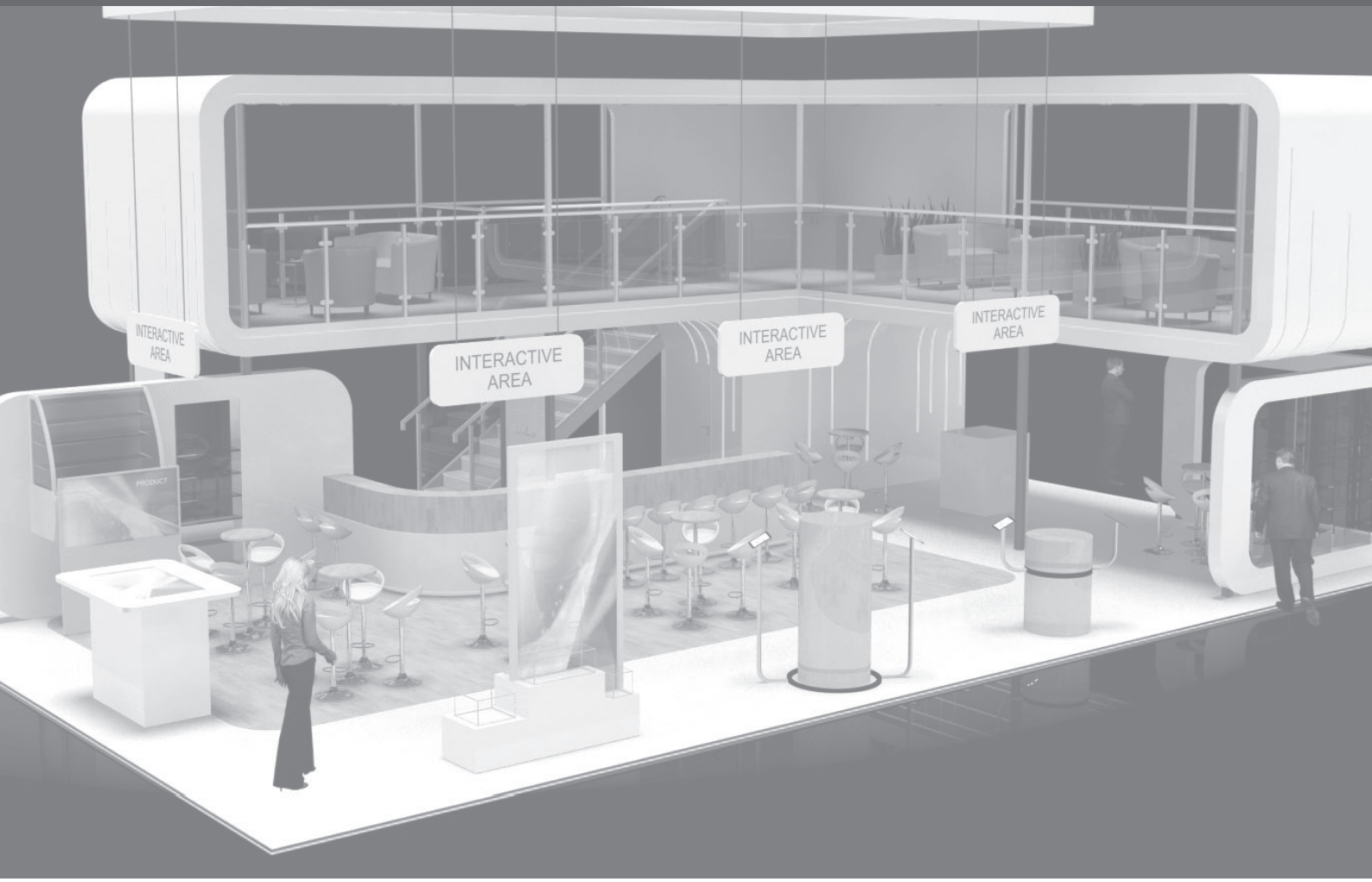
Two-storey stands
Special structures
Platforms and walk-on superstructures



2019

Application for construction permit

Guideline

Sprinkler system (order form)

Heat differential detectors (order form)

NÜRNBERG MESSE

Application for construction permit for two-storey stands special structures and walk-on superstructures 2019

NÜRNBERG MESSE **P1.1**

Event

Please return to
NürnbergMesse GmbH
Exhibition Technology Management
Messezentrum
90471 Nürnberg, Germany

veranstaltungstechnik@nuernbergmesse.de

Return deadline **Hall/Stand**

at the latest 6 weeks before start of assembly

Company

Person to contact

Street

Tel.

Postcode, town, country

Fax

Tel.

Invoice address (only if different)

Fax

E-mail

We apply for approval for the two-storey stand, special structures or walk-on superstructures indicated below:

Stand space _____ m²

Usable space on top floor _____ m²

Usable covered space on ground floor _____ m²

All plans, descriptions and calculations are to be submitted as originals and signed and dated by the author. This form is also to be signed by the exhibitor if no power of attorney exists.

The load-bearing construction
can be inspected for acceptance on _____

The fee for review and approval of two-storey stands is EUR 6.40/m² of covered stand space, but minimum EUR 920.
The fee for review and approval of special structures or walk-on superstructures is EUR 590.
The fee will increase by 100 % if the above-mentioned documents are not submitted in full or are submitted late (deadline is 6 weeks before start of assembly).
The stand rental for two-storey stand structures in exhibition halls (please see application form) is subject to a surcharge of 50 % for the covered stand space.

Compulsory registration, documents
Two-storey stands, special structures and walk-on superstructures (from 20 cm high) must be registered with the responsible exhibition team at NürnbergMesse prior to erection. The exhibitor must submit the following documents in digital form (PDF) together with the application for registration:

- ☐ Informal description of construction
- ☐ Dimensioned stand construction drawings (two-storey stand in conjunction with ground-level exhibition area) in a suitable scale e.g. 1:100 (floor plans, views, sections) and ceiling plan with dimensioning of closed ceiling surface(s)
- ☐ Stand safety test certificate (structural) incl. construction drawings
- ☐ Plan drawing with layout of sprinkler heads or heat differential detectors (only in halls 4A, 7A und 11)
- ☐ Order for sprinkler system or for heat differential detectors

The application will not be processed until receipt of the documents in full. If the documents are not received 4 weeks before start of assembly, the review and approval process cannot be guaranteed.

Water connection in two-storey stands
If a mains water connection is required at the upper floor a flat-rate of EUR 117 will be charged for the extra effort. Please order the mains water connection and additional equipment in our Online ExhibitorShop.

Exhibition construction company:

Company

Address

Person to contact Signature

Tel. Fax

Building engineer responsible for acceptance:

Company

Address

Person to contact Signature

Tel. Fax

Person responsible for stand design:

Company

Address

Person to contact Signature

Tel. Fax

Structural engineer:

Company

Address

Person to contact Signature

Tel. Fax

Unless otherwise indicated, all prices stated are subject to statutory VAT if the service is taxable in Germany.

Place and date

Company stamp and authorized signature

Guideline for two-storey stands, special structures and walk-on superstructures 2019

NÜRNBERG MESSE

1. General requirements
The exhibitor is responsible for compliance with the Bavarian building regulations, especially relating to stand safety and fire prevention, other legal regulations, the recognized rules of engineering and architecture and the technical guidelines stated below. In case of doubt, the exhibitor must request information from the responsible authorities.

2. Individual technical requirements
Two-storey stands, special structures and walk-on superstructures must comply with the following technical requirements:

2.1 **The permissible overall height of two-storey stands is 5.80 m in halls 1 – 9 and 11 – 12, and 5.30 m in hall 10.**
In halls 3A, 3C, 4A, 7A and 11 higher heights may be admissible on request.

2.2 **In hall 10, two-storey stands are only possible on the ground floor and in hall 11 only at level 0 (main hall).**

2.3 The vertical loads for the **ceiling between floors** of a two-storey exhibition stand within the exhibition hall must comply with DIN EN 1991-1-1/NA:2010-12 Table 6.1DE [Cat. C] as follows:
- For restricted use by show visitors or stand personnel for meetings and customer support, i.e. furnished with tables and chairs arranged randomly or divided into separate cubicles:
  q_k = 3.0 kN/m² (Cat C1)
- For unlimited use as freely accessible display and meeting area or sales area with or without closely spaced seats:
  q_k = 5.0 kN/m² (Cat. C3 and higher)

The respective usage must be clearly marked on the drawings submitted for approval.
Staircases and stair landings must always be designed for a load of **q_k = 5.0 kN/m²** (Cat. T2).
To achieve sufficient **longitudinal and lateral rigidity** in two-storey stands, walk-on superstructures or platforms a horizontal load of H = $\sum q_k/20$ (q_k = vertical load) is required at floor height.
For **balustrades and railings** a horizontal load (Cat. C) of **q_k = 1.0 kN/m** shall apply at capping or rail height (height minimum 1.1 m) in accordance with DIN EN 1991-1-1/NA:2010-12 Table 6.12 DE.

2.4 Other stand structures with a height exceeding 4 m must be loaded with a horizontal equivalent distributed load of 0.125 kN/m² to achieve sufficient protection against tilting and sliding. The load is to be applied to the vertical projected area of the stand structure. Deviations are possible in justified individual cases.
It must be verified that the admissible loads on the hall floor (e.g. due to single supports) are not exceeded (see Technical Regulations Info i4.1 Instruction Sheet Technical Data for Halls).
If necessary load-distributing floor panels have to be provided under the supports. Service shafts and covers must be protected by suitable floor panels to prevent loads on them.

2.5 The proof of stand structural stability must take into account that **floor anchors are not admissible in the hall floors**.

2.6 For fire safety reasons **a sprinkler system must be installed** by the responsible ServicePartner to protect the structure.
Individual rooms in the area covered by the stand must be equipped with separate sprinklers. This also applies to areas below the stairs.
The sprinkler system is only to be ordered via NürnbergMesse (using form P1.2).
The space covered by a stand in halls 4A, 7A and 11 must be equipped with automatic heat differential detectors, as sprinklers cannot be used because of the hall height. The heat differential detectors are only to be ordered via NünbergMesse (see enclosed form P1.3).
It may be possible to dispense with the requirement to install a sprinkler system or heat differential detectors in the case of **special structures** but this must be discussed and agreed on in advance.
Hollow areas below **platforms** more than 0.20 m high which have an automatic turntable or an accumulation of cables and/or electrical distributors or other fire risk must be monitored using VdS certified heat differential detectors. These must be ordered via NürnbergMesse using form P1.3).

2.7 In the case of two-storey stands and walk-on superstructures the load-bearing parts must as a minimum requirement be made from not readily flammable materials (to DIN 4102 or EN 13501-1) or flame retardant structural components. The ceilings of the bottom storey and the floors of the top storey must be made **at least of not readily flammable materials (to DIN 4102 B1)**.

2.8 **The walking distance** to the next hall gangway (essential escape route) **from any point on the stand space** must not exceed 20 m. The maximum walking distances must be shown in the drawings (stand construction drawings) and the distances specified. This also applies to the top floor of the stand. Emergency exits and escape routes must be marked. Escape routes through functional rooms (e.g. kitchen, storeroom) are not permitted.
Stands covering an area of more than 100 m² must have at least two **staircases** at opposite ends. Staircases must have a minimum width of 1.20 m (clear width) and a tread depth of 0.26 m (clear width) without overlap and must comply with DIN 18065. The rise may be maximum 0.19 m. Staircases more than 2.40 m wide must have centre handrails. Necessary stairs and stairs for visitors must have closed step treads. The headroom must be minimum 2.00 m.
Railings must also be provided with fixed handrails with a firm grip and no open ends and have a minimum height of 1.10 m. They must consist of at least one capping rail (hand rail) and two intermediate rails. Handrails or cappings must be suitably designed to avoid the risk of objects being placed on them. If children are expected to be present in the area to be secured, the separation between the parts of the railings must not exceed 0.12 m in any direction. The fall protection function of outer walls in the upper floor must be ensured and verified in the structural calculations.
A continuous **skirting strip** (roll-off protection) with a minimum height of 5 cm must be fitted around the edge of the top floor.
Due to the design of two-storey exhibition stands, the general safety lighting in the hall may not work effectively in all areas of the stand in the event of a power failure. To ensure that people can find their way around these enclosed areas through to general traffic areas, you need to install your **own additional safety lighting** (see Technical Guidelines; Section 5.3.5) and consult NürnbergMesse beforehand (see Section 4.2).

2.9 Recesses for hall gangways, gates and doors must be provided in two-storey stands and they must remain accessible. This applies in particular to the designated **emergency exits**.

2.10 If **ceilings above the top storey** are closed design, the requirements of the **Technical Regulations "4.4.2 Stand Covering"** must be met. There must be a visual and acoustic connect (e.g. line of sight) to the hall from offices, meeting rooms, cubicles and other closed off rooms.

2.11 In addition to the fire extinguishers available on the ground floor, at least one fire extinguisher per stairway must be provided ready for use, secured from overturning and in a prominent position on the top storey. The fire extinguisher must be marked in accordance with ASR A1.3.

3. Required documents
Following documents are required for the inspection and approval of two-storey stands, special structures and walk-on superstructures (from 20 cm high) as a complete document in digital form (PDF):
– Application for building approval (see enclosed form P1.1)
– Informal description of construction with explanation of planned use of top storey area
– Stand drawings (two-storey stand in conjunction with ground-level exhibition area) in a suitable scale, e.g. 1:100 (floor plans, views, sections) and ceiling plan with dimensions of closed ceiling area(s)
– Stand safety test certificate (structural) incl. construction drawings
– Plan drawing showing the layout of sprinkler heads or of heat differential detectors (only in halls 4A, 7A and 11)
– Order for sprinkler system or for heat differential detectors (see enclosed forms P1.2 and P1.3)

The stand design will be approved, endorsed with the NürnbergMesse mark of approval and returned to the exhibitor after the above-mentioned documents have been checked. The stand design is only approved for assembly if it bears this mark of approval. The fee for review and approval of two-storey stands is EUR 6.40/m² of covered stand space, but minimum EUR 920. The fee for review and approval of special structures or walk-on superstructures is EUR 590. The fee increases according to outlay if the above mentioned documents are not submitted in full.

4. Liability; prohibited use
The exhibitor shall be liable in the event of contravention of the above-mentioned regulations and releases NürnbergMesse from any claims by third parties whatsoever arising out of such contraventions and from any related official requirements. NürnbergMesse is also entitled to prohibit the erection and/or use by the exhibitor.

Unless otherwise indicated, all prices stated are subject to statutory VAT if the service is taxable in Germany.

Sprinkler system 2019

NÜRNBERG MESSE **P1.2**

Event

Please return to
NürnbergMesse GmbH
Exhibition Technology Management
Messezentrum
90471 Nürnberg, Germany

veranstaltungstechnik@nuernbergmesse.de

Contractor
BSS Brandschutz Sichelstiel GmbH
Duisburger Straße 52
90451 Nürnberg, Germany
T +49 9 11 6 43 77 77-46
F +49 9 11 6 43 77 77-51
juergen.knebel@
brandschutz-sichelstiel.de

Return deadline
at the latest 6 weeks before start of assembly

Hall/Stand

Company

Person to contact

Street

Tel.

Postcode, town, country

Fax

Tel.

Invoice address (only if different)

Fax

E-mail

VAT ID number of exhibitor:

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Order

Installation of a sprinkler system **in halls 1 to 12**, with the exception of halls 4A, 7A and 11.

Please note that the water supply for your sprinkler system is provided from the ceiling, i.e. the sprinklers cannot be installed until the stage/frame has been installed.

Exception hall 3A: In this case the water is supplied from the hall floor!

Individual rooms in the area covered by the stand must have separate sprinklers. This means that **1 sprinkler head** with associated pipe network must be provided **per 10 m² covered by the stand**.

The area of the top floor or ceiling surface is _____ m².

☐ Qty. _____ basic connection to the existing sprinkler pipe network for max. 12 sprinkler heads including connection pipe to the stand.

☐ Qty. _____ sprinkler heads including all installation fittings and pipes.
The exact position and number of sprinkler heads is not specified until the stand drawing has been submitted.

This order is processed only after receipt of all approval and test documents and by not later than 4 weeks before the start of the exhibition.

Prices, delivery and payment terms

Basic connection	each	EUR 591.00
Sprinkler heads	each	EUR 490.50
1. – 6. sprinkler head		without discount
7. – 9. sprinkler head		2.5 % discount
10. – X. sprinkler head		5 % discount
Hourly rate		EUR 49.30

The hourly rate does not include surcharges for overtime, Sundays and public holidays. Other work according to material and time expended.

The stated prices have been calculated on the wage basis for a 40-hour week. The ServicePartner is entitled to levy a surcharge of 100 % on fixed prices and on work at the hourly rate for services not notified from 6 weeks before start of assembly or which cannot be commenced on this date due to incomplete or unclear order information.

Please note the "Guideline for two-storey stands". The ServicePartner reserves the right to settle accounts during the exhibition. The following credit cards will be accepted: MasterCard, American Express, VISA, Diners Club.

1. The stated fixed prices are not to be exceeded by the ServicePartner. **Upon order of the sprinkler system the exhibitor will receive an invoice from the ServicePartner covering the installation costs which has to be remitted by the assembly date. Invoices which are not remitted in time can be paid with an dereliction addition of 20 % in cash by the ServicePartner stand staff latest at the date of assembly.**
   The invoice must be checked without delay. Complaints concerning the extent of deliveries and services charged are to be lodged if possible before dismantling the stand to ensure that a proper check can be made.
2. This form is to be used for ordering a sprinkler system.
   The order together with the stand drawing must be submitted to NürnbergMesse by not later than the stated date.
3. The ServicePartner will levy the following surcharges on services not notified from 6 weeks before start of assembly or which cannot be commenced on this date due to incomplete or unclear order information:
   100 % for fixed-price services and for work at hourly rates.
   Exhibitors cancelling orders will be charged with the full costs incurred unless the ServicePartner is notified 3 days prior to the start of the exhibition.
4. Pipes, flexible hoses, shut-off valves and sprinkler heads including accessories are rented out by the ServicePartner and remain his property.
   The exhibitor is to ensure that the items used are fully available and undamaged at the end of the event for dismantling by the ServicePartner. Missing parts will be charged to exhibitors at the cost of replacement.
5. All connections and labour from the existing sprinkler pipe network to the stand and in the stand are only to be made by the ServicePartner.
6. Unauthorized alteration of existing sprinkler systems is prohibited and entitles the NürnbergMesse to close the stand.
   Following installation of the sprinkler system it must be commissioned so that the sprinklers are operational and provide protection during the assembly period. The shutoff valve of the infeed pipe must not be closed.
7. The ServicePartner is not liable for damage to property and injury to persons caused by pipes which are not his property.
8. The place of jurisdiction and fulfillment for both parties, including reminder proceedings, is Nürnberg.

Unless otherwise indicated, all prices stated are subject to statutory VAT if the service is taxable in Germany.

Place and date

Company stamp and authorized signature

Heat differential detectors 2019

NÜRNBERG MESSE **P1.3**

Event

Please return to
NürnbergMesse GmbH
Exhibition Technology Management
Messezentrum
90471 Nürnberg, Germany

veranstaltungstechnik@nuernbergmesse.de

Contractor
SPIE SAG GmbH
Service Partner Center
Messezentrum
90471 Nürnberg, Germany
T +49 9 11 81 88 18-0
F +49 9 11 81 88 18-19
sag-messe@spie.com

Return deadline
at the latest 6 weeks before start of assembly

Hall/Stand

Company

Person to contact

Street

Tel.

Postcode, town, country

Fax

Tel.

Invoice address (only if different)

Fax

E-mail

VAT ID number of exhibitor:

☐☐ ☐☐☐☐☐☐☐☐☐☐☐☐☐

Order

The unlimited availability of connections is not possible everywhere on the site. These wired heat differential detectors are generally used to monitor covered areas in halls 4A, 7A and 11. Any exceptions must be notified to NürnbergMesse (Technical Department) in advance.
To avoid unnecessary costs for the customer, orders must be received at an early stage.

Installation of heat differential detectors for space covered by a stand.

The space covered by stand is _____ m^2.
(At least 1 heat differential detector is required for each 10 m^2 of space covered by stand and each room.)

1.1 **Heat differential detector including all installation** _____ each **EUR 290.75**

The exact position and number of heat differential detectors cannot be specified until the stand drawing has been approved by the responsible channels.

1.2 **Connection to existing fire alarm control center** fixed charge **EUR 216.90**

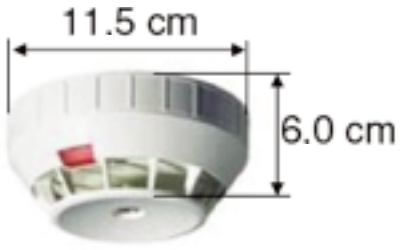
Orders must be received by the organizer in a complete and correct form by the return deadline set for the respective event. SPIE SAG GmbH is under no obligation to provide services for orders that do not meet these requirements. From 3 weeks prior to the event, orders or changes to existing orders – insofar as SPIE SAG GmbH can still process them – will be subject to a 25 % surcharge for fixed-price services or a 50 % surcharge for services based on the amount of time involved.

The services ordered must be paid without delay after receiving the invoices. Invoices may be issued before the start of the event.

Application
The wired heat detector is suitable for monitoring areas and facilities in which a rapid temperature rise can be expected in the event of fire. The design of the detector means it can be used inconspicuously in all applications.

Description
Detection reliability:

– The detector measures the ambient temperature and the temperature in the detector housing with a separate NTC thermistor for each. This enables a rapid temperature rise to be accurately evaluated differentially irrespective of the start temperature.
– The heat differential detector complies with EN 54/5 Class 1
– Permissible operating temperature or ambient temperature is - 25°C to + 50°C
– Relative humidity in % < = 95 %
– Maximum temperature trip at 60°C
– Reliable response with fast and slow temperature rise



Further info and the Special Conditions for Services of SPIE SAG GmbH for heat differential detectors are available for inspection on our Internet site at www.spie-servicepartner.de.

Unless otherwise indicated, all prices stated are subject to statutory VAT if the service is taxable in Germany.

Mit unserer rechtsverbindlichen Unterschrift erkennen wir die AGB der NürnbergMesse GmbH, sowie die AGB und besonderen Servicebedingungen der Firma SPIE SAG GmbH voll und umfassend an.

Place and date

Company stamp and authorized signature