sufficient longitudinal and transverse rigidity, a **horizonal load H** must be set at the highest floor height.

Staircases and stair landings must always be designed for a load (Cat. T2) of): **$q_k = 5.0$ kN/m²**.

Costs will be incurred for the inspection and approval of this special structure and will be billed to the exhibitor/stand builder.

Accessible single-level platforms must not be higher than 0.20 m

The area underneath platforms and podiums must not be used for storage. They must be designed to be fire load free. Hollow spaces of platforms with a height of less than 0.20 m, can be excepted from monitoring by the fire alarm system. Hollow spaces of platforms with a height of more than 0.20 m, which accommodate an automatic turntable, or an accumulation of cables and/or electrical distributors, must be monitored by VdS certified smoke detectors. Installation must be done by the NürnbergMesse ServicePartner.

Moving parts such as escalators or revolving stages are subject to the prior approval of NürnbergMesse, Exhibition Technology Departement (for contact details see 4.2).

All **staircases** must be constructed according to DIN 18065 and must have a clear width of at least 1.20 m. Essential stairs and stairs used for general visitor circulation must have closed steps. The risers may not be higher than 0.19 m and the tread width may not be less than 0.26 m. When determining the tread width, it should be ensured that "undercutting" (e.g. with risers) cannot be added on. Furthermore, in designing the undercutting, care must be taken to ensure that the heel is not caught when going down stairs. With stairs, an **intermediate landing** must be provided after 18 steps. The depth of the landing should be a multiple of the step dimension. An uneven number of steps should be taken as a basis.

Stairs may not begin immediately behind a door. There must be a sufficient landing (min. depth 1.0 m) between the staircase and the door.

Winding or spiral stairs within emergency exits and escape routes are not allowed.

Stairs must have **handrails** on both sides. Stairs more than 2.40 m wide need central handrails. Handrails must be continuous and allow for a firm grip. Handrails must be designed in such a way as to exclude any risk of accidents and allow for a firm grip. The ends of the handrails must be designed in such a way that it is not possible to hang from them or slide off of them.

Ladders, stairs and catwalks must conform to the accident prevention regulations (German DGUV Information 208-016).

4.7 **Stand design**

4.7.1 **Appearance**

The exhibitor is responsible for the design of the stand, which must be in keeping with the typical exhibition criteria for the event. Walls bordering visitor gangways should be made more attractive by installing glass showcases, niches, displays, etc. Please refer to the terms and conditions of participation for each event for more detailed information and requirements.

Rear walls of stands that exceed a height of 2.50 m and are adjacent to neighboring stands should have a single, neutral and light colour and be kept free of installations to avoid adversely affecting the design of the neighboring stand.

Fittings and structures on corners of the stand area that border on visitor walkways must be designed in such a way as to exclude any risks. In particular, **stumbling hazards** in the form of platforms, double floors or raised floors must be avoided at freely accessible stand corners, especially in the case of **tapered stand areas**.

The use of products made by exploitative child labor within the meaning of ILO Convention 182 is prohibited for stand design and equipment.

4.7.2 **Verification of rented area**

The rented area is marked out by NürnbergMesse. Every exhibitor is obliged to obtain information about the location, dimensions and possible structures in this area by visiting the site.

The stand limits must be strictly observed. The exhibitor must expect minor deviations in the size of the stand. These are due to variations in the thickness of the stand partition walls and may be up to 5 cm in front and depth. The corners are marked. No responsibility can be accepted for the correctness of the dimensions. The supply points inside the stand space must remain accessible. Any pillars, wall projections, stand partition walls and fire-fighting equipment are part of the allocated stand space.

The supply grid for electricity, compressed air, water and telecommunications is shown on the hall plans sent to exhibitors. The supply ducts are not to be opened by exhibitors or obstructed by stand structures.

The stand boundaries must be adhered to. Lighting fixtures or signs must not project out into the halls from the stand boundaries. Machines and other exhibits must be positioned so that there is enough space for exhibitors to demonstrate them on their own stand area. Provision must be made for the necessary safety barriers or enclosures in this conjunction. Every exhibitor/stand builder is obliged to verify the proper condition of the stand area before starting to assemble the stand. Any damage must be shown to the Facility Service without delay before starting to build the stand. Any such deficiencies not recorded will be rectified after the event at exhibitor's cost.

4.7.3 **Interference with building fabric**

Hall parts and technical equipment must not be damaged, soiled or altered in any other way (e.g. drilling, nails, screws, glue). Painting, wallpapering and the use of adhesives are also prohibited.

Hall parts and technical equipment must not to be used to support loads from stand structures or exhibits.

However, hall pillars and supports inside the stand space can be adapted provided they are not damaged and the permissible construction height is not exceeded.

Installations on the hall pillars, walls and technical equipment must be freely accessible. If necessary inspection ports must be provided by the exhibitor building the stand.

If floor anchors are necessary please observe 4.7.4.

4.7.4 **Hall floors**

Carpets and other floor coverings are to be laid so as not to cause accidents and must not extend beyond the stand limits. Floor coverings in exhibition stands may only be fastened with adhesive tape, which must later be removed without a trace.

In general, all materials used must be removed without trace. Substances such as oil, grease, paint and similar must be removed from the floor immediately. Hall floors are not to be painted or glued. NürnbergMesse reserves the right to pass on the cost of repairing damage to the hall floor and removing soiling to the person responsible.

Carpets and other floor coverings in the exhibition areas have to be **flame retardant** to DIN 4102 B1 or EN 13501-1 **Class C_{fl} as a minimum**. A certificate verifying the building material class of the material used must be kept at the exhibition stand.

If **high-pile carpet** or floor coverings are made from **synthetic grass**, the fire and smoke behavior (according to EN 13501) in combination with the requirements for laying and installation must be taken into account since these floor coverings generally do not meet fire protection requirements. Due to their burning and dripping behaviour, floor coverings may not be installed on walls or above people. Further requirements regarding the necessary fire behavior are provided in 4.4.1.1.

When using loose material or bulk solids (earth, sand, organic material etc.) the hall floor must be covered and protected from dirt and liquids. Dust development and distribution are to be counteracted using suitable means. During trade fair operations loose material must be prevented from getting onto the traffic areas.

Freely accessible **platforms, double floors or raised floors** with a maximum height of 0.20 m must be sufficiently load-bearing. A **vertical load capacity of at least 5.0 kN/m²** must be proven. These raised surfaces must be tightly jointed and enclosed on all sides. Further requirements for structures which can be walked on are given in Item 4.6.

Anchors and fixing of stand structures in the hall floor are not allowed. The fixing of exhibits using **floor anchors** is only permitted in justified exceptional cases and with the written permission of NürnbergMesse. Exhibitors do not have a right to install and use floor anchors. Applications must be submitted on time (see 4.2) with scale plans showing the location, type of anchor, loading at the anchor and drilled hole diameter plus the number of anchors. The exhibitor must provided written evidence that the exhibit is
also stable during operation. Tensile forces at the anchor are not permitted. The number of anchors must be limited to the quantity absolutely necessary. NürnbergMesse reserves the right to lay down the materials to be used for anchors. If impermissible materials are used or if floor anchors are installed without the written approval of NürnbergMesse, these will be removed at the exhibitor's expense (flat-rate repair cost of EUR 250 – net price per floor anchor) and risk by NürnbergMesse. Any heavy-duty anchors, screws or anchor bolts must be removed by the exhibitor or its representative during dismantling; care should be taken to ensure that anchor bolts are twisted out and may not be cut off flush. If this requirement is not observed, the exhibitor shall be liable for consequential damage. NürnbergMesse is entitled to remove any heavy-duty anchors, screws or bolts left in place at the exhibitor's expense and risk. Stand structures that are not approved, or which do not comply with the Technical Guidelines or the current state of the art, must be modified or removed if required. If this is not done on time, NürnbergMesse is entitled to carry out the changes itself at the exhibitor's expense or to prohibit the use of the exhibits.
Only the relevant ServicePartners of NürnbergMesse are permitted to use supply ducts and floor shafts.

4.7.5 **Suspending objects from hall ceilings**

It is possible to hang objects from the facilities provided for this purpose in accordance with the relevant regulations DGUV Regulation 17 and the applicable exhibition technology standards (IGVW SQ P1 to SQ P5 with SQ Q1, SQ Q2 and SQ O2) (see Instruction Sheet i4.9 "Suspension points, trusses and lifting equipment"). This also applies to pre-rig trusses, elevated truss systems (e.g. ground support), tripods and other constructions.

4.7.5.1 **Provision of suspension points**

The provision of suspension points and modification of suspension carried out exclusively by NürnbergMesse through its appointed ServicePartners. The suspension point will be provided for the exhibitor in the desired position in the space above the stand if structural conditions permit.
The number of possible suspension points in the halls depends on the stand size and the grid of the hall ceiling.
The **provision of suspension points cannot be guaranteed in all areas**. This applies mainly to the peripheral areas of the following halls:

- **Halls 3A and 3C:**
  No suspension points can be provided over the exhibition areas in the area of the loading yard gates with limited headroom. The necessary minimum distances from the sprinkler heads must also be strictly observed in these areas (see Point 3.1.4).
  Information on the reduced bearing load of suspension points in Halls 3A and 3C can be obtained from the responsible Service Partner.
- **Halls 4A, 7A and 11.0:**
  Only a few suspension points with a reduced bearing load are available in the exhibition areas in the area of the loading yard gates with limited headroom. Die application of dynamic loads and the use of lifting equipment are not possible here. Additional information can be obtained from the responsible Service Partner.

The stipulated heights for construction and advertising must be observed. Suspension points incl. installed equipment are to be mounted with a residual clearance of at least 2.50 m below them. NürnbergMesse checks the feasibility of the desired suspension points using the documents submitted and reserves the right to have the suspension loads and the rig used inspected by a structural engineer. This inspection is subject to a fee, which is charged to the **exhibitor or person ordering** the suspension points.

The **maximum vertical structural load capacity of each suspension point is 25 kg (0.25 kN) for halls 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 12 and the separation between suspension points in halls 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 12** must not be less than 1.00 m.
The maximum vertical structural load capacity of the available suspension points in halls 3A, 3C, 4A, 7A and 11 is 240 kg (2.4 kN).
Higher loads in the halls are only possible on request and require written approval by NürnbergMesse.
If the ordered suspension point is not below an existing suspension point or under the beams of the hall roof structure, the suspension point will be provided by using a pre-rig. The end of each suspension point (transfer point) is to be notified beforehand to the responsible ServicePartner using the order form.
The use of "bridles" at suspension points in the hall is not permitted on the NürnbergMesse site.
In the case of complex systems (statically indeterminate systems, generally more than single-span girders) a load plan must be submitted showing the total load and the loads on the suspension points (supporting loads) and all concentrated and section loads. NürnbergMesse GmbH reserves the right to request the installation of load measurement systems for statically indeterminate systems. The load measurement systems are to be supplied, installed and operated exclusively by SPIE SAG GmbH. Load measurement systems are provided at extra cost, which will be charged to the exhibitor.
Please note that the use of load cells can reduce the maximum suspension height by up to 50 cm.
For technical or organizational reasons, suspension points above the exhibition stand may already have been prepared or installed for subsequent events. The exhibitor/stand builder is not entitled to remove these suspension points and must not use or modify them.

4.7.5.2 **Attaching objects to suspension points**

The objects to be suspended (lighting bars, spotlights, projectors, loudspeakers, etc.) may only be mounted by the exhibitor's own **skilled staff**, approved **contractors or the ServicePartner** in accordance with legal standards in force and current engineering practice. When selecting the **skilled personnel** on site or the supervising person (coordinator), the provisions of the current guidelines as per DGUV regulation 17, the DGUV Information Sheet 215-310 and in accordance with IGVW SQ Q2 must be observed. **Evidence of the required qualifications** must be carried.
When installing lighting trunking systems the associated spotlights and accessories must also be provided with an adequately dimensioned secondary fuse in accordance with the latest engineering practice (DGUV Information Sheet 215-313).
Further information on approved and non-approved attachment gear, load-bearing lines, load-bearing equipment, fasteners, rope terminations and lifting equipment can be obtained from **Instruction Sheet i4.9 "Suspension points, trusses and lifting equipment".**

The regulations listed below must also be observed for safety reasons.

The following are not prohibited:

- Suspension points used for securing stand components or exhibits (stand components or exhibits must stand securely on their own)
- Suspended constructions with a rigid or non-positive connection to the hall floor
  (structures with an additional connection to the roof supporting system as a result of suspension points
- The use of bridle suspension points
- The use of bridle suspension points

4.7.5.3 **Use of truss systems**

The use of trusses, rigs and truss systems is governed by the requirements and implementation instructions of DGUV Regulation 17, DGUV Information Sheet 215-313 and the Quality Standard IGVW SQ P1. This is independent of the type of use of the trusses, rigs or truss systems, which can be hung, moving or ground-supported.
The use of trusses, rigs and truss systems outdoors is governed by the requirements for "temporary structures" (Code of Practice for the Construction and Operation of Temporary Structures, German FlBauR). In addition, the Quality Standard IGVW SQ P5 and DIN EN 13814 (Safety of Carnival Rise and Leisure Facilities).

For rigs that cannot support the load of a single-span girder (girder/truss on two supports or two suspension points), evidence of structural strength may be requested at the exhibitor's cost. The data sheets must be enclosed for the trusses used. If temporary structures are used, the building permit (Baubuch) must be carried.
Conductive parts must be included in the measures to protect against direct contact by providing additional equipotential bonding (see also projector5.3.3).

4.7.5.4 **Use of lifting equipment**

The use of lifting equipment (electric chain hoists, manual chain hoists, etc.) is only possible in halls 3A, 3C, 4A, 7A and 11 and requires prior approval by NürnbergMesse.
The use of lifting equipment (electric chain hoists, manual chain hoists, etc.) in halls 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 12 is strictly prohibited!
The use of lifting equipment is governed by the requirements and implementation instructions of DGUV Regulation 17, DGUV Information Sheet 215-313 and the industry standard SQ P2.
A suitable rope termination (e.g. ring or rope socket) must be provided. **Wire rope fasteners** (holders, sliders) are only designed for static loads and must not be used in conjunction with lifting gear.
Cable holders must be used at least in pairs, i.e. the objects suspended in this way must be fixed to at least two wire ropes in order to stop the load twisting around its own axis on the wire rope. Cable holders may not be installed in the securing chain of the secondary safety component against falling.
Secondary safety devices must be provided for all lifting equipment and slings (polyester round slings) in accordance with the latest engineering practice.
The use of lifting gear must be advised when ordering suspension points!

4.7.5.5 **Electric chain hoists**

Electric chain hoists may only be used in halls with heavy duty suspension devices (halls 3A, 3C, 4A, 7A and 11).
The use of this lifting gear is subject to the Requirements for Electric Chain Hoists in Event Technology (IGVW SQ P2).
The dead weight of the electric chain hoists and dynamic coefficients must be taken account of in the load plan so as not to overload the slinging points and slinging material.
The contractor must subject the hoists to an annual inspection. The test certification mark must be affixed to a visible location on the lifting equipment and the test documentation has to be available on site at all times. This inspection does not replace the inspection by an officially appointed expert every four years.

4.7.5.6 **Manual chain hoists**

Manual chain hoists may only be used in conjunction with heavyduty suspension devices (halls 3A, 3C, 4A, 7A and 11).
Manual chain hoists may only be used in the case of statically determinate systems, i.e. a line load on two hoists or a distributed load on three hoists. The use of manual chain hoists for complex systems is not admissible.
The carrying and load hook of the hoist must be in a perpendicular straight line above the centre of gravity of the load. Winding round the load with the chain (carrier) or guiding the load chain over corners is not admissible.
Loads must always be moved with all attached manual chain hoists at the same time, i.e. there must be as many people lifting at the same time as there are manual chain hoists in use. It must be ensured that the lifting and lowering processes are uniform.
The dead weight of the manual chain hoists and dynamic coefficients must be taken account of in the load plan so as not to overload the slinging points.

4.7.6 **Stand partition walls**

The stand partition walls are fiber board or plastic-coated walls depending on the event. They are not suitable for mounting heavy objects and have no support function during assembly and dismantling. It may be necessary to erect additional supporting walls at extra cost, which may only be removed on the instructions of the organizer.

4.7.7 **Advertising materials, presentations**

The lettering on stands and exhibits, company logos and trademarks must not exceed the specified construction height and should create an attractive impression.
Presentations and slow-moving visual and acoustic advertising and musical reproductions are permitted, provided they do not annoy neighboring stands, do not cause congestion in the gangways and do not drown out the public address systems in the halls. The loudness at the edge of the stand must not exceed 70 dB(A).
When mounting loudspeakers and sound systems they must be directed towards exhibitor's own stand area.
NürnbergMesse can intervene if these regulations are violated and may demand that the items causing the noise are shut down. In the case of show events the provisions of the German accident prevention regulation "Venues and production sites for stage presentations" (DGUV Regulation 17) must be observed.
Shows or product presentations with performance elements must be notified to NürnbergMesse, Exhibition Technology Department (for contact details see 4.2). It must be demonstrated here that there is enough room for spectators on the stand surface. It must be ensured that the demonstrations/advertising measures do not cause any blockages, interference or congestion in the passageways. The demonstrations must not have any adverse impact on neighbouring stands and other exhibitors.
NürnbergMesse is entitled to restrict or prohibit previously approved demonstrations if they create a danger for visitors or exhibitors. In addition, demonstrations may be restricted or prohibited also by reason of optical or acoustical impairments of the current exhibition/ event operation, the emission of substances (dirt, dust, steam, smoke, odours) or by reason of vibrations.
The distribution of printed matter and the use of advertising material are permitted only in the exhibitor's own stand space.
Advertising structures inside the stand must not protrude into the gangways or be mounted higher than the prescribed height.
Advertising that contravenes legal regulations or offends against moral standards is not permitted. Advertising packages or advertising material of companies not registered at the event must not be displayed. Exhibits are not to be set up outside the stand limits.
Possible advertising offers can be found in the Online ExhibitorShop (OES) under Marketing Services.

4.7.8 **Accessibility**

The stands must be designed to meet requirements for access by the disabled. Stands and their equipment should also be accessible and usable by people with restricted mobility without needing the assistance of others.
We recommend installing suitable ramps with a maximum slope of 6 % and minimum width of 1.20 m and a non-slip floor covering. Doors need to have a clear opening width of minimum 0.9 m. Areas of movement and traffic areas need to be at least 1.5 m wide.

4.8 **Outdoor area**

The outdoor area of NürnbergMesse consists of paved or asphalted traffic areas and uneven, mostly non-compacted ballast lawn areas or grown lawn areas.
During event opening times, the outdoor area is illuminated by general road and path lighting after dark. The necessary service connections are available at irregular intervals.
The general provisions of the technical guidelines for stand construction also apply similarly for stands in the outdoor area. Other supplementary instructions are provided in the Instruction Sheet i4.14 Stand structures in the outdoor area.

Responsible person

At the time of registration or at the latest upon commencement of assembly, a **technically responsible person must be named along with his or her mobile telephone number. This person must be continuously reachable at during all event phases** (assembly/event times/dismantling) and must be able to immediately initiate and perform the necessary measures to halt operations in response to weather alerts or disturbances.

4.8.1 **Stand approval/stand structures requiring permission**

Depending on the type and extent, stand structures and special constructions in the outdoor are subject to review and approval by the relevant authority. They are also fundamentally subject to written approval by NürnbergMesse (Exhibition Technology Department). To this end, (see 4.2) an audited or auditable structural analysis (proof of stand safety), dimensioned layout plans and views of the structures and designs must be submitted for review and approval in a timely manner. The type and extent of stand structures requiring permission and approval are defined in Instruction Sheet i4.14 Stand structures in the outdoor area. An audited or auditable proof of stand safety must be provided in every case.

Stand structures in the outdoor area of the Exhibition Centre that are subject to permission and approval include all structural installations that are to be classified as regular temporary structures according to Art. 72 BayBO with a valid model permit or are comparable to them in terms of their construction and design, and all other walkable and/or covered, space-creating or freestanding structural installations (e.g. tents, stages, show trucks, etc.).

In erecting and operating non-stationary stages and stage coverings, the requirements of the Quality Standard **IGVW SQ P5** must also be met.

A copy of the registration with the government authority must be submitted to NürnbergMesse no later than 14 days before the beginning of the event. If you have any questions, please contact

Bauaufsicht Süd
Bauhof 5
90402 Nürnberg
T +49 9 11 2 31-43 71.

The costs for the necessary acceptance of the temporary structure by the relevant authority will be billed to the exhibitor/stand builder.

4.8.2 **Ground anchors**

In general, excavations and ground anchors (e.g. ground stakes) are prohibited in the outdoor area.

If you do not follow this rule, you will be generally liable for all losses and consequences resulting from damage to pipes and cables (even if you are in possession of a special approval and permission from NürnbergMesse).

Materials placed in the outdoor area must be removed without a trace and the original condition restored.

4.8.3 **Weather-related loads**

4.8.3.1 **Wind loads**

As a general rule, all stand structures in the outdoor area must be rated for wind loads in accordance with **Eurocode 1: DIN EN 1991-1-4** with due regard to the local wind zone.

4.8.3.2 **Wind loads for temporary structures**

If a structure is a **temporary structure** under the building codes according to **Art. 72 BayBO**, the wind loads according to DIN EN 13814, 5.3.3.4 (for exhibition installations) and DIN EN 13782, 6.4.2.2 (for tents) in conjunction with the "BayBO List of technical rules introduced as technical building regulations " may be applied.

If an operational load case according to DIN EN 13814, 5.3.3.4 is claimed, the exhibitor/stand operator must take organizational measures to ensure the cessation of operations from a **wind speed of v_{10} = 15 m/s** (also in gusts).

4.8.3.3 **Snow loads**

No snow loads need to be considered for stand construction measures in the snow-free period (April - Oct.). For stand construction measures in the **winter time (Nov. - March)**, the regular snow loads according to **Eurocode 1: DIN EN 1991-1-3/NA** must be demonstrably considered for all supporting roofs, with due regard to the local **snow load zone**.

4.8.4 **Weather alerts**

The stand operator is obligated to pay attention to weather forecasts and take the necessary protective measures, up to and including dismantling or cessation of operations, in response to weather alerts. In addition, the exhibition company will issue a general weather alert to the designated responsible person of the outdoor stand operator in accordance with Item 4.8.

In the case of mobile installations (e.g. small exhibits, furniture, sunshades, small promotional displays, etc.), the exhibitor/stand operator must ensure that they can always be quickly dismantled and adequately secured in response to weather alerts.

4.8.5 **Exits/escape routes**

The escape **route length** from every visitor site to the next exit to the outside may not be longer than **30 m**.

The width of escape routes must be measured on the basis of the highest possible number of persons. The clear width of every part of escape routes must be at least 1.20 m.

The clear width of escape routes must be dimensioned for the persons who rely on them:

- 1.20 m for each 200 persons in enclosed rooms
- 1.20 m for each 600 persons in outdoor areas.

Steps are only permitted at intervals of 0.60 m.

Enclosed rooms with a surface area of more than 100 m² must have at least two exits, if possible on opposite sides.

The clear width of the exits must be equal to the width of the escape route.

The necessary exits must be permanently and well visibly marked with appropriate emergency exit pictograms. Additional requirements for the marking of escape and emergency routes can be found in 4.5.1.

4.8.6 **Glass**

Only safety glass suited for the intended purpose may be used. Additional information on the use of glass and acrylic glass is provided in Item 4.4.3.

4.9 **Two-storey stands**

4.9.1 **Application**

Multi-storey stands are only possible in the exhibition halls if authorized by NürnbergMesse. The application must be submitted immediately after receipt of stand approval and by the specified deadline (see 4.2). The necessary application form **(Form P1.1)** is obtainable from the respective exhibition management.

Two-storey stands are not possible in halls 10.1, 11.1 and 12.2.

4.9.2 **Regulations on building over stand areas, safety clearances, height of rooms in stands**

The maximum height of structures is shown in the Instruction Sheet: Hall details at a glance.

The clear height of inside rooms of multi-storey stands must be at least 2.30 m on the ground floor and upper floors.

For fire safety reasons, a sprinkler system must be installed by the responsible ServicePartner BSS to protect the structure.

By way of exception, smoke or differential heat detectors must be installed by the relevant ServicePartner SPIE SAG GmbH in halls 4A, 7A and 11 as an alternative to a sprinkler system.

Stand structures bordering on neighboring stands are to be finished in a light and neutral single color above the height of 2.50 m.

4.9.3 **Permissible loads/load assumptions**

The **vertical loads** for the ceiling of a multi-storey stand inside an exhibition hall must comply with Eurocode 1: DIN EN 1991-1-1/NA:2010-12 Table 6.1DE [Cat. C] as follows:

- Load required for **restricted use** by visitors or stand staff for meetings and customer support, i.e. furnished with tables and chairs arranged at random or divided into office cubicles **q_k = 3,0 kN/m²** (Cat. C1).
- Load required for **unrestricted use** as freely accessible display and meeting area or as sales space with or without closely spaced seats: **q_k = 5.0 kN/m²** (Cat. C3).

The respective option must be clearly identified in the plans submitted for approval.

Staircases and stair landings must always be designed for a load (Cat. T2) of: **q_k = 5.0 kN/m²**.

To achieve sufficient **longitudinal and lateral stability** for multi-storey exhibition stands, landings or platforms, a horizontal load of **$H = \sum q_k/20$** (q_k = vertical load) is required at the height of the floor of the second storey.

For **balustrades and railings**, a horizontal load of **q_k = 1.0 kN/m** at handrail height (at least 1.10 m) must be applied according to Eurocode 1: DIN EN 1991-1-1/NA:2010-12 Table 6.12DE. The fall-protecting function of **outer walls** in the upper floors must be appropriately demonstrated. A **horizontal equivalent distributed load q_h = 0.125 kN/m²** (see Item 4.1) must be taken into consideration in order to achieve adequate protection against tilting and sliding and ensure the stability of stand structures.

It must be verified that the permissible loads on the hall floor are not exceeded, e.g. by single supports (see 3.1 Hall data). If required, load-distributing floor panels have to be provided underneath the supports. Service ducts and covers must be covered with floor panels to prevent loads on them.

The proof of stand stability must take into account that floor anchors are not admissible.

4.9.4 **Escape routes, stairs**

The **walking distance** to the next hall necessary gangway from any accessible point on the top floor of a multi-storey stand **must not exceed 20 m**. Escape routes may not pass through functional areas (e.g. kitchen, storage room).

The following minimum **number and clear width of escape routes** (exits, corridors) are to be provided:

- up to 100 m^2: and less than 100 people 1 escape route (clear width 0.90 m)
- over 100 m^2: and less than 200 people at least 2 escape routes (0.90 m wide)
- more than 100 m^2 and more than 200 people at least 2 escape routes (each 1.20 m wide)

  Escape route widths are to be graduated only in 0.60 m increments per 100 people.

If the floor space of the upper floor exceeds 100 m^2, at least two stairs are required. The stairs must be positioned opposite each other.

All **stairs** must conform to DIN 18065 and must have a clear width of at least 1.20 m.

The necessary stairs and the stairs used for general visitor traffic must have closed steps. Winding or spiral stairs are not permitted. The rise of the stairs must not exceed 0.19 m and the depth of the treads must not be less than 0.26 m. When determining the tread width, it should be ensured that "undercutting" (e.g. with risers) cannot be taken into account. Furthermore, in designing the undercutting, care must be taken to ensure that the heel is not caught when going down stairs.

With stairs, an intermediate landing must be provided after 18 steps. The depth of the landing should be a multiple of the step dimension. An uneven number of steps should be taken as a basis.

Stairs may not begin immediately behind a door. There must be a sufficient landing (min. depth 1.0 m) between the staircase and the door.

Winding or spiral stairs are not permitted.

Hand rails must offer a firm grip and be continuous.

The side clearance between hand rails and adjacent parts must be at least 0.05 m.

Stairs must have handrails on both sides. Stairs more than 2.40 m wide must have central handrails. The clear headroom must be at least 2.00 m.

Due to the design of multi-storey exhibition stands, the general **safety lighting** available in the hall may not work in all areas of the stand in the event of a power outage. To ensure that persons in these enclosed areas can find their way safely to the general traffic areas, it is necessary to install an additional, own safety lighting system (see Item 5.3.5), which must be coordinated with NürnbergMesse in advance (see Item 4.2).

Escape and emergency routes must be permanently marked in accordance with ASR A1.3 or DIN EN ISO 7010, DIN EN 1838 and DIN 4844-1. It must always be possible to open the doors to these exits from inside to the escape direction during the event and these doors must not protrude into the hall gangways. An appropriate niche must be provided in any case.

4.9.5 **Building materials**

In the case of two-storey stands the load-bearing structures, ceilings on the ground floor and floor of top floor have to be made of flame resistant materials (to DIN 4102 or EN 13501-1) or flame retardant components as a minimum. Further requirements relating to stand construction and decoration material are described in 4.4.1.1. Stand roofing/ceilings are to be executed in accordance with 4.4.2.

4.9.6 **Upper floor**

If balustrades are necessary on the upper floor, a lip of at least 5 cm must be provided on the floor at the base of the railings to **prevent objects rolling over** the edge.

Railings and balustrades are to conform to **Item 4.6** and **Item 4.9.3**. Handrails/upper balustrade ends must be designed in such a way as to prevent the placement of objects and the risk of their falling below.

The fall-protecting function of **outer walls on the upper floor** must be assured and demonstrated in the structural calculations.

If **ceilings above the upper floor** are closed design, the requirements for **stand roofing** as per **Item 4.4.2** must be observed.

All reception and lecture rooms enclosed on all sides must have a **line of sight** to the hall. For other requirements please refer to 4.4.4.

In addition to the fire extinguishers available on the ground floor, on the upper floor at least one **fire extinguisher** (EN3) must be provided ready for use in a prominent position for each stairway (see Item 4.4.1.13).

5. Industrial safety, technical safety regulations, technical rules, technical supplies

5.1 **General regulations**

Assembly and dismantling work may only be carried out in accordance with labour and industrial regulations. The exhibitor/stand builder/customer is responsible for operating safety and for compliance with the Occupational Health & Safety and Accident Prevention Regulations on his stand/event area.

5.1.1 **Damage**

Any damage to the exhibition grounds, its buildings or installations caused by exhibitors or their agents will be rectified by NürnbergMesse at exhibitor's cost after the end of the event.

The exhibition areas must be restored to their original condition after dismantling and all damage is to be notified to the event organizer. The exhibitor is responsible for any damage caused to the hall ceilings, walls, floors and installations.

Stands not dismantled or exhibits not removed by the official deadline for dismantling may be removed and stored by the exhibition forwarding agent at the exhibitor's cost and risk or disposed of at the exhibitor's cost.

5.1.2 **Coordination of work at the exhibition site**

If the employees of different companies must perform work concurrently at the exhibition site/event area (especially in the assembly and dismantling phases), **the stand construction supervisor** must perform a **coordination according to the German Working Conditions Act** (ArbSchG) and DGUV (German Statutory Accident Insurance) Regulation 1 to rule out possible mutual threats.

This applies particularly also to the work performed by service providers of the exhibition company on the exhibition stand.

In addition, necessary measures to improve the safety and health protection of employees in the workplace in accordance with the currently valid European Directive EC-RL 89/391/EWG must be observed and implemented in the work performed at the exhibition site.

Entering the exhibition site during assembly, conversion, and dismantling may be associated with dangers that necessitate the wearing of suitable **personal protective equipment (PPE)**. The exhibitor must conduct a risk assessment for its employees and contractors under its own responsibility and inform them of dangers, compensation measures, and suitable personal protective equipment (PPE). The exhibitor is responsible for implementing and monitoring the specified measures.

5.2 **Use of tools and equipment**

The use of bolt-firing tools, nail guns and chain saws is prohibited.

The use of woodworking machines without sawdust extractors is prohibited.

In general, all types of **wood working** during the event must be notified to NürnbergMesse (see Item 4.2) and require a written approval. During all wood working demonstrations, suitable safety enclosures must be provided for the protection of visitors (see also Item 5.6.2.1). Furthermore, suitable fire prevention measures must be implemented.

The requirements of DGUV Information 203-006 must be observed in the selection and operation of **electrical equipment and tools**.

Rented **elevating work platforms** may only be operated by qualified persons above the age of 18 years. Proof of qualification to IPAF or DGUV Rules of Procedure 308-008 must be provided. Drivers must be in possession of driving licences at all times.

For reasons of safety and liability, elevating work platforms may only be requested from our ServicePartner SPIE SAG GmbH.

Cranes and forklift trucks may only be used by the forwarding agents appointed by NürnbergMesse.

For safety and liability reasons, working platforms etc. may only be requested via our ServicePartner SPIE SAG GmbH.

5.2.1 **Explosive mixtures**
Explosive mixtures may be formed when handling flammable hazardous materials (e.g. liquids, gases, dusts. etc.).
It is therefore essential that an **explosion protection document** is prepared for all systems, structures, exhibits or demonstrations involving hazardous materials of this type.
The explosion protection document must be drawn up by the exhibitor. The complete explosion protection document must be submitted by the exhibitor to NürnbergMesse in time (see Item 4.2) beforehand for approval. Safety against explosion will be tested on site, for a fee, before the system is taken into operation (before the start of the trade fair).
If no explosion protection document is submitted or if defects are found during the inspection on site, the operation of the system/the demonstration cannot be approved.
Detailed information about the explosion protection document and the explosion safety test is provided in the information sheet ***i4.15 Explosive Mixtures***.

5.2.2 **Devices for catching wood dust and shavings**
Devices for the extraction and storage of dust, shavings or chippings from wood or wood materials (e.g. silos) must be tested before start of operation in accordance with the German Hazardous Substances Act (GefStoffV) by a person authorized to carry out testing according to the German Occupational Health and Safety Regulations (BetrSichV), taking into account the proposed mode of operation, to ensure that they are in order in terms of their assembly, installation, set-up conditions and safe function.
In general, devices of this type must be notified in time (see Item 4.2) in advance to NürnbergMesse for approval. The operator of the system is responsible for guaranteeing operating safety on start of operation (see Item 5).
The operator/exhibitor must draw up a **risk assessment in the form of an explosion protection document** (according to the Hazardous Substances Regulations, Industrial Safety Regulations, TRGS 720 bis 725 und TRGS 727) and enclose it with the notification (see information sheet ***i4.15 Explosive Mixtures)***.
If **wood working machines** are demonstrated during the trade fair so that an increased **amount of dust or shavings** becomes likely, the provisions of DGUV Information 209-083 and 209-045 regarding the installation of automatic spark extinguisher systems must be also be followed. In justified exceptional cases (e.g. restricted demonstration of the system), there may be no need to install the spark extinguisher system once approval has been given in writing by NürnbergMesse (see Item 4.2).

5.3 **Electrical installation**

5.3.1 **Connections**
When ordered, each stand to be supplied with electricity will receive one or more connections, which will be installed exclusively by the relevant ServicePartner of NürnbergMesse. The installation of these connections is only to be carried out by the responsible ServicePartner of NürnbergMesse. The layout plan showing the desired position of the connections is to be enclosed with the orders on the order form. Electricity consumption will be charged at a fixed amount for connections up to 20 kW and based on meter readings for connections over 20 kW.
The power supply is available from the start of assembly until the end of dismantling. Other times of availability can be arranged with the responsible ServicePartner. The exhibitor is obliged to protect his supply connection point against damage and accidents.
For safety and fire protection reasons, all electricity consumers must be shut off upon leaving the stand at the end of every event day. By way of exception, safety systems, emergency lighting, refrigerators and servers may remain in operation.
Generators may not be used at exhibition stands.

5.3.2 **Stand installation**
Electrical installation work on the stand can be carried out to order by the responsible ServicePartner of NürnbergMesse.
Within the stands, i.e. from the transfer point, installation work after the supply connection point on the stand can be carried out by the exhibitor's own electricians or by approved electrical contractors in accordance with VDE regulations, applicable European regulations and current engineering practice. If clamp or screw connections are used in the installation within the stand, the electrician performing the work must inspect the installed system. Afterwards, the electrician must prepare written documentation of the inspection (measurement reports and construction certificates), which must be kept on hand at the stand for examination. In addition, the valid inspection reports for all electrical equipment according to DGUV Regulation 3 must be kept on hand.
Connections, machines and equipment that do not comply with the regulations or whose consumption is higher than registered are inadmissible. Such items may be removed from the stand and taken into custody by NürnbergMesse at exhibitor's cost and risk.

5.3.3 **Installation and operating regulations**
The entire electrical installation is to be carried out in accordance with the latest safety regulations of the Electrical Engineering Association (VDE) and Accident Prevention Regulations (DGUV Regulation 3).
The requirements of VDE 0100, VDE 0100-706, VDE 0100-718, VDE 0108, VDE 0128, VDE 0100-560 and VDE 0100-711 (IEC Standard 60364-7-711). The exhibitor assumes full liability for damage resulting that may occur due to faulty electrical installations on halls and building parts of NürnbergMesse and on the stands and exhibits of other exhibitors.
Protection with residual current devices (RCD) is mandatory for all power circuits.
An RCD with a maximum fault release current of 30 mA is specified for mains sockets and lighting circuits. Another suitable method of protection may be used for special machinery and equipment (frequency converters). The exhibitor is responsible for such measures.
The amount of high- or low-frequency interference with the mains supply must not exceed the limits stated in VDE 0160 and VDE 0838 (ISO 50 006 and EN 61000-2-4).
Cables with solid conductors must be laid and connected permanently. Flexible cables must be provided with strain relief devices. The minimum specification for all cables used during assembly and dismantling is H07RNF or at least equivalent (VDE 0298). Cables such as H05.... or similar may only be used in areas where they are subject to low mechanical loads (VDE 0298). Only cable with a minimum cross-section of 1.5 mm² Cu may be used.
Conductive components are to be incorporated in the precautions for protection against indirect contact (stand grounding and/or equipotential bonding).
Secondary circuits (all cables from the provided electrical connection) must be protected from short-circuit and overload using suitable circuit breakers.
Low-voltage systems may only be operated with safety transformers to DIN EN 61558 (VDE 0570) or 61046/61047 or equivalent. The transformers must be suitable for installation on combustible surfaces and their primary and secondary circuits equipped with protection against overheating, short-circuit and overload.
Bare (uninsulated) electrical conductors and clamps are prohibited in low- voltage lighting systems and cable systems must also be completely insulated. All terminal connections have to end in a closed box. Flexible cables (and flat cables) must not be laid under floor coverings without protection against mechanical loads.
The electrical installation on the stand may not be taken into operation for the event until it has been accepted and inspected and approved by an authorized person. An acceptance report must be available for inspection on the stand.

5.3.4 **Safety measures**
As a special precaution, all heat-generating electric appliances (hot plates, spotlights, transformers, coffee percolators, etc.) are to be mounted on non-combustible, heat-resistant, asbestos-free bases. Depending on the **heat generated**, sufficient separation is to be maintained from combustible materials.
Light fittings may only be mounted on non-combustible decorations or the like. Spotlights, floodlights, spotlights on luminaire tracks and their supply fittings such as power rails, switch boxes or the like are to be secured individually with **safety back-up wire ropes** to current standards.
Power rails have to be fitted with protective caps. They must not be fastened using cable ties. In the case of halogen lighting only spotlights with **protective screens** are admissible. In addition, suitable **shatter protection** as specified by manufacturer must be used in the case of lens spotlights (e.g. natural light spotlights with exchangeable lenses, or PAR spotlights with halogen bulbs).
When UV lamps are used, any threats resulting from increased radiation exposure must be ruled out. When discharge lamps are used, appropriate **UV filters** conforming to the manufacturer's instructions must be used. UV lamps of types UV-B and UV-C may be used for the intended purpose in devices designed for that purpose only if it can be assured that no unprotected radiation can escape.
Unauthorized modifications to hall lighting such as removing individual fluorescent bulbs is prohibited.

5.3.5 **Emergency lighting**
Stands whose special design means that the existing general emergency lighting of the building is ineffective must have their own additional emergency lighting in accordance with VDE 0100-718 and DIN EN 50172.
This is to be designed to ensure safe access to the general escape routes.

5.4 **Water and waste water installation**
When ordered, each stand to be supplied with water and waste water drainage will receive one or more connections to current standards.
These connections may only be installed by the relevant ServicePartner of NürnbergMesse. A layout plan showing the desired placement of the connections must be enclosed with the orders placed using the required form.
All installations inside the stands have to comply with the current regulations and engineering practice (e.g. drinking water regulations and DIN 1988), so as to prevent any lasting impairment of drinking water quality due to the installation and operation of a connection.
NürnbergMesse reserves the right to perform random inspections of the installations.
Continuous flow coolers may not be connected directly to the drinking water supply.
It is forbidden to take water from hydrants or other fire extinguishing equipment.
For safety reasons, the water supply is shut off on the last day of the exhibition – usually one hour after closing time!
Chemically contaminated waste water, food and grease residues must not be introduced into the waste water system but must be properly disposed of.
For more information, guidelines and conditions see Online ExhibitorShop (OES) under Water supply and drainage.

5.4.1 **Connections**
In the installation of the water connection, the feed line is usually installed in the form of a ½-inch hose and the drain line in the form of a 50 mm pipe (DN 50).
The connections lead from the service shafts in the hall floor within the stand area (positioned according to the hall layout plan).
Within the stand, the lines are laid on the hall floor, meaning that the arrangement of the pipelines must be coordinated with the relevant ServicePartner in advance and it may be necessary to consider the installation height of the pipes and lines.
The placement of lines that cross other stands must be avoided; in exceptional cases, such placement requires the prior written approval of NürnbergMesse (see Item 4.2). The lines must be laid and covered in such a way as the ensure traffic safety. The exhibitor bears the costs of this work.
Water pipes may not be placed in the hall gangways!

5.4.2 **Use of water-bearing systems and equipment**
When using water e.g. in basins, fountains, water walls, humidity or other water spray systems at the stand, the water must be completely hygienic.
This is why when using such systems the circulating water must always be protected from infection.
Documentary evidence of this must be produced at the request of NürnbergMesse.
The use of the systems described above must limited on the stand area. Hall gangways or other exhibitors must not be located in the effective area of such systems or equipment.
The exhibitor is liable for water damage and related consequential damage.

5.5 **Compressed air/gas installation**

5.5.1 **Compressed air**
When ordered, each stand to be supplied with compressed air (max. 7.5 bar) will receive one or more connections of the required size. The supply connection point is always fitted with a ball valve or quick coupler.
The installation of these connections is only to be carried out by the responsible ServicePartner of NürnbergMesse.
The layout plan showing the desired connection points is to be enclosed with the orders on the order form.
The amount of compressed air used is included in the connection charge.
Compressed air is available during the official assembly and dismantling period. During the event, compressed air is available from 8:00 until closing time. For safety reasons, the compressed air supply is shut off at all other times.
Compressed air can be provided outside the stated times by arrangement and at extra cost.

5.5.1.1 **Connections**
Nominal widths of up to 1 inch are possible for the installation of compressed air connections.
The connections lead from the supply ducts in the hall floor within the stand area (positioned according to the hall layout plan).
Within the stand, the lines are laid on the hall floor, meaning that the arrangement of the pipelines must be coordinated with the relevant ServicePartner in advance and it may be necessary to consider the installation height of the pipes and lines.

5.5.1.2 **Stand installations**
Qualified employees of the exhibitor may perform the installation of compressed air lines from the main connection and connections to exhibits inside stands if they observe the applicable regulations. Alternatively, the work can be ordered from the responsible ServicePartner of NürnbergMesse or carried out by suitably qualified outside contractors.
The exhibitor bears responsibility for self-installation.

5.5.1.3 **Installation and operating regulations**
We recommend the installation of fine filters, water traps, reducing valves and safety valves to protect exhibits. The hoses and fittings used must be rated for a minimum operating pressure of 10 bar and protected against mechanical loads. The hoses must be laid and fixed to allow the smallest possible freedom of movement in the event of an accident – especially at the joints.

5.5.1.4 **Compressed air cylinders**
The large capacity of the supply network means that compressed air chambers/cylinders are not normally required for the operation of exhibits. In general, compressed air containers must be rated for a minimum operating pressure of 10 bar and equipped with tested and approved fittings according to the German Occupational Health and Safety Regulations (BetrSichV).
The inspection log for the specified initial inspection and regular 5- or 10-year inspections must be available on the stand. Compressed air containers must pass an acceptance inspection by an authorized person (according to TRBS 1203 Part 2) before being taken into operation and the inspection certificate must be available on the stand.

5.5.1.5 **Compressors**
Own compressors are not permitted for operational safety reasons. This also includes the use of small or auxiliary compressors.
Compressors may be used under certain conditions and with the written approval of NürnbergMesse (see Item 4.2).
Exceptions to the aforementioned prohibition are possible in the following cases:
- The compressor is an integral part of the exhibit
- The compressor is your exhibit
- The compressor is an integral part of the exhibit and is sold together with it

In general, compressors may only be used if they have been inspected by a capable person to verify their operability and operational safety in accordance with the applicable BetrSichV and TRBS 1203 (Part 2).
The noise produced by the compressor may not disturb exhibitors and visitors and may not exceed 70 dB (A) at the edge of the stand.
The manufacturer's EC declaration of conformity for the compressor is to be available at the stand.
The exhibitor is responsible for proper disposal of condensates and solids containing oil and waste oil. Evidence of this is to be available at the stand.

5.5.2 **Gas**
It is not possible to supply gas/natural gas from the hall network of NürnbergMesse.
Please refer to Item 5.7 is technical gases are used.

5.6 **Machines, pressure vessels, exhaust gas systems**

5.6.1 **Noise emission**

The operation of machinery and equipment causing noise is to be limited as far as possible in the interest of all exhibitors and visitors. The noise at the edge of the stand must not exceed 70 dB(A) and measures to prevent the risk of hearing loss of the audience according to DIN 15905 (Part 5) must be taken.

The exhibition management team may establish demonstration times for noise-generating machines and devices to prevent a continuous noise nuisance for other exhibitors and visitors. Furthermore, if demonstrations cause noise, the exhibitor may be required to provide suitable hearing protection free of charge. The exhibitor must provide signs to draw attention clearly to the emission of noise and the provision of hearing protection.

The operation of machinery and equipment with centrifugal force is only admissible provided there is no transfer to building components. DIN 4150-2 can be applied to determine and comply with the permissible vibrational immission limits according to the Federal Immission Control Act (BImSchG).

5.6.2 **Product safety**

All exhibited products, equipment in need of monitoring, technical equipment, medical products and consumer products must fulfill the requirements of the Product Safety Act (ProdSG) and the respective harmonized EU regulations.

Technical equipment and consumer products not conforming to these requirements must bear a sign in a prominent position stating that they do not conform to the requirements of the above-mentioned act and cannot be purchased until they comply with the statutory requirements.

The relevant manufacturer's declaration of conformity must be available on the stand for technical equipment and consumer products bearing the CE marking.

For demonstrations, the necessary protective precautions must be taken by stand staff. Your attention is also drawn to the Product Liability Act (ProdHaftG) and Product Safety Regulations (ProdSV).

5.6.2.1 **Safety devices**

Machines and apparatus may only be taken into operation with all safety devices in place. The normal safety devices may be replaced with a safety cover of safety glass or a similar transparent material if the same level of safety is assured.

If equipment is not being operated and is reliably secured against start-up, the safety devices can be removed to show visitors the design and finish of the covered parts. In this case, the safety devices must remain in a clearly visible position next to the machine.

Risks of injury must be precluded under all circumstances.

5.6.2.2 **Inspection procedures**

The technical equipment on display will be inspected for accident prevention and safety by the responsible supervisory authority for each exhibition, if necessary with the responsible trade association committees, and checked for compliance with the safety requirements.

The EC declaration of conformity or manufacturer's declaration and operating instructions in the German language must be available for inspection on the stand to enable the authority to check the CE marking. In case of doubt, the exhibitor should contact the responsible authority at an early stage before the start of the exhibition.

5.6.2.3 **Requirements before start-up**

NürnbergMesse is entitled to ban the operation of machinery, apparatus and equipment at any time, if such operation is deemed to constitute a hazard to persons and property or adversely affect other exhibitors or the orderly running of the exhibition.

5.6.3 **Pressure vessels**

5.6.3.1 **Acceptance certificate**

Pressure vessels may only be operated on the stand if the inspections stipulated in the currently valid Occupational Health and Safety Regulations (German BetrSichV) have been carried out.

The associated inspection certificates are to be available at the installed location of the pressure vessel (exhibition space) and presented to the responsible supervisory authority or NürnbergMesse on request.

5.6.3.2 **Testing**

In addition to the submission of certification on structural and hydrostatic pressure testing (EC declaration of conformity plus the necessary documents in German or English), an acceptance inspection must be conducted on site by a capable person or approved inspection agency..

Pressure vessels and pressure systems must be inspected on site before initial operation, following modifications requiring a renewed inspection and then recurrently by the above-mentioned persons. If the pressure system is assembled on site at the exhibition centre, this system must then be inspected in the same way as before initial operation.

5.6.3.3 **Rented equipment**

As during the relatively short assembly period it is not possible to conduct assessments of pressure vessels without an EC declaration of conformity, preference should be given to rental equipment that has already been tested.

5.6.3.4 **Supervision**

The necessary acceptance certificate must be available for the trade inspectorate during the event at the exhibition stand. Information for specific exhibitions is available from the responsible supervisory authority.

5.6.4 **Exhaust gases and vapors**

Combustible and/or oily vapours, gases, aerosols and dust emitted by exhibits and equipment that constitute a health hazard or nuisance to the general public must not be discharged into the halls. They must be discharged outside through suitable pipes in accordance with the German Federal Immission Control Act.

Vapors or odors given off by cooking appliances must not be discharged into the hall but have to removed using an exhaust air system or treated using suitable activated carbon or aerosol separators.

5.6.5 **Exhaust gas systems**

To discharge vapors and gases that are combustible, hazardous to health or a nuisance to the general public an exhaust gas duct with outlet has to be installed.

The exhaust gas ducts will be mounted into the atmosphere only by the relevant ServicePartners of NürnbergMesse using their own material, insofar as technically feasible. The connections to the exhibits are to be executed by the exhibitor. The connections must comply with the regulations in force and accepted engineering practice.

Pipes discharging fumes and waste gas must be made of non- combustible materials. The distance from exhaust gas piping to combustible materials or similar must be at least 0.50 m and if necessary enclosed in a protective pipe or sleeve.

Exhaust gas systems are generally to be approved in writing by NürnbergMesse.

5.7 **Use of compressed gases, liquid gases and combustible liquids, fuel paste and other fuels**

5.7.1 **Compressed and liquid gas systems**

The storage and use of compressed and liquid gas in the exhibition halls or outdoor area is prohibited unless approved in writing by NürnbergMesse.

5.7.1.1 **Approval of compressed gas cylinders**

The storage and use of liquid gas or other combustible or non-combustible gases in compressed gas cylinders, compressed gas packs or tanks without the written approval of NürnbergMesse per Form P2 (see Item 4.2) are prohibited.

Compressed gas cylinders must be protected against impact, falling over, unauthorized use and heating up in accordance with the relevant accident prevention regulations. Toxic gases may not be used.

When using technical gases, the supply in the stand must be limited to the lowest possible quantity that is immediately required for the work process. If necessary, the container must also be replaced several times a day.

The gas cylinder may be stored in the exhibition stand for day-to-day use only during the event hours. Technical gases (and compressed gas cylinders) must generally be stored outside of the halls during assembly and dismantling and overnight.

Gas cylinders must feature approved safety valves and be sealed at the close of day.
Only one cylinder filled with combustible technical gases to a max. net weight of 5 kg may be used for each stand in the halls. **Non-combustible technical gases are limited to a max. net weight of 11 kg.** Only one connected use cylinder may be located in the stand.
If a larger quantity of technical gas is needed to operate an exhibit, NürnbergMesse shall work with the exhibitor, the relevant authorities and the ServicePartners to find a way of storing it outside the hall.
In addition to the currently valid Hazardous Substances Regulations (GefStoffV), the provisions of TRGS 510 and TRGS 800 must be observed. Colour marking of compressed gas cylinders as per DIN EN 1089 is necessary.

5.7.1.2 **Use of liquid gas**
When **using combustible liquid gas, only one compressed gas cylinder with a content of up to 5 kg** may be set up in any one exhibition stand, subject to the written approval of NürnbergMesse.
The lines to the operating unit and the feed line must be installed in the form of rigid pipes or flexible metal-reinforced hoses.
The operating unit must be set up on a large and non-combustible base at an adequate distance from heat sources and in such a way that it cannot topple over. Open fireplaces and hot surfaces must be kept at a minimum distance of 1.5 m from emergency routes (e.g. hall gangways) and effectively shielded. A gas detection system is required in certain cases.
An acceptance certificate for the liquid cylinder must be prepared by a capable person and submitted to NürnbergMesse. The prescribed instruction sheet for the operation of the unit must be displayed in a clearly visible place.

5.7.1.3 **Installation and maintenance**
Liquid gas systems are to be installed and maintained in accordance with the "Technical Rules for Liquid Gas" DVFG-TRF 2012 (publisher: DVGW Deutscher Verein des Gas- und Wasserfaches e.V. and DVFG Deutscher Verband Flüssiggase e.V.), DGUV Regulation 79 and the DGUV Regulation 80 "Use of Liquid Gas".
Please pay attention to Item 5.7.1.1.
The operator of the system must prepare an **explosion protection document** in accordance with § 3 and § 5 of the German Occupational Health and Safety Regulations and submit it with the application for approval. The overall system must be **inspected by an expert (capable person)** in accordance with DGUVPrinciple 310-005 before being placed in service. The expert must be engaged directly by the exhibitor.

5.7.2 **Combustible liquids**
The storage of combustible liquids is prohibited as a general rule. Exceptions for operational reasons must be coordinated with NürnbergMesse using Form P2 at an early time (see Item 4.2); written approval is required.
DGUV Rule 113-001, TRGS 510 and the corresponding documents, as well as the instructions of the safety data sheet, must be followed. Because combustible liquids are usually also declared to be hazardous substances, the requirements of Item 5.8 must be observed.
Combustible liquids kept on the site may not exceed the necessary quantity for the work process.
The quantity kept on hand may not exceed one day's supply.
Refillings must be notified and may only be done outside of visitor hours and in compliance with the technical safety regulations.
Emptied containers must be removed immediately from the hall.
The storage of flammable and/or explosive cleaning agents in the hall is prohibited.
The smoking ban must be strictly observed.
Suitable extinguishing agents for liquid fires must be provided in a sufficient quantity. See Item 4.4.1.13.
The use of dummies is prescribed for exhibition purposes.

5.7.3 **Open flame, fuel pastes and other fuels**
Heating and cooking appliances using wood, charcoal, gas, combustible liquids or fuel pastes are not allowed in the halls.

5.8 **Hazardous substances**
The deployment and use of materials or products containing asbestos, or of other hazardous substances or building materials containing hazardous substances, are prohibited.
This ruling is based on the Protection against Hazardous Substances Act (Chemicals Act), as amended, Federal Law Gazette (German BGBl) 1, Part 1, page 1703, in conjunction with the Prohibited Chemicals Act (Chem.Verbots V) and the Hazardous Substances Regulations (GefStoff V).
In general, the use of substances declared or marked as hazardous must be notified in good time to NürnbergMesse (see Item 4.2). For inspection and release, it is essential that the notification is accompanied by a list of substances including the corresponding **safety data sheets and operating instructions along with a risk assessment**.
If hazardous materials are handled and used in connection with exhibits, the exhibitor must guarantee that this does not cause any risk. Based on the Hazardous Substances Regulations (GefStoffV), it is essential that the exhibitor prepares a risk assessment beforehand. The determined and specified protective measures must be implemented at the stand and the local staff must be instructed according to the risk assessment. The risk assessment and the safety data sheets for the hazardous materials must be kept permanently on the stand and displayed so that they are clearly visible.

5.9 **Performance areas**
Performance areas are defined areas used for artistic and other performances.
Performance areas are areas used for artistic and other perform
For performance areas of more than 50 m² or 200 m², "event equipment directors" must be appointed in accordance with § 39 of the Bavarian Venue Regulations (BayVStättV) in conjunction with § 40. Even for smaller performance areas, complex technical installations and structures may require the presence of a **"responsible person for event technology"** according to BayVStättV § 39 in conjunction with BayVStättV §40**.** The "responsible person for event technology", who will be present during assembly and dismantling, rehearsals and during the performances on location must be designated in writing to NürnbergMesse (see Item 4.2 for contacts).
All stage and performance-related structures are to be installed as per the latest state-of-the-art (DGUV Regulation 17, formerly BGV C1 and instructions contained therein). NürnbergMesse must be notified of stage effects (e.g. wind, fog, pyrotechnics, activities involving fire hazards, candles etc.) at least 28 days before the event.
Please take note of 4.2.1, because certain structures (e.g. podiums, rostrums, LED walls etc.) have to be inspected and approved by NürnbergMesse. Under certain circumstances the cavities underneath stages and podiums need to be monitored by VdS-certified smoke alarms (see 4.6).
Depending on the type of event and the risk from technical structures, suitably qualified personnel (stage and studio professionals) are to be appointed.
During musical, acoustical or stage performances, the **noise level at the stand edge** may not exceed **70 dB (A)**. Any threat to the hearing sense of visitors in the stand area must be ruled out. Additional information regarding musical performances, presentations, acoustical or optical demonstrations at the exhibition stand can be found in 4.7.7 and 5.13.

5.10. **Radiation protection**
Information about radiation protection can be obtained from the DGUV and the responsible trade inspectorate.

5.10.1 **Radioactive substances**
The handling of radioactive substances is subject to permission and must be additionally approved by NürnbergMesse. NürnbergMesse is under no obligation to grant its approval.
According to the Radiation Protection Regulations (StrlSchV), approval is to be applied for from the State Environmental Protection Office and submitted to NürnbergMesse by the specified deadline (see 4.2). If approval already exists, evidence must be provided that the intended handling of radioactive substances in the exhibition grounds is legally permitted.

5.10.2 **X-ray systems and stray radiation sources**

The operation of X-ray systems and stray radiation sources is subject to permission and must be additionally approved by NürnbergMesse.

The current Radiation Protection Regulations (StrlSchV) and the Radiation Protection Act (StrlSchG) must be observed. The operation of X-ray systems and sources of stray radiation is subject to approval or notifiable in accordance with StrlSchG. The authority responsible for the exhibition grounds is the Nuremberg Trade Inspectorate and applications must be submitted in writing on time (see 4.2) (see Instruction Sheet i4.11).

X-ray facilities and stray radiation sources requiring permission must be inspected by an expert at the place of installation in the Exhibition Centre. The inspection report must be submitted to the government authority and NürnbergMesse.

Stray radiation sources that are expressly approved for portable demonstration use outside of X-ray rooms according to the up-to-date test report do not need to be tested after installation at the exhibition stand.

The exhibitor must ensure the presence of a radiation protection officer during operation. The permission of the government authority or confirmation of registration of the X-ray system, the inspection report and technical qualification verification of the radiation protection officer must be kept on hand in the stand.

5.10.3 **Laser systems**

The operation of laser systems is subject to permission and must be approved by the Exhibition Technology Departement of NürnbergMesse (see Instruction Sheet i4.10 "Operation of laser systems"). The operation of laser systems is to be notified to the responsible authority in accordance with § 5 of the Accident Prevention Regulation "Laser Radiation" (German DGUV Regulation 11 and 12). Notification is to be accompanied by a written order for the appointment of a laser safety officer for operation of the laser system and proof of appropriate liability insurance.

In addition, the exhibitor must prepare a **risk assessment for the demonstration and operation of the laser system** and submit it to NürnbergMesse in advance.

The requirements of the Occupational Safety Regulation on Artificial Optical Radiation 2006/25 EC/OStrV, **TROS Laser**, DIN EN 60825-1, DIN EN 12254 and in the **case of show lasers DIN 56912** must be met. For show laser systems, the indications of DGUV Information 203-036 and 203-037 must be additionally observed.

Class 3R, 3B or 4 devices/systems must generally be inspected on site by an officially appointed and sworn expert and declared safe before use. A copy of the inspection report is to be submitted to NürnbergMesse.

If changes are made to the laser system following inspection by the officially appointed and sworn expert, the operating permit becomes void. NürnbergMesse is then entitled to switch off the power supply to the stand or to confiscate and secure the laser system.

When adjusting and operating the laser equipment technical and organizational measures must be taken to ensure that no-one is exposed to laser radiation in excess of the maximum admissible radiation limits (MAR limits). The protective measures defined in the threat assessment prepared in advance must be implemented. A laser safety officer is to be provided and nominated in writing by the exhibitor. When demonstrating laser devices it must be ensured that no uncontrolled reflected radiation can occur and that the laser and/or projection area is not accessible to anyone.

The authority responsible for industrial safety is the Nuremberg Trade Inspectorate (see Instruction Sheet i4.10).

5.10.4 **LEDs**

The Exhibition Technology Department of NürnbergMesse must be notified by the specified deadline (see 4.2) of the operation of high-power or high-intensity LED systems, and/or spotlights in Risk Groups 2 and 3.

LED walls/video walls and their stability generally have to be inspected and approved by NürnbergMesse (see 4.2.1).

Suitable extinguishing equipment must be kept in readiness in the immediate vicinity of all LED systems. The operation of high-intensity LED spotlights or LED walls must not cause an annoyance to other exhibitors. Please observe 4.7.7 in the case of presentations and musical reproduction.

5.11 **High-frequency equipment, radio installations, electromagnetic compatibility and harmonics**

The operation of high-frequency equipment and radio systems must be reported to the Federal Network Agency in accordance with the **Telecommunications Act** and approved by NürnbergMesse. The frequency ranges and transmission power must be notified to achieve an even distribution of frequencies and prevent mutual interference as far as possible.

The operation of high-frequency equipment and radio systems is only permitted if they comply with the provisions of the Telecommunications Act (TKG) and the Electromagnetic Compatibility Act (German EMVG).

If exhibits are displayed or stand decorations used that involve electric, magnetic or electromagnetic fields, the provisions of the 26th Regulation on the Implementation of the Federal Immission Control Act (26 VImSchV), the DGUV Regulation 15, and the DGUV Rule 103-013 are to be observed.

Sources of strong magnetic fields must be notified to NürnbergMesse specifying the location on the respective stand.

The electrical installations of the exhibits and stands are to be designed to prevent unacceptably large interference with the network through harmonics in the exhibition center supply network (see Item 5.3.3).

Bundesnetzagentur
Außenstelle Nürnberg
Breslauer Straße 396, 90471 Nürnberg
T +49 9 11 9 80-40
F +49 9 11 9 80-41 80
poststelle@bnetza.de
www.bnetza.de

5.12 **Cranes, forklift trucks, empty containers**

The operation of exhibitors' own cranes and forklift trucks is not permitted. Only equipment supplied by the appointed ServicePartner may be used in the exhibition grounds.

The responsible ServicePartners exercise sole forwarding rights in the exhibition grounds, i.e. the delivery of exhibits, stand structures etc. to the stand, incl. provision of any auxiliary equipment and customs handling for temporary or permanent importation. Orders placed with the forwarding agents are subject to the current edition of the General German Forwarding Conditions (German ADSp) and the Forwarding Tariff for Trade Fairs and Exhibitions at NürnbergMesse.

Any liability of NürnbergMesse for all risks arising out of the work of the forwarding agents is excluded.

The storage of any kind of empty containers, full containers, or combustible materials of any kind (e.g. packaging, packaging materials, cases) on the stands, in the gangways or in free areas not approved as storage areas is prohibited. Empty containers are to be removed to the empties storage location by the forwarding agents approved for the exhibition grounds without delay.

Obstructing the fire brigade access roads, wall hydrants, fire doors and escape routes with filled/empty containers or waste is strictly prohibited (see Item 2.). NürnbergMesse reserves the right to have illegally deposited filled/empty containers removed by the approved forwarding agents at the cost of the exhibitor.

5.12.1 **Exhibiting heavy and bulky exhibits and machinery**

To ensure smooth transport of heavy and bulky items during the assembly and dismantling phase, timely consultation with the responsible forwarders (ServicePartner) is necessary.

If your **item being delivered measures more than 3.00 m x 2.50 m x 4.00 m or exceeds a total weight of 5.0 t**, you must notify the responsible ServicePartner of the forwarding company at least 28 days in advance.

If necessary the delivery must be made on the first day of assembly or in special cases during assembly that has been brought forward. This must be agreed in advance with NürnbergMesse.

When erecting the exhibits please observe the maximum admissible floor loads in the halls. To avoid excessive foundation pressure concentrated loads have to be distributed via load-distributing floor panels, so that the maximum admissible area loading is not exceeded. Supply ducts and covers must be covered with suitable floor panels to prevent loads on them.

If floor anchors are needed for the secure presentation of your exhibits, please note the requirements of 4.7.4.

5.12.2 **Exhibition and/or operation of cranes, lifting equipment, construction equipment and other equipment**

In general, all exhibits and devices are to be positioned in such a way that no extensions, booms or other movable components can protrude or swing out of the stand area. This also applies to the air space above the hall gangways and adjacent stands.

All work equipment or construction equipment must have been recently inspected in accordance with the German Occupational Health and Safety Regulations (Betr-SichV) and no unsecured **loads** may be lifted **above persons**. Additional information regarding loads above persons at events can be found in the DGUV Information 215-313 "Loads above persons".

In addition, technical or organizational measures must be taken to ensure that **no uncontrolled lowering of fixtures of the devices or loads** is possible in the event of failure of an hydraulic system or cable drive system. This can be done, for example, by blocking off the threat area or by using hose breakage protection or mechanical locking systems to support the hydraulic cylinder.

The equipment may only be operated by trained personnel of the exhibitor. The directives of DGUV Rule 100-500 "Operation of equipment" must be observed.

If the exhibited devices or equipment are equipped with an internal combustion engine or an alternative drive system (e.g. electric/hybrid drive, gas drive, fuel cells), the rules set out in Item 4.4.1.2 must be observed without exception.

In positioning the equipment, due consideration must be given to the maximum permission floor loading of the hall. Supply ducts and shaft covers must be covered over with appropriate base plates to avoid any loads on these spots.

The exhibitor is responsible and bears the burden of proof for stand safety and the safe operation of all exhibits.

In justified cases, NürnbergMesse reserves the right to have a capable person perform an on-site inspection at the exhibitor's expense.

5.13 **Musical reproduction**

According to the legal provisions (§ 15 Copyright Act, **German UrhG**), permission is required from the Society for Musical Performance and Mechanical Reproduction Rights (German GEMA) for any form of musical reproduction. Unregistered musical reproduction can lead to
claims for damages from GEMA under (§ 97 Copyright Act, **German UrhG**). Applications and inquiries are to be sent to:

GEMA
KundenCenter
11506 Berlin
T +49 3 05 88 58-9 99
kontakt@gema.de
www.gema.de

Acoustic and visual demonstrations also require approval by NürnbergMesse. Approval is granted on condition that the loudness at the edge of the stand during operation of the system does not exceed 70 dB(A) and the measures to prevent the risk of hearing loss of the audience according to DIN 15905 (Part 5) are observed. Furthermore, it must be demonstrated here that there is enough room for spectators on the stand surface. It must be ensured that the demonstrations/advertising measures do not cause any blockages, interference or congestion in the passageways. The demonstrations must not have any adverse impact on neighbouring stands and other exhibitors and any health hazard/risk of hearing loss for visitors or employees must be ruled out.

In the event of repeated failure to comply with these rules, the power supply to the exhibitor's stand can be interrupted without regard to the associated effects of the power failure. The exhibitor shall not be entitled to claim for direct or indirect damage caused by the interruption of the power supply. It is the responsibility of the exhibitor to provide evidence of compliance with the regulations.

5.14 **Beverage dispensing systems**

Beverage dispensing systems on the stand are to be installed and operated in accordance with the Operating Safety Regulations, DGUV Rule 100-007 and DIN 6650-6.

Compliance with technical and food hygiene requirements must be demonstrated by the exhibitor and may be checked by the Public Order Office. This results in a documentation obligation regarding the exhibitor's aforementioned duty of monitoring and care to ensure compliance with technical and food hygiene requirements of the entire system.

Furthermore, food hygiene regulation No. 852/2004 dated 29 April 2004 of the European Parliament and Council will apply.

Notice of the use of pressurized gas containers must be submitted to NürnbergMesse using Form P2 (see 5.7).

5.15 **Handling foods**

The serving of samples for immediate consumption and the sale of food and drinks on the stand must conform to the currently valid statutory regulations and the current standards, especially the Food Hygiene Regulations (**LMHV**; Directive (EU) No. 852/2004) and the Food Information Regulations (**LMIV**; Directive (EU) No. 1169/2011).

For further information please contact

Stadt Nürnberg
Ordnungsamt
Abteilung Lebensmittelüberwachung
Innerer Laufer Platz 3, 90403 Nürnberg
T +49 9 11 2 31-25 24
F +49 9 11 2 31-30 70
lebensmittelueberwachung@stadt.nuernberg.de
www.ordnungsamt.nuernberg.de

Over-the-counter sales of food and drinks (including bar sales) at the event itself are not permitted.

5.15.1 **Requirements to be met by stand/kitchen facilities**

The kitchen facilities absolutely must comply with the following requirements:

- Hand-washing facility with running hot and cold water with liquid soap and disposable hand towels must be provided.
- Crockery and glasses must be washed with running hot and cold water and/or a dishwasher is to be provided.
- Smear-resistant floor coverings, washable wall coverings and storage areas are to be provided in food preparation and storage areas.
- The floors in the work area must be non-slip, flat and impermeable to liquids.
- Effective spittle/sneeze guards must be installed in the food service area.
- Functioning cooling equipment for perishable food
- Install effective exhaust air systems or extractor hoods with active charcoal filters if vapors or odours can be expected when food is being prepared or kept warm.
- Provide suitable number of portable fire extinguishers (to EN3, foam extinguishers or extinguishers for cooking oils and fats).At least one cooking oil/fat fire extinguisher and fire blanket for each cooking area (fire classification F to DIN EN2).

5.15.2 **Cooking appliances and food preparation processes**

Cooking equipment (e.g. deep fat fryers, fryers, large frying pans etc.) may only be electric and must be operated under supervision in the halls following notification to NürnbergMesse.

At the end of each day of the event the appliances must be switched off at the mains. The mains switch must be clearly marked EMERGENCY OFF switch.

Cooking appliances and equipment must not be installed in traffic routes at the stand directly next to hall gangways. **A minimum distance of 1.5 m** is to be observed.

Deep fat fryers or similar equipment must not be used in the top storey of multi-storey stands. For fire safety reasons when using deep fat fryers a non-flammable canopy must be provided so that in the event of a hot grease fire there is no effect on the hall sprinkler system.

The maximum filling level is 40 l (filling level of adjacent appliances to be added up). If the maximum level is going to be exceeded this must be discussed with NürnbergMesse beforehand.

When using pressure cookers, hot air convection ovens or similar appliances using **steam**, such as combination steamers or convection ovens, a suitable air extractor and/or condensation hood must be provided above the appliance. Alternatively, appliances with integrated extraction systems may be used. In general it must be ensured that no hot steam, vapors or fumes can escape into the hall. In other respects the provisions of DGUV Regulations 110-002 are to be observed.

In covered areas of multi-storey stands fitted with a temporary sprinkler system, smoke or differential heat detectors, the use of the appliances described above must be agreed with NürnbergMesse beforehand (4.2). The costs associated with all false alarms caused by the handling of cooking appliances will be billed to the perpetrator.

5.15.3 **Grilling/barbecuing**
Grilling/barbecuing in the halls and outdoor area is allowed subject to the prior written permission of NürnbergMesse.
If written permission is given, only electric grills/barbecues may be used inside the halls and the vapors/smoke must be discharged outside using suitable exhaust systems.

6. Environmental protection
NürnbergMesse is committed to pro-active protection of the environment. As contractual partner of NürnbergMesse, the exhibitor is obliged to ensure that all binding regulations and standards concerning environmental protection are also observed by his contractors (e.g. stand builders).

6.1 **Waste management**
All the following rules are based on the currently valid requirements of the Recycling Management Act (German **KrWG**), the associated imple- mentation provisions and regulations, particularly including the Commercial Waste Regulations (German **GewAbfV**), the "state laws" and "local government by-laws".
The city of Nuremberg has issued a by-law on waste management which governs waste prevention and waste sorting and is binding on exhibitors and organizers.
The exhibitor is responsible for proper and environmentally compatible disposal of waste produced during assembly and dismantling and during the event by it or its contractors (e.g. stand builders, caterers, etc.). The exhibitor is the producer of this waste.
The technical handling of disposal for recycling and removal is solely incumbent on NürnbergMesse or its appointed ServicePartner.

6.1.1 **Waste disposal**
According to the principles of recycling management, waste should be primarily avoided during assembly and dismantling and during the event. Exhibitors and their contractual partners are obliged to effectively contribute to this in every phase of the event. This aim must be pursued by all concerned in the planning and coordination phases. This especially applies to packaging material, advertising material, carpets, disposable stand equipment, empty containers, pallets and disposable crockery.
As a general principle, reusable and environment-friendly materials are to be used where possible for stand construction and operation.
Every exhibitor is responsible for the proper and environment-compatible disposal of his own unavoidable waste.
The following waste disposal options are available to the exhibitor:

1. The exhibitor can make his own arrangements to dispose of the waste outside the exhibition grounds at his own cost.
2. Proper disposal of the waste at extra cost by the official ServicePartner of NürnbergMesse by placing an order using the Online ExhibitorShop (OES).

The disposal of waste in waste containers or in other facilities of the Nuremberg exhibition grounds is expressly prohibited.
Exhibitors are obliged to hand over their stand spaces in a clean condition at the end of the event. This particularly applies to materials left on the hall floor (e.g. remains of adhesive tape etc.). See **Item 4.7.4**. If a completed and signed order form is not received by the return deadline, NürnbergMesse assumes that the exhibitor will make his own arrangements for waste disposal. If waste and materials left behind are not or not completely disposed of in this case, NürnbergMesse will appoint the official ServicePartner to perform this work at the cost of the respective exhibitor. The amount of any waste remaining in the halls will be estimated in m^3 without checking the value and the exhibitor charged for its disposal at the higher official price.
The exhibitor shall also ensure that all waste is properly disposed of by the subcontractors, stand construction companies and other partners he has appointed for his stand. Please co-operate – think of the environment!

6.1.2 **Hazardous waste**
The exhibitor and exhibitor's contractual partners (e.g. stand builders) are obliged to notify NürnbergMesse of waste whose type, property or quantity is especially hazardous to health, air or water, explosive or combustible (e.g. batteries, coatings, solvents, lubricants, paints, etc.) and to arrange their proper disposal by the responsible ServicePartner.

6.1.3 **External waste**
Materials and waste not produced in connection with assembly and dismantling or the duration of the event are not to be brought into the exhibition grounds.

6.2 **Water, waste water, soil protection**

6.2.1 **Oil and grease separators**
The amounts discharged into the waste water network must not exceed the level of pollutants deemed normal for households.
If waste water containing oil or grease exceeding these levels is to be discharged, oil and grease separators must be used.
These must comply with generally accepted engineering practice.
If mobile catering units are used, fats and oils must be collected and disposed of separately.

6.2.2 **Cleaning, cleaning agents**
All cleaning work is to be done using biologically degradable products. If products classified as **hazardous substances** are used, Item 5.8 must be observed.
NürnbergMesse cleans the traffic areas and other areas unless they were made available to exhibitors or other third parties.
The exhibitor is responsible for cleaning the exhibition stand. Cleaning must be completed every day before the end of the exhibition or event.
The official ServicePartner of NürnbergMesse can be hired to clean the stand in the Online ExhibitorShop (OES).

6.3 **Environmental damage**
Environmental pollution/contamination (e.g. through petrol, oil, solvents, paint) is to be reported to NürnbergMesse without delay. NürnbergMesse will arrange for this to be removed properly at the cost of the perpetrator.