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1. Preface

Messe München GmbH – MMG – has issued guidelines for the fairs and other events it holds with the aim of providing all exhibitors/organisers with optimum conditions for presenting their exhibits and addressing their visitors and other interested parties.

The Technical Guidelines are a constituent part of the contracts MMG concludes with its exhibitors, organisers, service companies, stand-building companies and other service providers. These exhibitors, organisers, service companies and other service providers undertake to ensure that all their contractual partners, who are active or merely present at the trade fair centre, comply with these Technical Guidelines. MMG is entitled to demand that all persons active or merely present at the trade fair centre comply with the Technical Guidelines. As far as fairs, exhibitions and other events run by an organiser other than MMG are concerned, the given organiser is, alongside MMG, entitled and obliged to demand of his customers and their contractual partners that they comply with the Technical Guidelines.

In the interests of our exhibitors and visitors, these Technical Guidelines include safety regulations that are intended to ensure a high standard of safety where technical and stand construction considerations are concerned.

The regulations applicable to fire prevention, construction and other safety precautions have been agreed with the relevant offices of the Munich Department of Works in their function as the local authority responsible for construction and technical acceptance in respect of fairs and exhibitions.

MMG reserves the right to check compliance with these regulations and to take appropriate action should they be violated. The relevant statutory regulations applying at the given time must also be observed.

For safety and stand construction purposes, MMG is entitled to impose requirements above and beyond those stipulated in these Technical Guidelines.

The Order Forms for Exhibitor Services will be available in good time. The order forms are to be completed and returned in accordance with the deadlines set out in the Order Forms for Exhibitor Services. Depending on the fair or event concerned, orders can in some cases be placed electronically via the Internet-based online ordering system.

Orders only become valid if they are accepted. Acceptance may be given tacitly, i.e. by means of provision of the service ordered. Exhibitors are not entitled to acceptance of their orders unless the law gives rise to such an entitlement. Acceptance of an order can be refused, particularly in cases where the exhibitor/organiser concerned has not fulfilled his financial obligations vis-à-vis MMG, e.g. those outstanding from previous events. In addition, MMG reserves the right to charge a supplement on the stand fees in accordance with the details shown in the Order Forms for Exhibitor Services for any orders received after the deadline.

After stand space has been allocated, circulars will be sent to the exhibitors informing them of further details concerning the preparation and organisation of the fair.

These Technical Guidelines have been agreed by:

Deutsche Messe AG Hannover
Koelnmesse GmbH
Leipziger Messe GmbH
Messe Berlin GmbH
Messe Düsseldorf GmbH
Messe Frankfurt GmbH
Messe München GmbH
Messe Nürnberg GmbH

in order to formulate them with a common structure.

Moreover, MMG reserves the right to make any changes it deems necessary.

The German text is binding.

1.1. House rules

The trade fair centre is private property. The owner is Messe München GmbH – MMG –, Messegelände, 81823 München, Tel. +49 (0)89 949-01. MMG and the respective organiser exercise domiciliary rights.

The house and usage rules apply to all persons entering MMG's private grounds. The rules are clearly posted at the access points to the trade fair centre.

1.2. Opening hours

1.2.1. Stand construction and dismantling times

During the general stand construction and dismantling periods, work can be done in the halls and outdoor exhibition area between 7.30 am and 10 pm insofar as no other times have been specified for the given fair.

For general safety reasons, the halls and the exhibition grounds are closed outside these times. An extension to these times is only possible in exceptional circumstances and requires the written consent of MMG's Technical Exhibition Services Division.

1.2.2. Duration of the event

During the period of the actual event, the halls are opened one hour prior to the official opening time and closed one hour after the official closing time. MMG reserves the right to impose special arrangements in this respect. Exhibitors who need to work on their stands outside these times due to exceptional circumstances require the written consent of MMG's Technical Exhibition Services Division.

2. Traffic within the trade fair centre, emergency routes, safety equipment

2.1. Road traffic regulations

The driving of any vehicle within the trade fair centre is at the driver's own risk and only allowed with a special permit, valid entry authorisation or valid parking pass. During the event, the driving or parking of any vehicle within the trade fair centre is strictly prohibited. MMG can however make exceptions and issue appropriate parking or entry permits. MMG is entitled to raise a charge for the issue of parking or entry permits.

The parking or entry permit is to be placed behind the windscreen of the given vehicle so that it is clearly visible. The regulations arising from the use of parking or entry permits require strict compliance. Parking or entry permits are to be returned at any time at the request of the MMG staff deployed for traffic control purposes or of the security personnel. Parking and/or entry permits are only valid for the vehicle for which they have been issued.

MMG is entitled to ask for a deposit in return for entry into the trade fair centre and to limit the maximum length of stay. The deposit paid is forfeited if the maximum length of stay is exceeded. This ruling applies during the stand construction and dismantling periods as well as in cases where MMG has allowed the trade fair centre to be accessed during the period of the actual event.

The German Road Traffic Regulations apply throughout the entire trade fair centre and the exhibition car parks. A maximum speed limit of 20 km/h applies within the exhibition grounds. Inside the halls, vehicles may only be driven at walking pace; this ruling also applies to the rest of the trade fair centre during the period of the actual event.

Vehicles may only enter the halls for the purposes of loading and unloading. Care must be taken to ensure that no existing supply connections and other technical infrastructure items are damaged. The stipulated load-bearing capacity of the hall floors must be noted and complied with, as must the height and width of the gates. Engines should be switched off during loading and unloading. The parking of vehicles in the halls is strictly prohibited. MMG reserves the right to deny motorised access to the halls for reasons it considers justified. Pedestrians are to be given maximum consideration. No vehicles are allowed to access paths or green areas that have been cordoned off.

Mobile homes and caravans may not be brought on to the trade fair centre for accommodation purposes. Areas MMG designates as camping sites for a specific event are excluded from this ruling.

Vehicles are not allowed to stop under any circumstances throughout the entire trade fair centre except in those areas designated accordingly. MMG reserves the right to remove at the expense and risk of the person responsible, driver or owner any vehicles, trailers, containers, skips or full/empty packaging left in no-stopping zones or otherwise illegally parked.

Additionally, the provisions and access regulations set out in the forms for exhibitor services relevant to the given event ("Important Notes") apply, as do those stipulated in the "Exhibitors' Traffic Information" that is distributed in good time prior to the event.

Particularly for the purposes of ensuring the smooth flow of traffic during the stand set-up and dismantling periods as well as during the actual event, the measures implemented by MMG for traffic order and control purposes including instructions issued by any traffic control staff on site require strict compliance. MMG reserves the right to regulate above all the access of the exhibitors and/or their stand construction companies and other contractors to the individual stands.

In connection with fairs and exhibitions, it is advisable to make use of the full period allowed for stand construction as experience has shown the trade fair centre to be excessively full on the last two stand construction days. No claims may be asserted against MMG if delays are incurred by exhibitors, their stand construction companies or other contractors due to the trade fair centre being overcrowded or to measures implemented by MMG to control traffic within the trade fair centre and/or access to the stands.

2.2. Emergency routes

2.2.1. Fire service movement zones, fire hydrants

Access to fire service movement zones, emergency rescue routes and safety zones designated accordingly may not be restricted at any time. Particularly during the stand construction and dismantling periods, access may not be restricted by parked vehicles, stored exhibition goods, construction or packaging materials, etc. blocking the way.

Vehicles and objects parked on or blocking fire service movement zones, emergency rescue routes or safety zones can be removed at the expense of the person responsible. In so doing, MMG is only liable for such damage to property as is incurred due to wilful or gross negligent behaviour.

Hydrants in the halls and outdoor exhibition area may neither be obstructed nor made unrecognisable or inaccessible.

2.2.2. Emergency exits, escape hatches, hall aisles

All hall exits and aisles designated as such in the hall plans are to be kept clear over their full width. They serve as escape routes in emergencies and may therefore never be obstructed by objects left in the way or protruding. The doors along emergency exit routes must be easy to open from the inside and to their full extent. Exit doors, escape hatches and any signs indicating their position may not be obstructed, built over, blocked, covered or made unrecognisable in any other way. Information stands, tables and other furnishings may only be located near entrances, exits and access to stairways if sufficient room is left between them.

All hall aisles designated as such may not be obstructed or built over.

In the event of hall exits being located within a stand, the areas designated as such may not be obstructed.

2.3. Safety equipment

Sprinkler systems, fire alarms, fire extinguishing equipment, smoke detectors, closure devices for the hall entrances and other safety facilities, the signs indicating their position and the green emergency exit signs must be accessible and visible at all times; they may not be obstructed or blocked.

2.4. Stand numbering

All stands are equipped with number signs by the given organiser which may only be removed with the prior consent of the organiser.

2.5. Security

MMG and/or the security company commissioned by it to supervise the trade fair centre is/are responsible for security at the entrances and in the halls. MMG offers no guarantee that the trade fair centre will be secured and monitored continuously. MMG is authorised to implement any measures it deems necessary for securing and monitoring purposes.

The security of stands, the items on display and any other objects located on the stands is not the responsibility of MMG. Exhibitors are responsible for the security of their own stands and should organise it themselves as they see fit. However, only security guards from the company commissioned by MMG to secure the trade fair centre may be employed.

Exhibitors' attention is drawn explicitly to the fact that stand exhibits and other items on the stand are particularly at risk during the stand construction and dismantling periods. Items of value and/or those that can be easily removed should always be locked away at night.

2.6. Evacuation

MMG is entitled to order rooms, buildings halls and/or outdoor exhibition areas halls to be closed and evacuated for safety and above all regulatory compliance reasons.

3. Technical data and features of the halls and the outdoor exhibition area

3.1. Hall data

The halls offer the following gross exhibition areas:

A1-A6, B1-B6	approx.	11,000 m ²
C1-C4	approx.	10,000 m ²
B0	approx.	3,500 m ²

Hall entrance dimensions

The halls can all be accessed by vehicles (apart from Hall B0) and each has at least 6 entrances measuring 4.50 m x 4.50 m. Hall B0 has one entrance measuring 12.50 m x 4 m.

Heights of halls

None of the halls (apart from Hall B0 in the ICM and the northern front ends of Halls C1-4) have supporting pillars. They are all equipped with sprinkler systems.

The clearance height of the walls running along the length of the halls between the entrances measures approx. 5.70 m (in the case of the B6 high hall approx. 7.80 m).

The clearance height at the sides of the halls measures approx. 10.75 m (in the case of the B6 high hall approx. 15.25 m).

The hall height in central areas measures approx. 11.50 m (in the case of the B6 high hall approx. 16 m).

The height clearance of Hall B0 measures 4 m at the sides and 4.20 m in central areas. The height clearance of the northern front ends of Halls C1-4 measures approx. 4.50 m.

Suspension points are available in all halls. The maximum perpendicular load per suspension point is 100 kg (1 kN).

Load-bearing capacity of the hall floors

The hall floors are made of mastic asphalt. The maximum permissible load-bearing capacity of the floors in all halls is 5 t/m² (50 kN/m²). A total truck weight of up to 60 t (600 kN) is allowed. The maximum permissible fork-lift load is 14 t (140 kN). The maximum lump load on a floor area of 30 cm x 30 cm is 10 t (100 kN) – this does not apply however to utility duct covers.

Hall B0 has parquet flooring. The maximum permissible load-bearing capacity of the floor is 2 t/m² (20 kN/m²). The maximum lump load is 8 t/m² (80 kN/m²) – this does not apply however to utility duct covers.

3.1.1. Normal lighting, type of current, voltage

The normal lighting in the halls is provided by MMG. The normal artificial lighting in the halls during the actual fair is approx. 50 lux/m² measured 1 m above the floor.

Each hall is lit by daylight and artificial light.

Type of current and voltage available at the trade fair centre:

Mains type: TN-S System

230 volt (±10%)/50 Hz alternating current

3 x 400 volt (±10%)/50 Hz three-phase current

3.1.2. Supply of compressed air, electricity, gas and water

Compressed air, electricity, gas and water are supplied to the stands in the halls via the utility ducts located approx. every 5 m in the hall floor (approx. 4.5 m in the case of Halls C1-C4 and approx. 4.85 m in the case of Hall B0); no gas supply is available in Hall B0. The utility duct covers measure approx. 43 cm x 43 cm (the utility duct is approx. 35 cm wide).

Hall C1 is equipped with two further utility ducts running the length of the hall

Electricity supply 200 W/m²

Connection for water DN 25/min. 3.5 bar

Waste water DN 100

Connection for sprinklers 50 DN, available in every second duct

Connection for compressed air DN 50/min. 10 bar, available in every second duct

Connection for gas DN 25/20 mbar

3.1.3. Communications equipment

Stand telephone, fax, data and antenna connections are available via connection points located in the hall floor. RJ 45 is the connection system used or, in the case of fibre optic connections, E 2000.

3.1.4. Sprinkler systems

The halls are equipped with sprinkler systems. Every second utility duct is fitted with a main sprinkler connection via which the stands can be supplied.

(See Item 4.4.2 or 4.9.2 for information on sprinkler systems for covered stands)

3.1.5. Heating, ventilation

MMG provides for the general heating and ventilation of the halls.

All the halls are partially air-conditioned.

3.1.6. Faults

Any fault occurring in supply (in respect of e.g. electricity, water, compressed air, heating, ventilation, communications, etc.) must be reported immediately to the Technical Exhibition Services Division.

MMG is not liable for any damage occurring as a result of faults due to fluctuations in supply or a force majeure or if the supply is interrupted on the instructions of the Municipal Fire Service or of the suppliers of the service concerned (electricity, water, energy).

3.2. Outdoor exhibition area

Outdoor exhibition areas F5-F8 approx. 103,000 m².

Special outdoor exhibition areas F9-13 approx. 150,000 m².

Surface of exhibition area: seeded gravel bed (grassed-over gravel-humus mixture, stony in parts)

Road surface: asphalt

Width of access roads: 8 m or 12 m

Permissible load-bearing capacity: 50 t/m² (500 kN/m²) except for railway track area for which a lower load-bearing capacity applies. Details available from MMG's Technical Exhibition Services Division.

Stand electricity and water/waste water connections are available via connection points located in the ground.

Connection for water: DN 40/min. 3.5 bar

Waste water: max. DN 100

Electricity supply: 50 W/m²

Stand telephone, fax, data and antenna connections in the outdoor exhibition area are available via connection points located in the ground. RJ 45 is the connection system used or, in the case of fibre optic connections, E 2000.

3.3. Clearance heights

The clearance height of the entrances to the loading areas is approx. 5 m.

The East Connecting Tunnel has a clearance height of 4.30 m and the West Connecting Tunnel one of 4.50 m.

4. General stand construction regulations

4.1. Stand construction safety

Exhibition stands including equipment and exhibits as well as advertising hoardings must be securely erected such that they do not constitute a risk to public safety and order, above all in respect of human life and health.

The given exhibitor is responsible for the structural safety of the stand concerned and may be required to provide proof of same.

Messe München GmbH reserves the right to inspect stand structures, exhibits, advertising hoardings, etc. or have them inspected by an independent expert in terms of their stability and traffic safety to the extent that justified doubt exists as to their guaranteed stability and traffic safety even if the items concerned

have received prior approval.

Stand structures in the halls with a height in excess of 4.00 m must have sufficient stability to be able to withstand dynamic pressure of 0.125 kN/m² ("hall draught").

Stand structures in the outdoor exhibition area should be appropriately designed to withstand wind loads and, if applicable, snow loads. (See Item 4.6 for load assumptions for platforms and Item 4.9.3 for load assumptions for two-storey stands).

Stand structures cannot be supported by securing them to the hall roof. (See Item 4.7.5.2 for details of attaching objects to fixing points).

4.2. Stand construction approval

Insofar as the Technical Guidelines have been adhered to with regard to the design and construction of the stand, there is no need to submit drawings for the approval of single-storey stands, providing their floor space does not exceed 100 m² and they are not higher than 3.00 m.

If requested to do so, MMG is however prepared to check stand construction drawings (to be submitted in duplicate).

All other types of stand (above all those with floor space in excess of 100 m² or higher than 3.00 m, multi-storey stands (see Item 4.9), mobile stands) require approval, as do stands with bridges, stairs, cantilever roofs, galleries, sloping walls, etc.) and structures for outdoor exhibition areas (see Item 4.8.).

To the extent that more than 200 seats need to be arranged, the entire number of seats must be shown in a separate plan (seating plan scale 1:200) in triplicate, as should the total number of persons using the individual escape routes.

A copy of the plan approved for the given usage should be displayed in a clearly visible location near the main entrance to the assembly room concerned.

4.2.1. Stand structures subject to inspection and approval

All organisers, exhibitors, tenants, service partners or other service providers are obliged to check whether the temporary structures they are planning to build either in the halls or in the outdoor exhibition area require approval. If in doubt, you should contact MMG's Technical Exhibition Services Division.

Stand space in the halls

To-scale drawings for single-storey stands with floor space in excess of 100 m² or higher than 3.00 m must be submitted for approval to MMG's Technical Exhibition Services Division in duplicate (ground plan and elevation sketches to a scale of at least 1:100) by the deadline specified in the Order Forms for Exhibitor Services at the latest. To the extent that approval is granted, one copy is then returned to the exhibitor/stand-builder with MMG's stamp of approval. This means that the stand construction concerned has been approved.

Approval for two-storey stands must be applied for by submitting the "Application for Special Stand Designs" form to MMG's Technical Exhibition Services Division by the deadline specified in the Order Forms for Exhibitor Services at the latest. The form must be completed in German and submitted with the required number of copies to MMG together with the required documents that must also be in German. To the extent that approval is granted, the stand design is not deemed to have been approved before confirmation of approval has been issued to the exhibitor/stand-builder and the structural documentation returned to the exhibitor/stand-builder.

Stand space in the outdoor exhibition area

Single-storey stands with floor space in excess of 50 m² or higher than 5.00 m must be submitted for approval to MMG's Technical Exhibition Services Division in duplicate (ground plan and elevation sketches to a scale of at least 1:100) by the deadline specified in the Order Forms for Exhibitor Services at the latest. To the extent that approval is granted, one copy is then returned to the exhibitor/stand-builder with MMG's stamp of approval. This means that the stand construction concerned has been approved.

Approval for multi-storey stands, special constructions, rooms with seating for more than 30 persons, darkened rooms for slide/film shows must be applied for by submitting the "Application for Special Stand Designs" form to MMG's Technical Exhibition Services Division by the deadline specified in the Order Forms for Exhibitor Services at the latest. The form must be completed in German and submitted with the required number of copies to MMG together with the required documents that must also be in German.

To the extent that approval is granted, the stand design is not deemed to have been approved before confirmation of approval has been issued to the exhibitor/stand-builder and the structural documentation returned to the exhibitor/stand-builder.

The costs of the design approval process (see rear of "Application for Special Stand Designs" form) will be charged to the exhibitor.

4.2.2. Vehicles and containers

The use of vehicles and containers as exhibits in the halls requires approval (see also Items 4.4.1.2. and 4.4.2.).

Motorised/mobile exhibition stands (show trucks, buses, trailers, etc.) must be equipped with a sprinkler system if they constitute a single, uninterrupted area measuring more than 30m². Such areas as have cavities also constitute single, uninterrupted areas unless the cavities concerned are large enough for fire safety purposes.

4.2.3. Removal of non-compliant stand structures

Stand structures that have not been approved or do not comply with the Technical Guidelines or statutory regulations, must be altered as necessary or removed, at MMG's request.

If this is not done within the set period, MMG is entitled to carry out the alterations itself or, if necessary, remove the stand structures concerned at the expense of the exhibitor.

4.2.4. Extent of liability

To the extent that the exhibitor or the stand-builder he appoints does not comply with the above stand construction regulations, he is liable for any damage resulting from violation of these regulations.

Moreover, the exhibitor or the stand-builder he appoints agrees to exempt MMG from all claims by third parties that may be asserted due to violation of the above stand construction regulations.

4.3. Construction heights

The standard height for stand structures and advertising hoardings is 3.00 m.

The maximum construction height varies from event to event and is specified either in the Special Terms of Participation or Important Notes sections of the relevant Order Forms for Exhibitor Services. Contact the team responsible for technical organisation if in doubt.

The maximum height for stand structures set by MMG may only be exceeded with MMG's prior written approval.

Exhibits are not normally subject to this limitation, but should be reported to the Technical Exhibition Services Division prior to the event.

4.4. Fire prevention

4.4.1. Fire prevention and safety regulations

4.4.1.1. Stand construction and decorative materials

Readily flammable materials and such that drip, melt or give off toxic gases when burning may not be used. The use of plastics that cause heavy sooting when burning (e.g. polystyrene, rigid polyurethane foam, Styropor, etc.) is not allowed. Verification of the fire resistance of the material concerned when installed must be provided.

Decorative materials must be at least fire-resistant according to DIN 4102. MMG can only allow the retrospective rendering of decorative materials fire-resistant if this occurs with the approval of the Munich Municipal Fire Department, using a suitable and approved fireproofing agent and given compliance with the relevant processing instructions. MMG's consent can be made subject, above all, to the fire load to be taken account of.

Decorative materials with standard fire resistance may be used in certain areas if their location is sufficiently protected against fire. A test certificate confirming the classification of the materials used may need to be presented. Suspended stand decorations must be at least 2.50 m above the floor.

In individual cases and for safety purposes, special conditions may be imposed for load-bearing structural components (e.g. non-flammability). Stand floor coverings must be laid with sealed joints.

Cable binders may not be used for fastening structurally stressed parts.

Trees and plants may only be used for decorative purposes if they have been freshly cut (i.e. leaves or needles must be green and juicy). If during the event it becomes apparent that the trees and plants are drying out and thus becoming readily flammable, they must be removed. Trees should be free of branches up to about 50 cm above floor level. Turf should always be kept moist (risk of catching fire due to cigarettes, matches, etc.).

Bamboo, reeds, hay, straw, bark mulch, turf or similar materials do not generally comply with the above requirements and are therefore normally prohibited. Any exceptions to this ruling require the prior approval of MMG's Technical Exhibition Services Division.

As a rule, waste materials should be removed and disposed of immediately or collected in appropriate containers and then disposed of correctly.

4.4.1.2. Motor vehicles as exhibits

In the halls, motor vehicles may as a general rule neither be operated nor parked. An exception to this ruling, which must be applied for via the "Application for Preventive Fire Protection Measures" form, can be granted by the Munich Municipal Fire Department. Exhibitors have no entitlement to approval being granted exceptionally. Vehicles may only be displayed in the halls with the quantity of fuel required for accessing and leaving the given hall. The fuel tank must be locked.

Internal combustion engines may not be put into operation for demonstration purposes in the halls or within the exhibitor's own stand. They must be fitted with silencers for any demonstration in the outdoor exhibition area. Fuels may not be stored on the stand. See Item 5.7. for information in connection with gas-driven vehicles and / or vehicles with energy capture via fuel cells. Motorised/mobile exhibition stands (show trucks, buses, trailers, etc.) must be equipped with a sprinkler system if they constitute a single, uninterrupted area measuring more than 30m². Such areas as have cavities also constitute single, uninterrupted areas unless the cavities concerned are large enough for fire safety purposes.

In the case of motorised or mobile exhibition stands (show trucks, buses, semitrailers, trailers ...), a sprinkler system has to be installed for any single covered area exceeding 30 m² (see also Item 4.4.2.).

4.4.1.3. Explosive substances, ammunition

Explosive substances are subject to the provisions of the relevant Explosives Act and may not be displayed at fairs and exhibitions. This also applies to ammunition as defined under the Firearms Act.

4.4.1.4. Pyrotechnics

Pyrotechnical displays are subject to approval and must be coordinated with MMG. Approval can be obtained from the relevant safety authorities via the "Application for Preventive Fire Protection Measures" form. Exhibitors have no entitlement to approval being granted.

4.4.1.5. Use of balloons, airships and other flying objects

The use of balloons, airships and other flying objects is generally prohibited in the halls and outdoor exhibition area. Exceptions to this ruling require the prior written approval of MMG's Technical Exhibition Services Division. To the extent that approval is granted, the balloons and airships may only be filled with non-flammable, non-toxic gases. The balloons and airships must remain within the confines of the stand and not exceed the maximum height allowed for stands and advertising hoardings.

4.4.1.6. Smoke machines

The use of smoke machines has to be co-ordinated with MMG's Technical Exhibition Services Division.

4.4.1.7. Ash containers, ashtrays

To the extent that smoking is not explicitly prohibited on a stand or parts thereof, a sufficient quantity of ashtrays or ash containers made of non-flammable materials must be provided and arrangements made for their regular emptying into non-flammable, tightly closing containers.

4.4.1.8. Containers for non-recyclable, recyclable and residual waste

No containers for non-recyclable, recyclable and residual waste made of flammable materials are to be used on the stands. Any non-recyclable, recyclable and residual waste produced on the stands should be disposed of regularly, on the evening of each event day at the latest or put into the waste bags intended for this purpose and placed at the edge of the aisle-side of the stand. Readily flammable waste materials such as wood chippings, other bits of wood, sawdust and the like should be kept in sealed containers and disposed of on a daily basis or several times per day if large quantities are produced.

The bags that are distributed for non-recyclable, recyclable and residual waste are collected by the cleaning company on the evening of each event day.

See also Item 6 "Environmental Protection" and the Waste Disposal form in the Order Forms for Exhibitor Services for further information on waste disposal.

4.4.1.9. Spray guns, nitro-cellulose paints, detergents, solvents

The use of spray guns as well as of substances and paints containing solvents is prohibited.

4.4.1.10. Part-off grinding and all work with naked flames

Prior approval must be submitted in writing to and obtained from MMG's Technical Exhibition Services Division for any welding, cutting, soldering, melting and part-off grinding work. The surrounding area must be protected from flying sparks when work is under way. Any joints and cracks should be sealed with appropriate, non-flammable materials. Stands must be equipped with at least one DIN 14406 or EN3 fire-extinguisher suitable and approved for Fire Class C.

Naked flames and activities involving a risk of fire are as a general rule prohibited during the event. An exception to this ruling, which must be applied for via the "Application for Preventive Fire Protection Measures" form, can be granted by the Munich Municipal Fire Department. Exhibitors have no entitlement to approval being granted exceptionally.

4.4.1.11. Empty packaging

The storage of empty packaging of any kind (e.g. packaging and packing materials) in the halls (both on the stands and outside the stands) or in the loading yards is prohibited. Any such items should be removed as soon as they have become empty.

The storage of such items at the trade fair centre can occur via forwarding agents appointed by MMG. This service is not free of charge.

In the event of an exhibitor failing to remove items wrongfully stored despite having been asked to do so, MMG is entitled to have them removed at the expense and risk of the given exhibitor.

4.4.2. Stand coverings

The halls at the New Munich Trade Fair Centre are equipped with an automatic fire-extinguishing system, the effective operation of which may not be hindered by any stand coverings.

Irrespective of their size, stand coverings of any kind are subject to approval and must be registered in writing with Messe München GmbH's Technical Exhibition Services Division (see Application for Preventive Fire Protection Measures form in the Order Forms for Exhibitor Services).

Halls A1-6, BI-6, C1-4:

Stand coverings must generally be of a fire-resistant nature (B1 according to DIN 4102 or DIN EN 13501-1) – the relevant test certificate should be submitted or available for presentation on the stand. A sprinkler system has to be installed for any single covered area exceeding 30 m².

In such cases, one sprinkler unit must be installed for every 12 m² or part thereof of covered space; any rooms/cabins located beneath the stand cover must be encompassed by the sprinkler system.

Given the consent of the Munich Municipal Fire Department, sprinkler systems for stand coverings larger than 30 m² are not necessary if the coverings meet the following requirements:

- Metal modular or grid ceilings:

The covering concerned is a modular or metal-grid ceiling comprising open-mesh grating, perforated sheet metal or similar. At least 70% of the entire ceiling structure including lamp fittings, etc. must be open in accordance with the planning and installation guidelines laid down by the Association of Damage Insurers (VDS). The degree of openness of the given structure must be proven verifiably.

- Textile coverings:

The covering is fire-resistant and its horizontal installation below sprinkler units has been approved by the Association of Damage Insurers (VDS) (wide-mesh netting or fabric with integral thread fusing). VDS' written approval should be submitted to MMG's Technical Exhibition Services Division; compliance with the VDS installation instructions is required.

Hall B0 and the North, East, West and North-West Entrances:

Only such mesh/netting materials as have been approved by the VDS and are sprinkler-compatible may be used. In Hall B0, materials with a smoke-out safety feature are prohibited. Horizontal coverings in the entrance buildings may only be max. 1 m wide and must be approved by MMG's Technical Exhibition Services Division.

See the Notice on Sprinkler-Compatible Materials for further information on materials approved for stand coverings and the suppliers of such materials.

4.4.3. Glass and acrylic sheet

Only safety glass suited to the relevant purpose may be used. In the case of structures made of glass, only laminated safety glass may be used. Ask MMG's Technical Exhibition Services Division to send you our Notice on Stand Construction in Exhibition Halls using Glass and Acrylic Sheet* or use our download service via the Messe München homepage (www.messe-muenchen.de/Services/Ausstellerservices/downloads).

Edges of glass panes must be machined or protected in order to preclude any risk of injury. Components made of entirely of glass must be marked appropriately at eye level.

4.4.4. Rooms used by staff

Any separate rooms on the stand used by staff (offices, recreation rooms, meeting rooms) must have an adequately clear view of the nearest escape route (visual link).

Should there be no visual link from the staff rooms to the rest of the stand/escape route or only an inadequate one, suitable organisational and/or operating measures must be taken to guarantee the possibility of urgent evacuation in the case of emergency (smoke/fire).

Stand structures in the outdoor exhibition area with rooms used by staff that have no visual link to the rest of the stand or such that can only be accessed via another separate room (trapped rooms), must be equipped with an emergency exit hatch (window opening at least 60 x 100 cm, breast wall height max. 110 cm, without protective grating and openable from the inside without difficulty), leading directly out into the open air.

Alternatively, "trapped" rooms may only be separated from the main stand unit by glass walls so that the separate nature of the room is retained visually.

4.5. Exits, escape routes, doors

4.5.1. Exits, escape routes

Stands with a floor area exceeding 100 m², an escape route longer than 10 m or a stand designed such that the exit/escape route are not visible from all points on the stand must have at least two separate exits/escape routes to be located as far apart from each other as possible.

The stand should be designed in such a way as to avoid creating any poorly accessible rooms, corners or alcoves. All separate rooms used by staff (offices, recreation rooms, meeting rooms ...) within the given stand area must offer an adequately clear view of the nearest escape route and the path leading to same (see item 4.4.4.).

Rooms that are only accessible via another separate room (so-called trapped rooms) are prohibited.

If within a given stand the maximum length of an escape route to a hall aisle exceeds 10 m, the stand must be equipped with a second exit and/or an aisle at least 2.0 m wide leading to a hall aisle.

Escape routes should be marked as such in accordance with DIN 4844. The clearance width of escape routes and exits must measure at least 1.00 m.

4.5.2. Doors

The use on escape routes of swing doors, revolving doors, coded doors, sliding doors, lift doors or any other form of access barrier is prohibited.

4.6. Platforms, ladders, ascents, bridges

All general walkways immediately adjacent to areas that are more than 0.20 m lower must be protected

by a balustrade of at least 1.00 m in height and equipped with at least top, middle and lower cross-braces. Load-bearing capacity verification for platforms must be available for presentation. The floor must be able to withstand loads of at least 2.0 kN/m² as per DIN 1055 Part 3 Table 1 depending on the specific use made of it.

The maximum permitted height for single-step, open-access platforms is 0.20 m.

Ladders, ascents and bridges must comply with the relevant accident prevention regulations.

4.7. Stand design

4.7.1. Appearance

The design and equipping of a stand as well as any necessary construction work are the responsibility of the given exhibitor. In this connection, he must however take into account the character and appearance of the fair and/or exhibition concerned. To this end, MMG is entitled to demand changes to be made to the stand design. Moreover, MMG reserves the right to prescribe the framework structure required for a given event in its Special Terms of Participation. Products manufactured by way of the exploitative employment of child labour as defined under the provisions set out in ILO Convention 182 may not be used for the construction or equipping of the stand.

Stand walls bordering on visitor aisles must include glass panels, alcoves, displays, etc. to give them a more appealing look.

The exhibitor's name and location must be indicated on the stand in a clearly visible manner. The stand walls facing neighbouring stands should be kept neutral, white, clean and free of installation and materials above a height of 2.50 m.

When building the stand, it is advisable to give due consideration to its barrier-free nature such that stands and the facilities they offer are also accessible to and can be used by handicapped persons without assistance.

4.7.2. Checking stand size

The stand area is measured out on the hall floor by MMG and marked at the corners.

After stand space has been allocated, each exhibitor is obliged to check the location and size of any installations, in particular fire alarms, utility ducts, ventilation systems, etc. and, where necessary, instruct the stand-builder accordingly.

The boundaries of the stand area must be observed.

(See also Item 4.7.4. Hall floors)

4.7.3. Structural modifications to halls

Hall components and technical facilities may not be damaged, soiled or in any way changed (e.g. by drilling of holes, use of nails or screws, etc.). Nor may paint, wallpaper or adhesives be applied to them.

The hall components and technical facilities may not be subjected to any strain from stand constructions or exhibits for which they are not intended. Hall columns/supports within the stand area may, however, be integrated into the stand design providing they are not damaged and the maximum stand height is not exceeded.

Joints on hall walls, ceilings and floors may under no circumstances be damaged by caulking or foundation work or the like. No bolts or anchorages for stand structures may be fitted.

Securing exhibits via floor anchorages is only possible in exceptional, justified cases with the written consent of MMG's Technical Exhibition Services Division. To this end, the floor anchorages required should be registered in writing with MMG's Technical Exhibition Services Division two weeks prior to the commencement of the stand set-up period at the latest. To-scale plans with details of location, anchorage type, drill hole diameters and number of anchorages should be attached to the application. The number of anchorages should be kept to an absolute minimum. The exhibitor has no entitlement to the fitting and use of floor anchorages. Messe München GmbH reserves the right to prescribe the materials to be used for anchorages. In cases where non-approved materials are used and/or floor anchorages are fitted without MMG's consent, flat-rate repair charges of EUR 90 per drill hole plus VAT will be raised. Kindly contact MMG's Technical Exhibition Services Division for further information.

4.7.4. Hall floors

Carpets and other floor coverings must be laid with due regard to safety and may not protrude beyond the stand area.

Only adhesive tape that leaves no traces when removed may be used to fix such coverings. No other adhesive materials or paint may be used on the hall floors.

Any materials used must be removed without leaving any traces. Substances such as oil, grease, paint and the like must be removed from the floor immediately.

There are utility ducts running across the width of the halls at intervals of approx. 5 m (C halls approx. 4.5 m, B0 approx. 4.85 m). Hall C1 is equipped with two utility ducts running the length of the hall in addition to those running across its width.

Usage of the utility ducts is reserved exclusively for MMG's relevant service partners.

4.7.5. Suspending items from the hall ceiling

Items may only be suspended using the technical facilities intended for this purpose and in accordance with the provisions set out in the German ordinance BGV C1.

4.7.5.1. Provision of fixing points

The provision of supporting structures and fixing points for suspending items from the hall ceiling is the exclusive responsibility of MMG. Any changes to supporting structures may only be carried out by MMG. To this end, MMG will appoint specialist subcontractors to do the work required.

To the extent structurally feasible, the exhibitor will be provided with a fixing point at the desired position above the stand area. Plans should be attached to the order (service form in Order Forms for Exhibitor Services), clearly showing the desired positioning of the fixing points and height details.

Items to be suspended may only be located above and within the stand confines. Construction and advertising hoarding heights are to be taken into account. MMG will review the feasibility of the desired fixing points on the basis of the documents submitted. Each suspension point of the hall ceiling structure can withstand a maximum perpendicular load of 100 kg. The maximum area load is 5 kg/m². Suspension points for loads heavier than this only on request.

4.7.5.2. Attaching items to the fixing points

Items to be suspended from the fixing points ordered (lighting supports, spotlights, etc.) may only be fitted by the given exhibitor's own specialists or by specialist companies authorised to do so in compliance with relevant German and/or EU regulations and accepted technical practice.

With regard to the attachment and securing of items to be suspended, relevant safety regulations and in particular the German ordinances BGV A 1 (general requirements), BGV C 1 (venues and production sites for stage performances), BGV D 8 (hoisting, lifting and winching equipment) and, if applicable, VstättV (safety code governing places of assembly) must be observed. Cable connections for load-bearing purposes must comply with DIN 56-921-11; cable clamps may not be used.

Further information on approved fastening materials can be found in the Order Forms for Exhibitor Services (see Notice on Suspension Units and Means of Attachment) or use our download service via the

Messe München homepage (www.messe-muenchen.de/Services/Ausstellerservices/downloads).

For safety reasons, the following rules also require compliance. The following are prohibited:

- Suspending of stand components or exhibits
- Securing of stand components or exhibits (stand components and/or exhibits must stand securely in their own right)
- Suspending of items with a rigid and/or frictional connection to the hall floor.

Exceptions to these rulings require MMG's prior written authorisation.

The fitting and securing of items to be suspended as well as the provision and fixing of complete lighting systems, etc. can also be ordered from MMG.

4.7.6. Stand perimeter walls

Partition walls can be ordered via the Order Forms for Exhibitor Services.

The partition walls and supports may be neither modified nor processed by exhibitors. The exhibitor is liable for any damage to persons or property arising from non-compliance with this ruling.

4.7.7. Advertising materials/Presentations

Stand and exhibit inscriptions, logos and trademarks may not exceed the specified height. In the case of advertising materials bordering directly on a neighbouring stand, a distance of 2 m should be kept free to the perimeter of the stand concerned.

All types of performances and presentations as well as all forms of visual, moving or acoustic advertising require MMG's prior written approval. They may not disturb any other event participants, cause crowding that blocks the aisles nor drown out the public address system in the halls. The noise level at the stand perimeter may not exceed 70 dB(A).

Despite having given its prior approval, MMG is entitled to restrict or prohibit such performances as cause noise, visual disturbance, dirt, dust, vibrations or other emissions or, for other reasons, constitute a significant disturbance to the event or its participants.

Flashing, rotating or fast-moving advertising materials are prohibited, as is moving advertising on the stand perimeter.

The distribution of printed matter and the use of advertising materials is not permitted outside the boundaries of the exhibitor's own stand.

MMG reserves the right, however, to enforce further restrictions in specific cases. MMG is entitled to access stands to check that the above regulations are being observed.

MMG is also entitled at the risk and expense of the given exhibitor to remove, cover over or otherwise prevent advertising violating the above regulations.

If a fair, exhibition or other event is not organised by MMG but by another organiser, the organiser concerned is entitled to exercise MMG's rights described above.

4.8. Outdoor exhibition area

4.8.1. Checking stand size

The stand area is measured out on the ground of the outdoor exhibition area by MMG and marked at the corners.

After stand space has been allocated, each exhibitor is obliged to check the location and size of any installations, in particular supply lines, foundations, tracks, distribution boxes, etc. and, where necessary, instruct the stand-builder accordingly.

The boundaries of the stand area must be observed. The exhibitor must ensure that no items located in the area of the stand protrude beyond its confines. Exceptions to this ruling can be approved for revolving tower cranes by MMG's Technical Exhibition Services Division for safety reasons; it can make its exceptional approval dependent on all the exhibitors affected agreeing to the given revolving tower crane protruding on to their stands. In the event of an exhibitor refusing to agree to this, his refusal has no effect if safety concerns require the given revolving tower crane to protrude on to his stand.

4.8.2. Stand construction

All structures covering ground space of more than 50 m² or higher than 5.00 m and special constructions (e.g. advertising towers) to be erected in the outdoor exhibition area require the prior approval of MMG's Technical Exhibition Services Division and must be registered for approval with Messe München GmbH via the appropriate service form in the Order Forms for Exhibitor Services, which must be submitted together with the supporting documents mentioned therein at least 6 weeks prior to the commencement of the trade fair.

Precise ground plans must be submitted for written approval to MMG's Technical Exhibition Services Division for any anchorage required for tents, guy ropes and flagpoles as well as for any other earthworks in the outdoor exhibition area. All earthworks on the exhibition grounds are prohibited if no written approval has been granted. MMG's Technical Exhibition Services Division should be notified prior to the commencement of any earthworks on the exhibition grounds.

Compliance with all statutory requirements under public law is necessary in connection with the erection of facilities, particularly those of a structural nature. Moreover, the relevant safety regulations stipulated by the Technical Inspectorate must also be observed.

Due care must be given to existing supply lines, foundations, distribution boxes, etc. when performing any stand construction work. To the extent that they are located within the area of individual stands, they must be easily accessible at all times. No work can be carried out on railway tracks that have been laid in the outdoor exhibition area.

Stand structures may not be built closer than 0.5 m to the perimeter of neighbouring stands unless MMG's Technical Exhibition Services Division has exceptionally issued written approval to this effect.

A minimum distance of 10 m is required between stand structures measuring > 75m². The required space must as a general rule be kept clear (kindly contact MMG's Technical Exhibition Services Division in this respect as early as possible for matters relating to BAUMA).

Roads may not be obstructed by any structures or equipment at any time, not even during the set-up and dismantling periods. Their full width should be kept clear for fire department access purposes.

Each exhibition stand must be equipped with an appropriate number of fire extinguishers to DIN EN 3 or DIN 14406.

All necessary exits must be marked as such with signs in accordance with the Accident Prevention Regulation BGV A8.

4.8.3. Dismantling

All exhibition areas have to be returned to MMG in their original state by the specified dismantling deadline.

To this end, the space to be returned should be notified to MMG's Technical Exhibition Services Division for stand inspection purposes.

The sites in the outdoor exhibition area must be levelled and the areas loosened up by earthworks compacted with a machine. Asphalted and landscaped areas will be reinstated exclusively by MMG at the expense of the given exhibitor.

Due care must be given to existing supply lines, foundations, distribution boxes, etc. when performing any dismantling work. No work can be carried out on railway tracks that have been laid in the outdoor ex-

hibition area.

All installations such as foundations, props that have been rammed into the earth, supply lines, etc. must be removed by the specified dismantling deadline unless an arrangement to the contrary has been agreed with MMG and these installations are located at least 0.3 m below ground level. In such cases, plans detailing the exact location and size of the installations concerned must be submitted to MMG's Technical Exhibition Services Division without delay.

In the event of the due repair work not having been performed by the specified date, MMG is entitled to carry it out itself or have it carried out by a third party at the expense of the exhibitor concerned.

4.8.4. Other regulations

Exhibitors whose stands border on the edge of the trade fair centre grounds are not allowed to use the fencing for their own purposes. Use of the outside of the fencing for advertising purposes is prohibited. This also applies during the stand construction and dismantling periods.

Stand components, signs and flags must be fitted in such a way as to avoid unreasonably disturbing others, particularly other exhibitors and visitors. Misleading company signs must be removed if the exhibition management considers this necessary.

Exhibits higher than 30 m must be registered for approval with MMG's Technical Exhibition Services Division via the appropriate form in the Order Forms for Exhibitor Services 12 weeks prior to the commencement of the trade fair at the latest.

Revolving tower cranes, etc. must be appropriately secured in line with the relevant regulations. Suspended advertising hoardings or other loads (apart from flags) from cranes is prohibited for reasons of safety.

The use of liquid gas for heating purposes is prohibited. Suitable oil-fired heating can be used if approved by Munich Municipal Fire Department.

In other respects, the general regulations and those applying to the hall area are also valid for the outdoor exhibition area insofar as they can be meaningfully applied to them.

4.9. Two-storey stand construction

4.9.1. Application for planning permission

Two-storey exhibition stands can only be built in Halls A1-A6, B1-B6 and C1-C4 providing prior approval has been granted by Munich Municipal Fire Department, MMG's exhibition management responsible for the given project and the Technical Exhibition Services Division. Approval is also dependent on the required position in the hall and the floor space needed. An essential factor in the approval process is what effect the given two-storey stand will have on the design and transparency of the hall as well as on neighbouring stands.

Hall B0 (ICM) cannot accommodate two-storey structures.

4.9.2. Height of stand structures, conditions applying to covered stand areas, height of internal stand areas, minimum distances

The maximum stand height is set separately for each event and stipulated in the Terms of Participation and/or the Important Notes section of the Order Forms for Exhibitor Services.

The clearance height in internal areas of two-storey stands must be at least 2.40 m on both the lower and upper floors.

A sprinkler system needs to be installed in accordance with VDS regulations if the covered stand area exceeds 30 m², with one sprinkler unit to be installed for every 12 m² of covered space or part thereof. All rooms are to be encompassed by the sprinkler system.

The minimum distance for stairways, open cabins, terraces / catering areas to the edge of aisles is 1.00 m and to the perimeter of a neighbouring stand 3.00 m. If it is impossible to maintain the minimum distance to the neighbouring stand, some form of screening of at least 2.00 m in height is to be erected in the area concerned for privacy purposes.

4.9.3. Working loads/Load assumptions

The working load of the floor of the upper storey of a two-storey stand within an exhibition hall must comply with DIN 1055 Part 3, Table 1 as follows: If the storey is used for meetings and customer service purposes, i.e. it is furnished with tables and chairs in a free arrangement or in the form of meeting cabins, it must withstand a working load of 3.0 kN/m². Unlimited use as an exhibition or sales area, as an assembly room with or without rows of chairs, the floor of the upper storey must be able to withstand a working load of 5.0 kN/m². The respective use made of it must be marked clearly in the plans submitted for approval purposes.

Stairways must always be able to withstand working loads of 5.0 kN/m². Balustrades and banisters must be designed to withstand loads of 1 kN/m at handrail height. Proof must be provided that the pressure applied by the supports does not exceed the maximum permissible pressure the hall floor can withstand (see Item 3.1 Hall data).

4.9.4. Escape routes/Stairways

On two-storey stands with an area covered by the upper storey of up to 100 m², only one stairway is required. The stairway must emerge beyond the covered area of the stand. The length of any escape route from the upper floor to a main hall aisle on the ground floor may not exceed 25 m.

The stairway used for this purpose may not be of a spiral or helical type. The height of the riser may not exceed 0.19 m and the tread depth no less than 0.26 m.

Stairways require a minimum clear width of 1 m.

On stands with an upper storey area in excess of 100 m², at least two stairways are required to be located at opposite ends of the stand. One of the two stairways must emerge beyond the covered area of the stand.

In the case of multi-storey stand structures in the outdoor exhibition area, each main unit used on each storey must be equipped with two separate escape routes. An exit out into the open air may be no further than 35 m from any point on the stand.

Each storey must be equipped with at least one exit leading out into the open air designed such that it can be used without risk as an escape route (with its own stairway or outside staircase).

All stairways should be designed to comply with DIN 18065. No items may be stored or shelving installed in areas on or under stairways without risers.

Handrails must offer a secure grip and be of a continuous nature.

4.9.5. Building materials

On two-storey exhibition stands, load-bearing components, ground floor ceilings and upper storey floors must be made of at least fire-retardant (according to DIN 4102 or EN DIN 13501-1) building materials.

Floor coverings, wall panelling and ceilings can be made of such building materials as are allowed and normally used for stand-building purposes. Anchoring materials to the floors in the halls is not permitted. Two-storey stands are to be designed in such a way that they can be constructed, equipped and dismantled within the stand construction and dismantling periods set for the given event.

General statutory building regulations require compliance. We also reserve the right to impose further requirements in respect of safety and fire prevention until such time as acceptance of the given stand has been granted.

4.9.6. Upper storey

All rooms used by staff (offices, recreation rooms, meeting rooms, etc.) must offer an adequately clear view of the nearest escape route and the path leading to same (see item 4.4.4.).

The bottom of any balustrades must be fitted with skirting of at least 0.05 m in height as well as knee-high skirting, grid or solid panelling or similar to prevent persons from falling. To prevent objects (e.g. glasses) from being placed on balustrades where they can easily fall off, the handrails or the tops of the balustrades must be appropriately shaped e.g. circular or semi-circular.

Balustrades should be designed and constructed in compliance with Items 4.6. and 4.9.3.

No areas located on the upper floor may have a closed ceiling or canopy. Metal grids with openings measuring 1 cm x 1 cm are permitted. Inclusive of lighting units, the open area of the upper-storey ceiling must comprise at least 70% of the floor area.

4.10. Dismantling stands

By the end of the dismantling period set for a given event (see Special Terms of Participation and the Important Notes section of the Order Forms for Exhibitor Services), the exhibitor is obliged to completely clear the stand of all stand-building materials, exhibits and any other items and restore the stand area to its original state.

After the set dismantling period has elapsed, MMG is entitled but not obliged to have any items left on the stand removed and stored by an authorised forwarding agent at the expense and risk of the exhibitor and charge an appropriate handling fee for doing so. MMG is entitled to dispose at the exhibitor's expense of any exhibition-related material and all other items left on the stand after the set dismantling period has elapsed.

5. Operational safety, technical safety regulations, other technical requirements and supply systems

5.1. General regulations

Stand construction and dismantling work may only be carried out in accordance with the relevant statutory labour and industrial regulations valid at the given time.

5.1.1. Damage

Any damage caused by exhibitors or their agents within the trade fair centre, its buildings or facilities will be remedied by MMG at the expense of the exhibitor concerned at the end of the given event.

5.2. Use of machinery

The use of stud guns is prohibited.

The use of woodworking machines without chip exhausters is not permitted.

Only such cranes, fork-lift trucks and work platforms as are supplied by MMG's authorised service partners may be used. In special cases, the approval of MMG's Technical Exhibition Services Division must be sought.

5.3. Electrical installation

5.3.1. Connections

Electrical installations from the utility ducts to the stands may only be fitted by MMG and/or contractors appointed by it. The electrical installations to be exclusively fitted by MMG and/or contractors appointed by it include the main electrical connection and cabling, master fuse and, if applicable, the master switch/electricity meter. MMG's Technical Exhibition Services Division reserves the right to restrict the electrical connection to one basic connection per stand for reasons of safety. The use of generators on the stands is prohibited unless prior written approval has been obtained from MMG's Technical Exhibition Services Division.

Exhibitors are expressly forbidden to obtain electricity from neighbouring stands. Furthermore, exhibitors are not entitled to supply any third parties at the trade fair centre apart from his co-exhibitors with electricity. This applies particularly to neighbouring stands.

Furthermore, exhibitors are not entitled to supply any third parties at the trade fair centre apart from his co-exhibitors with such electricity as is supplied to him by MMG. This applies particularly to neighbouring stands.

A ground plan indicating the required position of the connections should be attached to the orders (form included in the Order Forms for Exhibitor Services).

The exhibitor is responsible for ensuring that the electrical installation is able to provide all items on the stand requiring electricity with sufficient power such that they can operate simultaneously, whereby the interconnecting of several main connections that are individually inadequate for the simultaneous operation of the items concerned is not allowed. Should MMG determine that the exhibitor is not complying with this requirement, MMG is entitled to upgrade the given electrical installation at the expense of the exhibitor without being asked to do so by same such that the above requirement is met.

Power supply lines will be laid in utility ducts wherever possible, but may under certain circumstances have to be run above ground if the location of the connection point makes this necessary.

MMG is entitled to run power lines and connections serving neighbouring stands across the exhibitor's stand unless MMG can provide the electrical connection to the neighbouring stands at the same or lower cost without laying supply lines and connections across the exhibitor's stand.

Should the exhibitor wish power lines to be laid across public aisles or third-party stands, MMG's prior approval must be sought. Any power lines laid in this respect must give due consideration to the safety of the public and exhibitors alike and are payable by the exhibitor concerned.

To the extent that power consumption is not payable on a flat-rate basis, it will be determined via the meter fitted and invoiced at the per-kWh prices shown in the Order Forms for Exhibitor Services.

For safety reasons, Messe München reserves the right to switch off the exhibitor's power supply after the event has finished.

5.3.2. Stand installation

Electrical installation work within the confines of the stand can be carried out by the exhibitor's own electrical fitters or approved electrical contractors in accordance with VDE (Association of German Electricians) regulations, EU requirements and accepted technical practice.

Electrical installation work within the confines of the stand can also be carried out by MMG and/or contractors appointed by it providing an appropriate order is submitted.

Any connections, machines or equipment that have not been authorised, do not comply with the relevant regulations or use more power than indicated in the application are prohibited. They can be removed from the stand and put in storage by MMG at the expense and risk of the exhibitor.

5.3.3. Installation and operating regulations

All electrical installations must be fitted in compliance with the latest safety regulations issued by the VDE (Association of German Electricians), whereby special attention should be given to VDE 0100, 0108 and 0128 and IEC Norm 60364-7-711.

The ratio of high or low-frequency interference transmitted to the mains may not exceed the levels specified in VDE 0160, VDE 0838 (EN 50 006) and EN 61 000-2-4.

Conductive components must be included in the precautions intended to prevent indirect contact (stand earthing).

The regulations set out in the "Electrical Installation on Exhibition Stands" section of the Order Forms for Exhibitor Services require full compliance.

All exhibition stand electrical installations will be inspected by an expert for compliance with the regulations effective at the given time for the Munich Trade Fair Centre. The inspection will be organised by MMG.

5.3.4. Safety precautions

As a special safety precaution, all heat-generating and heat-emitting electrical equipment (hot-plates, spotlights, transformers, etc.) must be installed on a non-flammable, asbestos-free base and monitored adequately during operation.

Depending on the amount of heat generated and/or emitted, adequate distance must be maintained between the equipment concerned and any flammable materials in the vicinity.

Lamps may not be attached to flammable decorations or the like.

5.3.5. Safety lighting

Stands whose specific design or structure render the given building's general safety lighting ineffective must be equipped with their own, additional safety lighting in accordance with VDE 0108. It must be installed in such a manner that the general escape routes can be accessed safely.

5.4. Installation of water/waste water facilities

All installations on stands must comply with the relevant drinking water regulations valid at the given time such that any reduction in the quality of drinking water due to the installation and operation of a water/waste water connection is ruled out.

5.4.1. Connections

Water/waste water facilities from the utility ducts to the stands may only be installed by MMG and/or a contractor appointed by it. The water/waste water installations encompass the main water connection (supply and drainage) with supply and drain pipes as well as a water meter if applicable. The exhibitor is not allowed to obtain water for his stand from such persons as have not been authorised to supply water by MMG. Exhibitors are expressly forbidden to obtain water from neighbouring stands. Furthermore, exhibitors are not entitled to supply any third parties at the trade fair centre apart from his co-exhibitors with such water as is supplied to him by MMG. This applies particularly to neighbouring stands.

Connection plans indicating the required position of the connections should be attached to the orders (form is included in the Order Forms for Exhibitor Services).

The exhibitor is responsible for ensuring that the water/waste water installation is able to cater for all items on the stand requiring water/waste water facilities such that they can all operate simultaneously. Should MMG determine that the water/waste water installation ordered by the exhibitor cannot guarantee the simultaneous operation of all items requiring such facilities, MMG is entitled to upgrade the water/waste water installation at the expense of the exhibitor without being asked to do so by same.

Water/Waste water piping in the halls will be laid in utility ducts wherever possible, but may under certain circumstances have to be run above ground if the location of the connection point makes this necessary. In the outdoor exhibition area, water/waste water facilities can generally be installed; the piping can be laid either along the ground or underneath it. In exceptional circumstances, the required location may be so unfavourable that the connection ordered cannot be installed or that, in doing so, additional costs may be incurred.

MMG is entitled to run water/waste water pipes and connections serving neighbouring stands across the exhibitor's stand unless MMG can provide the water/waste water connection to the neighbouring stands at the same or lower cost without laying pipes and connections across the exhibitor's stand.

Should the exhibitor wish piping to be laid across public aisles or third-party stands, MMG's prior approval must be sought. Any piping laid in this respect must give due consideration to the safety of the public and exhibitors alike and is payable by the exhibitor concerned.

To the extent that water consumption is not payable on a flat-rate basis, it will be determined via the meter fitted and invoiced at the per-m³ prices shown in the Order Forms for Exhibitor Services. As far as connections with a pipe diameter of 1/2" are concerned, the water consumption and basic charge are included in the price of the main water connection.

Waste water polluted with chemicals may not be fed into the sewage system (see also Item 6.2.1).

For safety reasons, Messe München reserves the right to cut off the exhibitors' water supply after the event has finished.

5.4.2. Stand installation

Plumbing facilities (water/waste water facilities) within the confines of the stand can be installed by the exhibitor's own plumbers or approved plumbing contractors in accordance with relevant German/EU requirements and accepted technical practice.

Plumbing work within the confines of the stand can also be carried out by MMG and/or contractors appointed by it providing an appropriate order is submitted.

To the extent that plumbing work including connecting up equipment requiring water supply and waste water drainage facilities e.g. sinks is not to be carried out by MMG and/or contractors appointed by it, the exhibitor has to notify MMG in good time prior to the commencement of the work concerned, but 14 days prior to the stand construction period at the latest, as to which plumbing contractors and/or plumbers will be carrying out the plumbing work. If MMG is not supplied with this information by the set time, MMG will connect up the equipment requiring water/waste water facilities and charge the exhibitor with the costs incurred based on the rates applying to the given event.

Any connections, machines or equipment that have not been authorised, do not comply with the relevant regulations or use more water than indicated in the application are prohibited. They can be removed from the stand and put in storage by MMG at the expense and risk of the exhibitor.

For safety reasons, dishwashers without a fitted drainage pump are not to be connected to the water mains if the drainage gradient is insufficient.

The connection of refrigerators/freezers with open refrigeration cycles should be registered with MMG's Technical Exhibition Services Division. The water consumed will be measured via meters and charged at the rates stipulated in the Order Forms for Exhibitor Services. MMG reserves the right to prohibit the use of refrigerators/freezers with open refrigeration cycles.

5.5. Installation of compressed-air facilities

5.5.1. Connections

The provision of exhibition stands with compressed air is possible in both the halls and the outdoor exhibition area. It generally occurs via a connection to a compressor station. MMG reserves the right to install a compressor for the supply of compressed air on the stand in cases where, for instance, little compressed air is required. The use of a compressor to be supplied by the exhibitor himself has to be notified to MMG's Technical Exhibition Services Division 4 weeks prior to commencement of the stand construction period of the given event at the latest. The exhibitor is not allowed to obtain compressed air for his stand from such persons as have not been authorised to supply compressed air by MMG. Exhibitors are expressly forbidden to obtain compressed air from neighbouring stands. Furthermore, exhibitors are not entitled to supply any third parties at the trade fair centre apart from his co-exhibitors with such compressed air as is supplied to him by MMG. This applies particularly to neighbouring stands.

Compressed-air facilities from MMG's own mains to the individual stands may only be installed by MMG and/or a contractor appointed by it. The compressed-air installations encompass the main compressed-air connection together with associated compressed-air supply lines.

The exhibitor is responsible for ensuring that the compressed-air installation is able to provide all items on the stand requiring compressed air with sufficient compressed air such that they can all operate simultaneously. Should MMG determine that the compressed-air installation ordered by the exhibitor cannot guarantee the simultaneous operation of all items requiring compressed air, MMG is entitled to upgrade the compressed-air installation at the expense of the exhibitor without being asked to do so by same.

Compressed-air supply lines will be laid in utility ducts wherever possible, but may under certain circumstances have to be run above ground if the location of the connection point makes this necessary.

MMG is entitled to run compressed-air supply lines and connections serving neighbouring stands across the exhibitor's stand unless MMG can provide the compressed-air connection to the neighbouring stands at the same or lower cost without laying supply lines and connections across the exhibitor's stand.

Should the exhibitor wish compressed-air supply lines to be laid across public aisles or third-party stands, MMG's prior approval must be sought. Any compressed-air supply lines laid in this respect must give due consideration to the safety of the public and exhibitors alike and are payable by the exhibitor concerned.

A ground plan indicating the required position of the connections should be attached to the orders (forms in Order Forms for Exhibitor Services).

For safety reasons, Messe München reserves the right to cut off the exhibitors' compressed-air supply after the event has finished.

5.5.2. Stand installation

Compressed-air installation work within the confines of the stand can be carried out by the exhibitor's own fitters or approved contractors in accordance with German/EU requirements and accepted technical practice.

Compressed-air installation work within the confines of the stand can also be carried out by MMG and/or contractors appointed by it providing an appropriate order is submitted.

To the extent that compressed-air installation work including connecting up equipment requiring compressed air (appliances with gas connections) is not to be carried out by MMG and/or contractors appointed by it, the exhibitor has to notify MMG in good time prior to the commencement of the work concerned, but 14 days prior to the commencement of the stand construction period at the latest, as to which contractors and/or fitters will be carrying out the compressed-air installation work. If MMG is not supplied with this information by the set time, MMG will connect up the equipment requiring compressed air and charge the exhibitor with the costs incurred based on the rates applying to the given event.

Any connections, machines or equipment that have not been authorised, do not comply with the relevant regulations or use more compressed air than indicated in the application are prohibited. They can be removed from the stand and put in storage by MMG at the expense and risk of the exhibitor.

5.5a. Gas installation

5.5a.1. Connections

Gas supply facilities from the utility ducts to the stands may only be installed by MMG and/or a contractor appointed by it. The gas installations encompass the main gas connection with supply lines and stopcock as well as a gas meter if applicable. The exhibitor is not allowed to obtain gas for his stand from such persons as have not been authorised to supply gas by MMG. Exhibitors are expressly forbidden to obtain gas from neighbouring stands. Furthermore, exhibitors are not entitled to supply any third parties at the trade fair centre apart from his co-exhibitors with such gas as is supplied to him by MMG. This applies particularly to neighbouring stands.

Connection plans indicating the required position of the connections should be attached to the orders (form is included in the Order Forms for Exhibitor Services or available from MMG's Technical Exhibition Services Division).

The exhibitor is responsible for ensuring that the gas installation is able to provide all items on the stand requiring gas with sufficient gas such that they can all operate simultaneously. Should MMG determine that the gas installation ordered by the exhibitor cannot guarantee the simultaneous operation of all items requiring such facilities, MMG is entitled to upgrade the gas installation at the expense of the exhibitor without being asked to do so by same.

Gas supply lines in the halls will be laid in utility ducts wherever possible, but may under certain circumstances have to be run above ground if the location of the connection point makes this necessary. In exceptional circumstances, the required location may be so unfavourable that the connection ordered cannot be installed or that, in doing so, additional costs may be incurred.

MMG is entitled to run gas supply lines and connections serving neighbouring stands across the exhibitor's stand unless MMG can provide the gas connection to the neighbouring stands at the same or lower cost without laying supply lines and connections across the exhibitor's stand.

Should the exhibitor wish supply lines to be laid across public aisles or third-party stands, MMG's prior approval must be sought. Any gas supply lines laid in this respect must give due consideration to the safety of the public and exhibitors alike and are payable by the exhibitor concerned.

To the extent that gas consumption is not payable on a flat-rate basis, it will be determined via the meter fitted and invoiced at the per-m³ prices shown in the Order Forms for Exhibitor Services.

For safety reasons, the gas supply will be cut off one hour after the end of the fair on the last day of the event.

The use of gas for lighting and/or heating purposes (e.g. radiation heaters) as a stand design element is prohibited. As a rule, exhibits are exempted from this requirement. All burners must be equipped with low-setting controls or automatic ignition devices.

The exhibitor assumes sole responsibility for compliance with the relevant safety regulations, above all those stipulated by DVVWG, TÜV (Technical Inspectorate), Munich Municipal Fire Department and Munich Municipal Works Department.

For safety reasons, Messe München reserves the right to cut off the exhibitors' gas supply after the event has finished.

5.5a.2. Stand installation

Gas installation work within the confines of the stand can be carried out by the exhibitor's own fitters or approved contractors in accordance with German/EU requirements and accepted technical practice.

Gas installation work within the confines of the stand can also be carried out by MMG and/or contractors appointed by it providing an appropriate order is submitted.

To the extent that gas installation work including connecting up equipment requiring gas (appliances with gas connections) is not to be carried out by MMG and/or contractors appointed by it, the exhibitor has to notify MMG in good time prior to the commencement of the work concerned, but 14 days prior to the commencement of the stand construction period at the latest, as to which contractors and/or fitters will be carrying out the gas installation work. If MMG is not supplied with this information by the set time, MMG will connect up the equipment requiring gas and charge the exhibitor with the costs incurred based on the rates applying to the given event.

Any connections, machines or equipment that have not been authorised, do not comply with the relevant regulations or use more gas than indicated in the application are prohibited. They can be removed from the stand and put in storage by MMG at the expense and risk of the exhibitor.

5.5b. Information and communications services

All fixed-line connections for information and communications services are provided exclusively by MMG.

Connection plans indicating the required position of the connections should be attached to the orders (form is included in the Order Forms for Exhibitor Services).

5.6. Machinery, pressure containers and exhaust systems

5.6.1. Machine noise

The operation of any noise-emitting machinery and/or devices requires MMG's prior written approval. It may not disturb any other event participants, cause crowding that blocks the aisles nor drown out the public address system in the halls. Noise-emitting machinery and/or devices may only be operated for short periods of time and only as long and often as the given demonstration requires. The noise level at the stand perimeter may not exceed 70 dB(A).

Despite having given its prior approval, MMG is entitled to restrict or prohibit such performances as cause noise, visual disturbance or, for other reasons, constitute a significant disturbance to the event or its participants.

If a fair, exhibition or other event is not organised by MMG but by another organiser, the organiser concerned is entitled to exercise MMG's rights described above.

5.6.2. Equipment Safety Code

The exhibitor undertakes to only display those machines, equipment and other products as comply above all with the Equipment Safety Code (GSG) and associated ordinances (GSGV), by means of which the relevant EU directives (e.g. Machinery Directive, Low-voltage Directive and PSA Directive) have been enforced.

All machines that are subject to the Machinery Directive must bear CE coding as well as be accompanied by an EU Conformity Declaration and/or a Manufacturer's Declaration together with the relevant operating instructions. Electric equipment that is subject to the Low-voltage Directive must bear CE coding. Personal protective equipment that is subject to the PSA Directive must bear CE coding and be accompanied by the manufacturer's information brochure.

The only exceptions to this are such exhibits as are intended solely for export to countries outside the territory of the European Economic Community (EEC).

The exhibitor authorises MMG with the approval of the relevant authorities to publicly declare on his behalf that the conformity evaluation procedures have not yet been concluded in connection with such exhibits as do not have the prescribed CE coding and that these exhibits do not yet comply with the formal and safety provisions of the relevant regulations and may not be sold or purchased in the countries of the EU and territory of the EEC until such time as they comply with these regulations.

At the request of the relevant authorities, the exhibitor must attach an "exhibition sign" to exhibits without the prescribed CE coding clearly indicating that the exhibits concerned do not comply with GSG (Equipment Safety Code) requirements and may not be purchased in countries of the territory of the EEC until such time as they comply with the relevant regulations.

Any precautions necessary for the protection of persons must be taken by stand personnel in connection with demonstration activities.

The stand personnel is also responsible for ensuring that no unauthorised switching processes occur whatsoever.

5.6.2.1. Safety devices

Machinery and equipment components may only be operated if all relevant safety devices are in place. The standard safety devices can be replaced by a secure covering made of organic glass or another suitable, transparent material.

Where equipment is not operated, the safety devices can be removed to give visitors a clearer view of the design and construction of the otherwise covered components.

The safety devices must then be clearly displayed next to the machine.

5.6.2.2. Test procedures

The exhibited technical equipment will be inspected for its accident prevention and safety characteristics by the relevant supervisory authority – the Factory Inspectorate – together where necessary with the relevant technical committees of the Employers' Liability Insurance Association and for its compliance with the relevant safety requirements. Exhibitors are advised to have their EU Conformity Declaration available on the stand for CE coding verification purposes. If in doubt, exhibitors should contact the relevant authorities in good time prior to commencement of the event.

5.6.2.3. Operating ban

Furthermore, MMG is entitled to prohibit the operation of machinery, equipment and other devices at any time MMG deems it to constitute a risk for persons and/or property.

5.6.3. Pressure containers

5.6.3.1. Acceptance certificates

Pressure containers may only be operated on the stand if the tests/acceptance inspections required by the Operating Safety Directive valid at the given time have been carried out on them. Any proof of testing (certificates and/or recordings) issued as a result should be kept on the stand near the pressure container concerned and presented at the request of the relevant supervisory authorities.

5.6.3.2. Testing

Certificates issued on the basis of the structural and water pressure test or comparable test for pressure containers of any type are not considered sufficient proof. If applied for in good time, 4 weeks prior to the commencement of the event at the latest, pressure containers subject to testing can be put through the acceptance test by the Technical Inspectorate up to one day prior to the commencement of the event providing the structural and water pressure test certificate is presented and a qualified fitter is present on the exhibition stand.

5.6.3.3. Hired equipment

If hired equipment is used on the stand, the above regulations apply accordingly. Above all, any proof of testing issued (5.6.3.1.) should be kept on the stand near the pressure container concerned and presented at the request of the relevant supervisory authorities.

5.6.3.4. Verification

The requisite acceptance certificates should be available on the stand for Factory Inspectorate verification purposes.

5.6.4. Exhaust gases and vapours

Vapours and gases which are emitted by exhibits and equipment and are flammable, toxic or merely unpleasant for event participants may not be released in the halls, but must be fed out into the open air via appropriate piping in accordance with the German Emissions Control Act valid at the given time.

5.6.5. Exhaust systems

Such vapours and gases as are flammable, toxic or merely unpleasant for event participants must be fed off via appropriate exhaust piping.

The ducting may only be installed by MMG or a contractor appointed by it. A ground plan indicating the required position of the ducting should be attached to the orders (form is included in the Order Forms for Exhibitor Services or available from MMG's Technical Exhibition Services Division).

5.7. Use of compressed gases, liquid gases and flammable liquids

As a general rule, the use of compressed gases, liquid gases and flammable liquids is prohibited. An exception to this ruling, which must be applied for via the "Application for Preventive Fire Protection Measures" form, can be granted by the Munich Municipal Fire Department. The requirement for approval being granted exceptionally is that the usage of compressed gases, liquid gases and flammable liquids applied for is necessary for the operation or demonstration of exhibits. Exhibitors have no entitlement to approval being granted exceptionally. Empty containers that have been used for storing compressed gases, liquid gases or flammable liquids may not be kept or stored on the stand or in the hall. Only empty cylinders are allowed for devices and equipment that are not operated for demonstration purposes and must be clearly labelled as such. Under no circumstances may full cylinders be stored in the halls.

5.7.1. Compressed gas

Compressed-gas cylinders must be protected against impact, falling over, unauthorised access and heat in accordance with the relevant accident prevention regulations. Compressed-gas cylinders should be stored in an upright position.

5.7.2. Liquid gas

Only under the condition that no electric or natural gas systems may be operated for the demonstration of exhibits may liquid gas systems be exceptionally approved given compliance with the following provisions:

- The location of the installation must be coordinated with Munich Municipal Fire Department.
- The maximum quantity of liquid gas that is permitted to be kept on the stand is 11 kg.
- The liquid gas cylinder is to be protected against unauthorised access and heat and kept in a fully sealed, appropriately marked sheet metal cabinet (yellow label with a black "G") with floor ventilation.
- Compliance with system, location and leakage requirements is to be verified and certified by an independent expert (German accident prevention regulation BGV D34).
- The pipes and cables of the liquid gas system are to be laid such that they are pullrelieved and protected against mechanical stress.
- Usage for heating and cooking purposes is prohibited.
- An officially approved fire extinguisher (PG 6 as per DIN 14406 or DIN EN3) is to be kept on the exhibition stand.
- Each item of gas-driven equipment must be fitted with a stopcock that is easily accessible at all times. The storage of liquid gas cylinders in the exhibition halls is prohibited.
- The German accident prevention regulations BGV D34 und TRG 280 must be observed.

5.7.3. Flammable liquids

Approval for the use of flammable liquids can only be granted in connection with the operation or demonstration of exhibits. See the "Application for Preventive Fire Protection Measures" form in the Order Forms for Exhibitor Services for further information.

Equipment operated or demonstrated with flammable liquids must be provided with non-flammable spill basins at all filling points as well as at all locations from which liquids can escape. As filling equipment with liquids is a particularly dangerous operation, maximum care and caution is required. Equipment that has reached operating temperature may not be filled with flammable liquids. Flammable liquids that have leaked out must be removed immediately from the basins and disposed of safely due to the potential risk of fire or explosion. Smoking is strictly prohibited at the place of use.

Appropriate signs must be provided. Only authorised persons may be allowed access. An officially approved fire extinguisher in accordance with DIN 14406 or DIN EN3 is to be kept on the exhibition stand.

5.8. Asbestos and other dangerous substances

The use of materials or products with an asbestos content or of any other dangerous substances is prohibited. The law for the protection against dangerous substances (Chemicals Act) valid at the given time in conjunction with the Chemicals Prohibition Directive valid at the given time and the Dangerous Substances Directive valid at the given time all apply in this connection.

5.9. Assembly rooms/Show areas

Presentations and acoustic advertising require MMG's prior approval and must occur in such a way as not to disturb any neighbouring exhibitors. The noise level at the stand perimeter may not exceed 70 dB(A). Despite having given its prior approval, MMG is entitled to restrict or prohibit such presentations as cause noise, visual disturbance or, for other reasons, constitute a significant risk or disturbance to the event or its participants. The regulations stipulated by the relevant authorities must be observed.

Naked flames, open fires and actions constituting a fire risk are prohibited. Any exceptions to this ruling require the approval of Munich Municipal Fire Department. Electric switching systems may not be accessible to visitors.

To the extent that more than 200 seats need to be arranged, the entire number of seats must be shown in a separate plan (seating plan scale 1:200) in triplicate, as should the total number of persons using the individual escape routes. A copy of the plan approved for the given usage should be displayed in a clearly visible location near the main entrance to the assembly room concerned.

Each assembly room must offer an adequately clear view of the nearest escape route and the path lead-

ing to it (visual link) - see item 4.4.4.

Messe München GmbH reserves the right to impose additional conditions should the need arise.

Exhibitors' particular attention is drawn to the Assembly Place Directive (VStättV) applying at the given time (with particular regard to the operating requirements in part 4 set out under paragraphs 31 to 43 as well as paragraph 10 section 1, paragraph 14 section 3 and paragraph 19 section 6).

The width of the emergency rescue routes in assembly rooms is to be calculated on the basis of the maximum number of persons using them in case of emergency.

The width clearance of each section of any given emergency rescue route must amount to at least 1.20 m per 200 persons. Graduated increases are only allowed in steps of 0.60 m. The required width of the given rescue routes must be verifiably calculated through to the circulation areas.

Exits in darkened rooms must be lit adequately (signs according to DIN 4844 or BGV A8). Curtains in the vicinity of the exits must open easily to the minimum exit width prescribed, end 10 cm above the floor and be extremely flame retardant. They are to be provided with a coloured marking along the vertical edges used for opening and closing. They may not be sealed (tied together or similar) during operating hours. Applications should be submitted via the "Application for Preventive Fire Protection Measures" form in the Order Forms for Exhibitor Services.

Assembly rooms must have at least two exits leading directly to the hall aisles. These exits should be located as far apart from each other as possible.

Seats arranged in rows must be fixed so they cannot be moved; any chairs arranged temporarily are to be firmly interconnected into rows. Seats must be at least 0.50 m wide. A width clearance of at least 0.40m must be provided between the rows of seats. Seats arranged in blocks may comprise no more than 30 rows. Aisles with a minimum width of 1.20 m must be provided behind and between the blocks. No more than ten seats may be arranged at the side of an aisle. The seating plan must show places for both sitting and standing. The path from a seat at a table to the nearest aisle may not exceed 10 m. The distance between the tables should not be less than 1.50 m. The places for wheelchair users are to be marked separately.

Doors located on escape and rescue routes in assembly rooms must open out in the direction of escape and may have no thresholds. During the time in which persons stay in assembly rooms, the doors of the respective escape and rescue routes must be able to be opened from inside easily and to their full width at all times. In the case of show areas as defined in the Assembly Place Directive (VStättV) valid at the given time, a person responsible for event systems or an event system specialist (pursuant to paragraphs 39 and 40 in the Assembly Place Directive) is to be notified by name to MMG's Technical Exhibition Services Division.

5.10. Radiation protection

5.10.1. Radioactive materials

The use of radioactive materials is only possible with a special permit and MMG's approval. The permit must be applied for via the appropriate authorities in accordance with the Radiation Protection Directive valid at the given time and submitted to MMG at least 6 weeks prior to commencement of the given event. Insofar as a permit has been issued, the exhibitor must prove that the intended use of radioactive materials at the trade fair centre is covered by the permit concerned.

See the Application for Preventive Fire Protection Measures form in the Order Forms for Exhibitor Services for further information.

5.10.2. X-ray equipment and spurious radiation equipment

The operation of X-ray and spurious radiation equipment requires a special permit and MMG's approval. The Directive on the Prevention of Damage by X-rays (RöV) valid at the given time must be observed. The operation of X-ray and spurious radiation equipment is subject to mandatory approval or notification pursuant to Sections 3,4,5 and 8 of the RöV. The relevant authority for Munich as the exhibition venue is the Munich State Factory Inspectorate to which the applications for approval or notification must be submitted. Notification must be submitted via the "Registration of Laser and X-Ray Equipment" form in the Order Forms for Exhibitor Services.

5.10.3. Laser equipment

The operation of laser equipment requires a special permit and MMG's approval. Notification of the operation of laser equipment is to be submitted to the relevant authority in accordance with BGV B 2 via the "Registration of Laser and X-Ray Equipment" form in the Order Forms for Exhibitor Services.

The operation of laser equipment will be checked by an independent inspector. The laser equipment may only be used if the conditions stipulated by the independent inspector are complied with.

5.10.4. High-frequency equipment, radio systems, electromagnetic fields

The operation of high-frequency equipment, radio systems and electromagnetic fields requires a special permit and MMG's approval.

The operation of high-frequency equipment and radio systems is only permitted if it complies with the provisions of the Telecommunication Installations Act and the Electromagnetic Compatibility of Equipment Act (EMVG) valid at the given time.

The use of paging systems, microport equipment, two-way radio intercom equipment and telecontrol equipment is subject to approval by the Telecommunications and Post Regulatory Authority. A copy of the approval documents issued by the Regulatory Authority is to be submitted to MMG in good time prior to the commencement of the given event.

Moreover, the operation of high-frequency equipment and radio systems is only permitted if a sufficiently large frequency gap is verifiably left between the frequencies/applications they use and those already in use at the trade fair centre. This verification must be submitted to MMG. Details regarding the frequencies/applications in use at the trade fair centre are available from MMG's Technical Exhibition Services Division.

5.11. Cranes, fork-lift trucks, exhibition goods, packaging, goods consignments

The forwarding agents under contract to MMG, hereinafter termed "official forwarding agents", exercise sole forwarding agent rights at the trade fair centre e.g. transportation of exhibits, stand structures, etc. to the stands incl. provision of any auxiliary equipment required as well as customs clearance for temporary or permanent importation purposes. Only official forwarding agents may be appointed to render forwarding agent services at the trade fair centre.

MMG assumes no liability whatsoever for any risks arising from the activities of the official forwarding agents. No empty goods or packaging of any kind may be stored on the stands.

The exhibitor is not entitled to designate MMG as the consignee for goods consignments (exhibition goods, stand-building materials, information material and the like) or any other consignments that are not meant for MMG but for the exhibitor or a third party. MMG is entitled but not obliged at the expense and risk of the given exhibitor and against reimbursement of all the costs incurred to accept and store such consignments or appoint an official forwarding agent to store them, above all in respect of exhibition goods and packaging. No claims can be asserted against MMG to the effect that it accepted such consignments without checking their condition and completeness, did not check the cargo and forwarding-agent invoices issued or did not store or keep the given goods correctly.

5.12. Musical reproduction

For all types of musical and audio-visual reproduction, subject to the provisions of the Copyright Act valid at the given time, permission is required from the German Performing Rights Society (GEMA). The application for GEMA approval can be submitted via the "GEMA/Usage of Music during Trade Fairs and Exhibitions" form in the Order Forms for Exhibitor Services.

Any non-approved musical reproductions may be subject to claims for damages being asserted by GEMA (Section 97 of Copyright Act).

5.13. Beverage dispensing systems

For the installation and operation of beverage dispensing systems on the stand, the relevant statutory legislation, above all the provisions of the Beverage Dispensing Systems Directive (TRSK) 400 No. 3.3.1 and No. 3.3.2 and the Operating Safety Directive (BetSichV) valid at the given time, must be observed.

Further information can be found in the "Registration of Beverage Dispensing Equipment/Notification of Intention to Serve Food and Beverages" form in the Order Forms for Exhibitor Services.

5.14. Food supervision

In connection with the distribution of food samples for immediate consumption and the on-site sale of food and beverages, the relevant statutory legislation, above all the provisions of the Food Hygiene Directive valid at the given time, must be observed.

As far as the commercial preparation or distribution of food is concerned, the exhibitor must observe the provisions of the Infection Prevention Act. It is up to the exhibitor to inform himself about all relevant regulations, including those stipulated by local safety authorities, and to observe them. Further information can be found in the "Registration of Beverage Dispensing Equipment/Notification of Intention to Serve Food and Beverages" form in the Order Forms for Exhibitor Services.

5.15. Disturbance due to exhibition goods

Exhibition goods that, by virtue of their appearance, smell, noise, vibration or similar characteristics, constitute a significant disturbance to the running of the given event, and above all put event participants or third-party objects at considerable risk or impinge upon them, are to be removed immediately at MMG's request. This obligation of the exhibitor concerned still applies even if he indicated such characteristics in his application and his application was approved. Should the exhibitor fail to meet his obligation by not immediately removing the exhibition goods causing the disturbance, MMG is entitled to remove the exhibition goods concerned at the expense and risk of the exhibitor or close down his stand without the exhibitor being entitled to claim damages from MMG or the relevant organiser. In such cases, MMG decides when the stand that has been closed down should be dismantled.

If a fair, exhibition or other event is not organised by MMG but by another organiser, the organiser concerned is entitled to exercise MMG's rights described above.

6. Environmental protection

MMG is committed to the protection of the environment.

The exhibitor undertakes to ensure that he and his sub-contractors fully comply with all environmental protection-related regulations and requirements.

At the trade fair centre, such materials and products as are characterised by their durability, repair friendliness and recyclability, as produce less waste or waste that is easier to dispose of and/or as are made of residual materials or waste should be used to the greatest possible extent.

No non-recyclable crockery should be used for catering purposes. Beverages should be served as far as possible in recyclable containers. Should however non-recyclable crockery be used in exceptional circumstances, it should only be made of such materials as rot in a neutral manner so that the ground water is not affected or as can be burnt in waste incinerators without producing residues harmful to the environment.

6.1. Waste management

All persons generating waste at the trade fair centre are responsible for the correct, environmentally friendly disposal of same. All such persons have the option of taking the waste they generate with them and correctly disposing of same outside the trade fair centre or of commissioning MMG and/or contractors appointed by MMG to dispose of the waste on their behalf. Each person generating waste is obliged to comply with the regulations required by law and the relevant authorities as well as with the following provisions. Should the given person generating waste be working directly or indirectly on behalf of an exhibitor, the latter is then deemed to be responsible for this person's behaviour too. If the person generating waste fails to comply with the regulations required by law or the relevant authorities or with the following provisions, MMG is entitled to assert claims against the person concerned as well as against the exhibitor on whose behalf the person generating waste is directly or indirectly working. In such cases, the person generating waste and the exhibitor are deemed to be jointly and severally liable.

6.1.1. Waste disposal

Exhibitors and the contractors they appoint are obliged to do their utmost to avoid generating waste in all phases of the given event including the stand set-up and dismantling periods. This aim must be incorporated in the planning work and co-ordinated with all those involved. Such materials as are recyclable and pollute the environment as little as possible should be used for stand-building purposes.

In accordance with City of Munich regulations, commercial waste may only be disposed of at municipal dumps and waste incineration plants if it has been separated into the various waste groups. Recyclable materials must therefore be handed in for recycling. Special waste is not accepted and must be disposed of via special companies. All waste generated at the trade fair centre must therefore be collected in separate containers from the outset or arduously separated into recyclable, incineratable and other waste groups after the event.

Paper and cardboard waste is to be disposed of in the waste paper container, glass waste in the waste glass container and other recyclable waste in the recyclable waste container.

As far as non-recyclable waste is concerned (apart from special waste and the other waste mentioned under Item 6.1.2.), insofar as it is left at the trade fair centre and the person generating it does not take it with him and dispose of it outside the trade fair centre, the person concerned must order containers for non-recyclable waste against payment of a fee or buy appropriate waste bags and put the non-recyclable waste into them or, in the case of loose quantities of waste, register these with MMG, the Hall Inspectorate or with the relevant contractor appointed by MMG. Further information can be found on the Waste Disposal form and the information sheets on display at the Hall Inspectorate offices.

Should the person generating waste fail to meet his payment obligations vis-à-vis MMG in respect of waste disposal, MMG is entitled to assert claims against the person concerned as well as against the given exhibitor, insofar as the person generating waste is working directly or indirectly on behalf of the exhibitor concerned. Both are deemed to be jointly and severally liable.

6.1.2. Waste requiring special supervision

Each person generating waste is obliged to notify MMG of any special waste or other waste that by virtue of its nature, characteristics or quantity constitutes a particular danger to public health or the environment or is explosive or combustible, and to have it disposed of correctly by an appropriate contractor appoint-

ed by MMG. The waste materials concerned are above all as follows:

Oils, detergents, spray cans with contents, impregnating agents, chemicals, salts, mercury (e.g. contained in switches and thermometers), emulsions, acids, lyes, paints, adhesives, waxes, solvents (such as petrol, spirit, tri acetone, paint thinner, glycerine), batteries, rechargeable batteries, electric circuits, fluorescent tubes, PVC leftovers (e.g. floor and wall tiles), television and radio sets, motors and refrigerators.

The same applies to the disposal of rubble, bulky waste items and carpeting.

A charge is raised for the disposal of such waste. Should the person generating waste not meet the payment obligations arising from the disposal of such waste, MMG is entitled to assert claims against the person concerned as well as against the given exhibitor, insofar as the person generating waste is working directly or indirectly on behalf of the exhibitor concerned. Both are deemed to be jointly and severally liable.

6.1.3. Waste brought to the trade fair centre

Such materials and waste as are not used or generated in connection with the given event in the stand construction or dismantling periods or its actual duration may not be brought to the trade fair centre.

6.2. Water, waste water, ground protection

6.2.1. Oil/Grease separators

Waste water fed into the sewers may not contain more pollutants than is usual for the waste water produced by private households.

Oil/Grease separators are required if such oily/greasy waste water as exceeds this level has to be fed into the sewers.

As far as mobile catering facilities are concerned, all waste grease and oil must be collected and disposed of separately.

Any exhibitors preparing, processing or demonstrating oily or greasy goods or operating a commercial dish-washer with a maximum duty cycle of 2 minutes on their stands, must drain off any waste water generated via grease separators.

The service form for ordering the installation of a grease trap can be requested from MMG's Technical Exhibition Services Division.

6.2.2. Cleaning/Detergents

MMG organises the cleaning of the exhibition grounds and the aisles in the halls. The exhibitor is responsible for cleaning his stand, which must be carried out and completed every day prior to the commencement of the given fair or event. If the exhibitor does not have the cleaning work performed by his own personnel, he is only allowed to appoint MMG-licensed contractors for such purposes. Any non-MMG-licensed cleaning contractors will be asked to leave the exhibition area.

Only biologically degradable products may be used for cleaning work. Any liquids, substances or other materials as are absolutely essential for cleaning the stand and/or cleaning, operating and maintaining exhibits, should be used so professionally and correctly that no harm is caused to the environment. Residual materials including any aids (e.g. impregnated cleaning wool) used are to be correctly disposed of as special waste. Any detergents containing harmful solvents may only be used in exceptional circumstances in accordance with the relevant regulations.

6.3. Environmental damage

MMG must be notified immediately of any environmental damage/pollution (caused by e.g. petrol, oil, solvents, paint).

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Messe München GmbH