各國展會手冊

2026

嵌入式世界北美展

Embedded World North America

美國 安那翰

Anaheim, USA

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展覽類型

以下五類展覽，各部門都先建立基本認識。所列月份為常見檔期。

通訊

- Interop Las Vegas 在美國拉斯維加斯舉辦，檔期約在每年 4 月底，對象是資訊科技社群。
- Interop Tokyo 在日本東京舉辦，檔期約在每年 6 月。
- MWC（世界移動通訊大會）在西班牙巴塞隆納舉辦，每年 3 月，展期 4 天。

消費性電子

- CES 在美國拉斯維加斯舉辦，每年 1 月，為全球最大科技展。
- IFA 在德國柏林舉辦，每年 9 月，展期 6 天。
- GITEX 在杜拜舉辦，每年 10 月，展期 5 天。

電腦科技

- Embedded World 為嵌入式電子與工業電腦應用展，在德國紐倫堡舉辦。
- ESEC 在日本東京舉辦，每年 3 月。
- Computex 為台北國際電腦展，在台北舉辦，每年 6 月，是台灣年度最大展覽。

安全

- ISC 在德國法蘭克福舉辦，每年 7 月。
- APCO 在美國紐奧良舉辦，每年 8 月。
- DSEI 為國際防務與安全裝備展，在英國倫敦舉辦，每年 9 月，展期 4 天。

戶外與運動

- Outdoor 為戶外用品展，在德國腓特烈港舉辦，每年 8 月。
- Outdoor Retailer Summer 在美國丹佛舉辦，每年 6 月。
- 台北國際自行車展在台北舉辦，每年 3 月。
- Eurobike 為歐洲自行車展，在德國腓特烈港舉辦，每年 8 月。

- Interbike 為美國國際自行車展，在雷諾舉辦，每年 9 月。

空間專案部

攤位類型

1. 空攤（Space only）為本公司承作範圍。台灣以 3m×3m 為一單位，美國以 10 英尺×10 英尺為一單位。裝潢另行發包。
2. 標準攤（Shell Scheme）已含大會基本裝潢。客戶若已向大會承租，須先辦理退租，否則不予承接。報價範圍與空攤不同。
3. 國家館、公會組團（Pavilion）為國家形象館、公會團體攤位，非一般單一參展商攤位。

報價與簽約前確認

1. 確認攤位價格、位置。位置會影響施工時間。
2. 進場時間若為加班，電工費用為兩倍。
3. 水電、網路、保全、清潔、運輸向大會申請。傢俱、電氣可向大會租用。費用計入報價。
4. 查該展申請截止日：攤位租賃、會議室、電力及網路、二樓及挑高。逾期會影響進案通知、報價單及合約。
5. 查該展逾期罰款及電力加價。報價預留緩衝。
6. 簽約前向客戶說明攤位保證金、公眾意外責任險。
7. 依搭建、進場、開展、撤展時間，安排與客戶確認的時程。

規範

1. 攤位不得轉租、分租。
2. 舉辦活動須另行申請，並繳納保證金。客戶有此需求時，費用計入報價。

舉例

1. 計費案例：以 3m×3m 的 raw space 作為一個標準攤位單位，並含 500W、110V 的基礎電力。

2. 攤位租賃、會議室、電力與網路、二樓及挑高攤位，各有申請截止日。案例中的截止日大多落在 4 月 30 日、5 月 7 日、5 月 13 日，逾期會影響進案通知，以及報價單、合約的時程。

3. 二樓或挑高攤位若逾期才申請，案例中的罰款為新臺幣 100,000 元。電力若逾期申請，加價幅度為 20% 至 50%。這兩筆在報價時預留緩衝。

現場工務部

作業

只施作空攤。標準攤已有大會結構，不在其上加作。

進場前確認

1. 確認搭建、拆卸的進退場時段，以及超出時段時的超時申請方式。
2. 進場時間若為加班，電工費用為兩倍。
3. 確認大貨車的限高、限重、卸貨口尺寸，以及各樓層載重上限、電動堆高機限重。

規範

1. 禁用柴油堆高機、發電機。
2. 攤位高度上限 4m。4～6m 須另行申請，並附結構技師簽證。
3. 二樓、複層須承租至少 4 個標準攤位。二樓地板高度不得超過 2.5m，總高不得超過 4m。樓地板承重至少 200kg/m²，樓梯承重至少 300kg/m²。須附建築師、結構技師簽證及計算書，並辦理保險。
4. 背板、招牌跨距超過 9m，須加側撐。樑柱高度超過 6m，須加支撐。
5. 天花板及消防灑水頭附近不得懸吊。施工不得妨礙消防設備、電箱及水電孔。
6. 地毯、布幔、看板須使用防焰材料，並標示合格標籤。每 50m² 配置一具滅火器。挑高、封頂另計。
7. 進場施工人員須持有 TAITRA 展場施工安全許可，或臺灣職業安全衛生卡。
8. 水電由合格包商施作並報備，並完成三級用電安全自主檢查。分離式冷氣不得安裝，如需裝設應另行申請。
9. 發生死亡、3 人以上受傷或需住院之事故，須於 8 小時內通報勞檢機構，現場不得任意變動。

舉例

1. 搭建或拆卸若超出大會訂定的進退場時段，須另辦超時申請。案例中的逾時費用為每小時新臺幣 68,400 元。

2. 樓層載重上限要依樓層分別確認。案例中，一樓與四樓的載重上限不同，不能用同一組數字進場。

水電、網路、保全、清潔、運輸向大會申請。同空間專案部。

3D 設計部

規範

1. 一般攤位高度上限 4m。超過須申請挑高，最高 6m。
2. 二樓攤位總高上限 4m。三樓以上 6.5m，且須採用鋼構。二樓地板高度不得超過 2.5m。
3. 面向走道的實牆，長度不得超過攤位長度的 50%。全封閉牆長不得超過 9m。
4. 柱面裝飾牆高度不得超過 4m，並預留消防栓、灑水頭、電箱、接地板開口。柱體周邊不得懸掛物品。
5. 電視牆、大螢幕高度未滿 2.5m 者，須離攤位基線至少 1m，或呈 30 度。高度 2.5～4m 者，退縮至少 2m，並加裝側向支撐。
6. 背板、招牌跨距超過 9m，須加側撐。樑柱高度超過 6m，須加支撐。
7. 二樓結構須有側向支撐，以抵抗地震及水平力。鋼構桁架底部墊鋼板，並以至少 4 顆螺絲鎖固。
8. 二樓、挑高、大跨距之完稿，須能輸出立面圖及剖面圖，比例尺至少 1:50，並含載重計算。建模時保留樑柱位置及跨距。
9. 小型氣球高度上限 4m，廣告氣球 7m。設計含大型充氣物或舞台吊掛時，於 3D 階段確認高度及位置。

看圖

讀取平面圖時，確認出入口、通道及參觀動線。

2D 設計部

規範

1. 攤位高度超過 2.5m 時，外牆背面、側面（面向其他攤位或走道）不得出現公司名稱、Logo、產品品牌，僅得做美化。KV 及大圖依此範圍配置。
2. 一般隔間牆不得超過 250cm。廣告招牌、旗幟、裝飾可至 400cm。超過 250cm 且四面可視之招牌，背面須做美化。
3. 柱子不得張貼海報、廣告，亦不得懸掛燈具、指示燈、管線。如需使用柱面，另辦柱體裝飾申請。
4. 布幔、看板、地毯須具防焰認證，標籤標示於角落。送印前向供應商取得證明。
5. 現場影片、圖像須與展覽主題相關，不得涉及政治、宗教或有礙善良風俗。音樂、影像須取得公開播映授權。
6. 不得展示未經授權之他人 Logo 或專利產品圖樣。違者將被強制撤展，並列入未來兩年黑名單。

舉例

現場活動若包含舞台視覺或主持字卡，主辦要求活動語言以英文為主，中文不超過 50%。跑馬燈、字卡等現場物料，須按這個比例配置中英文。


5519
5719
LM Hydrogen Ltd
5819
6119
VeriSilicon Inc.
6319
5819
6720
5712
5910
6110
Altium
6310
Green Hills Software LLC
6710
5306
5506
Presto Inc
5907
6107
6307
Quectel Wireless Solutions Co. Ltd
5304
6104
6304
6703
5300
Microchip Technology Inc.
5700
5900
6300
SECO
6500
6700

EVENT INFORMATION

embeddedworld North America **C110120926**
Anaheim Convention Center | Anaheim, CA
September 22-24, 2026

This Event is located in Hall B

Provided Booth Furnishings

Items provided in your booth, per exhibitor:

- 8' High Backwall Drape with 3' High Sidewall Drape
- 7" x 44" Cardstock Identification Sign

Nothing taller than 8'H can be placed in inline booths. Questions please reach out to to info@ew-na.com.

Floor covering is mandatory per the Show Organizers guidelines. Booth spaces without carpet on Monday, September 21st at 3:00 PM will have it automatically installed at the exhibitor's expense.

Event Colors

Aisle Carpet Color: Eclipse

Show Drape Color(s): Grey, Blue

Exhibit Schedule

Target Exhibitor Move In

Sunday, September 20, 2026 · 8:00 AM to 6:00 PM*

**Targeted move in only applies to booths 400sqft and larger. To confirm your targeted time of arrival, please reach out to orders@shepardes.com.*

General Exhibitor Move In

Monday, September 21, 2026 · 8:00 AM to 5:00 PM

Exhibit Hours

Tuesday, September 22, 2026 · 11:00 AM to 6:00 PM
Wednesday, September 23, 2026 · 11:00 AM to 6:00 PM
Thursday, September 24, 2026 · 9:00 AM to 1:00 PM

Exhibitor Move Out

Thursday, September 24, 2026 · 1:00 PM to 8:00 PM
Friday, September 25, 2026 · 8:00 AM to 12:00 PM

Freight Reroute Begins

All outbound carriers must be checked in by this time

Friday, September 25, 2026 | 12:00 PM

IMPORTANT DEADLINES

Please note! Shepard will be closed on September 7th in observance of the Holiday. No shipments will be accepted. Please notify your carrier.

First Day for Warehouse Deliveries Without a Surcharge
Friday, August 21, 2026

Discount Price Deadline for all Shepard Orders
Friday, August 28, 2026

Last Day for Warehouse Deliveries Without a Surcharge
Friday, September 11, 2026

Last Day for Warehouse Deliveries

Date indicated is last day freight can arrive to advanced warehouse with guarantee of delivery to booth for exhibitor move-in.

Thursday, September 17, 2026

First Day Freight Can Arrive at Event Site
Sunday, September 20, 2026 | 8:00 AM

Shipping Addresses

Material Handling Rates will apply.

Advance Warehouse Address
Exhibiting Co. Name & Booth Number
embeddedworld North America
c/o Shepard Exposition Services
2315 E. Locust Ct.
Ontario, CA 91761

Warehouse hours: 9:00 AM - 3:00 PM

Direct to Event Site Shipment Address
c/o Shepard Exposition Services
Exhibiting Co. Name & Booth Number
embeddedworld North America
Anaheim Convention Center
1850 West Street
Anaheim, CA 92802

Due to liability concerns and/or labor jurisdictions, exhibitors or their Exhibitor Appointed Contractors (EACs) may not operate any type of mechanical or powered equipment including forklifts, manual or electric pallet jacks, overhead lifts, etc.

Shepard Mailing Address

1531 Carroll Drive, NW
Atlanta, GA 30318
Phone: 404-720-8600
Email: orders@shepardes.com

Service Desk Hours *(subject to change)*

Sunday, September 20, 2026 • 8:00 AM to 6:00 PM
Monday, September 21, 2026 • 8:00 AM to 5:00 PM
Tuesday, September 22, 2026 • 11:00 AM to 6:00 PM
Wednesday, September 23, 2026 • 11:00 AM to 6:00 PM
Thursday, September 24, 2026 • 9:00 AM to 8:00 PM

Exhibitor Move Out

Thursday, September 24, 2026 • 1:00 PM to 8:00 PM
Friday, September 25, 2026 • 8:00 AM to 12:00 PM

Dismantle & Move Out Information

Shepard will begin returning empty containers and skids as soon as the aisle carpet is removed and/or plastic protection is installed on top of the floor. All exhibitor materials must be removed from the facility by **Friday, September 25, 2026 | 12:00 PM**.

Any materials remaining in the hall will be rerouted or returned to Shepard's warehouse to await disposition at the exhibitor's expense.

To ensure all exhibitor materials are removed from the facility during the exhibitor move out, please have all carriers checked in with Shepard no later than **Friday, September 25, 2026 | 12:00 PM**.

Post Show Paperwork & Labels

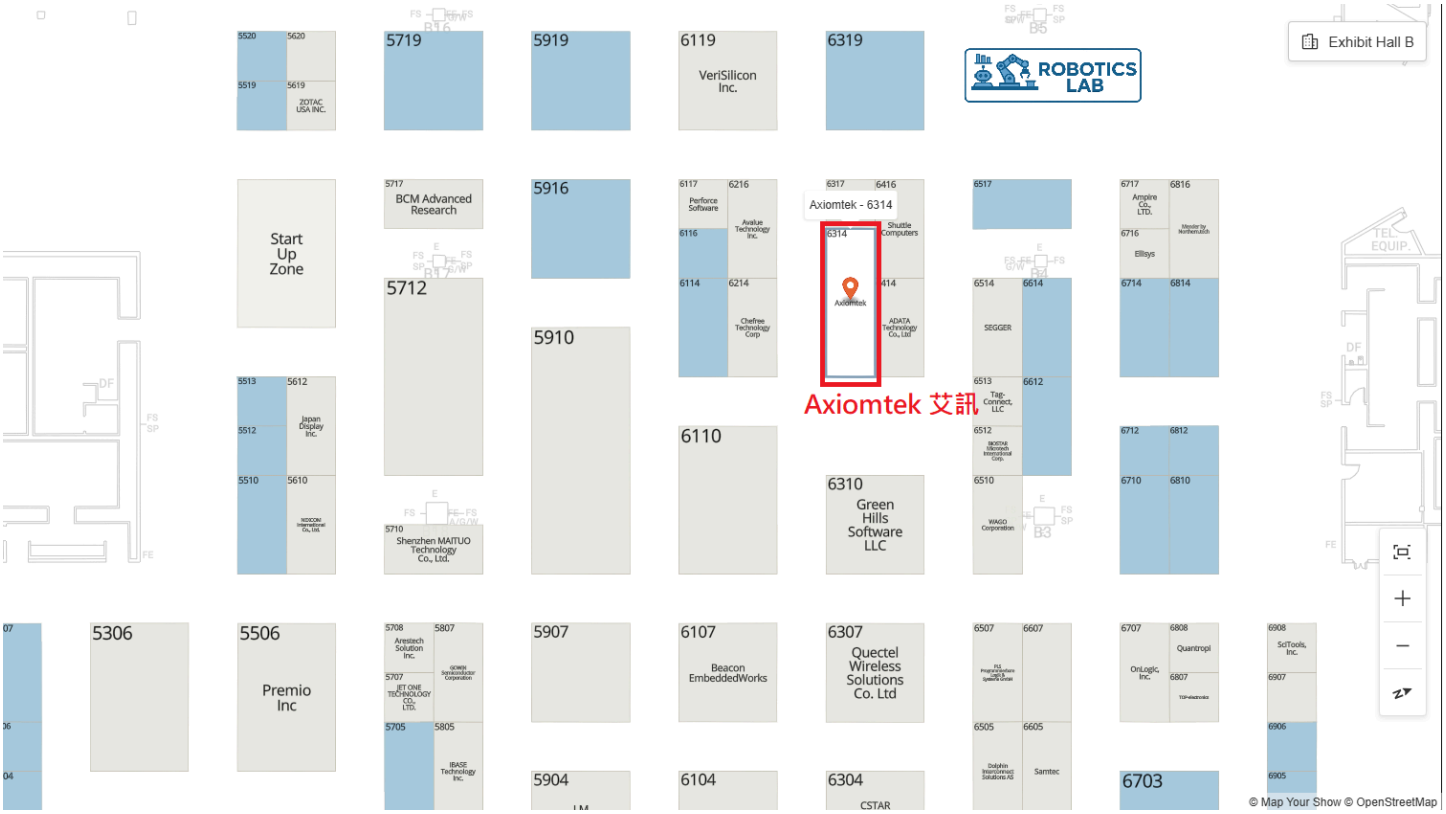
Our Exhibitor Service Representatives will gladly assist you in preparing your outbound shipping labels, outbound Material Handling Authorization paperwork, and outbound shipping in advance. You may find these forms included in this exhibitor services catalog. An email with links to an online portal will also be sent to the exhibitor contact on record for the booth. Labels and paperwork will also be available on-site. Make sure your carrier knows your company name, booth number, and the carrier check in deadline.

Outbound Shipping

It is the responsibility of each exhibitor to arrange for transportation of booth materials after the event. Our Exhibitor Service Representatives are available pre show, during the show, and during move out to assist you in arranging shipping through our official carrier Shepard Logistics. For peace of mind and easy set up, contact Shepard Logistics before the event for transportation services to and from the event. Shepard does not provide UPS, FED-EX, or other carrier specific labels. Exhibitors must schedule pick ups directly with all carriers as well as provide carrier specific shipping labels.

Pick Up Address

Anaheim Convention Center
1850 West Street
Anaheim, CA 92802


Exhibit Hall B
ROBOTICS LAB
Axiomtek - 6314
Axiomtek 艾訊
Start Up Zone
5719
5919
6119
VeriSilicon Inc.
6319
5916
5712
5910
6110
6310
Green Hills Software LLC
5306
5506
Premio Inc
5907
6107
Beacon EmbeddedWorks
6307
Quectel Wireless Solutions Co. Ltd
5904
6104
6304
CSTAR
6703
BCM Advanced Research
Shenzhen MAITUO Technology Co., Ltd.
Japan Display Inc.
ZOTAC USA INC.
SEGGER
Tag-Connect, LLC
WAGO Corporation
Samtec
Quantropi
OnLogic, Inc.
SciTools, Inc.
Ellisys
Ampire Co., LTD.
Perforce Software
Avalue Technology Inc.
Chefree Technology Corp
Shuttle Computers
ADATA Technology Co., Ltd
Arestech Solution Inc.
JET ONE TECHNOLOGY CO., LTD.
IBASE Technology Inc.
Dolphin Interconnect Solutions AS
TEL EQUIP.
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Exhibitor Information – Your ServicePartners in the Exhibition Centre Nuremberg

NürnbergMesse GmbH

T +49 9 11 86 06-0, F +49 9 11 86 06-82 28
info@nuernbergmesse.de info@nuernberg-convention.de
www.nuernbergmesse.de

Exhibitor Services
T +49 9 11 86 06-80 00, F +49 9 11 86 06-80 01
exhibitor.services@nuernbergmesse.de
www.nuernbergmesse.de
www.standkonfigurator.de
hotels.nuernbergmesse.de

ServicePartner

1. Personally present in the Service Point on site
Service 5/6, top floor

In the Service Point on site, the Exhibitor Services Team and Service-Partners of NürnbergMesse offer their services concentrated in one place to minimize the time spent by exhibitors obtaining information. The respective times at which they are present are given in the Last Minute Information.

Convey
Leadtracking
T +49 89 95 45 86 75 9, F +49 (0) 89 543 449 31
leadsuccess@convey.de , www.convey.de

Holtmann +
Individual stand construction
T +49 9 11 86 06-60 51, F +49 9 11 40 08 35-24
nuernbergmesse@holtmannplus.de, www.holtmannplus.de

Hummel Möbelverleih GmbH
Furniture rental
T +49 9 11 86 06-63 03, F +49 9 11 86 06-63 04
nuernberg@hummel-mietmoebel.de, www.hummel-mietmoebel.de

Messebau Wörnlein GmbH
Stand construction, furniture rental, lettering, sundry materials, floor-ing, flame retardant impregnation, fire extinguishers
T +49 9 11 81 74 49-0, F +49 9 11 81 74 49-25
info@woernlein.de, www.messebau-woernlein.de

2. Personally present in the ServicePartnerCenter

ABL BROCHIER Klimatechnik und Gebäudemanagement GmbH
Plumbing installations
T +49 9 11 9 81 29 69, F +49 9 11 9 81 29 79
sp-messe-nbg@abl-brochier.de, www.abl-brochier.de

Bisping & Bisping GmbH & Co. KG
IT-Communication, Internet, WiFi
T +49 9 11 86 06-40 00, F +49 9123 9740-97
communication@nuernbergmesse.de, www.bisping.de

Business & Service Brigitte Schmedding GmbH
Hostesses, exhibition events and hotels
T +49 9 11 8 60 76-0, F +49 9 11 8 60 76-11
info@business-und-service.de, www.business-und-service.de

Engelhardt & Co. Parkraummanagement u. Service GmbH
Permanent parking permits for cars, travel tickets
T +49 9 11 98 11 88-55, F +49 9 11 98 11 88-58
info@engelhardt-parkservice.de, www.engelhardt-parkservice.de

ESS Erlanger Sicherheits-Service GmbH
Guarding of stand
T +49 9 11 8606-6800, F +49 91 31 68 59 4-18
messe-sicherheit@ess-erlangen.de, www.ess-erlangen.de

August & Jean HILPERT Messe-Service GmbH
Plumbing installations
T +49 9 11 37 66 38-0, F +49 9 11 37 66 38-29
service@hilpert-messe.de, www.hilpert-messe.de

Kiefer GmbH
Stand cleaning
T +49 9 11 9 81 72-28, F +49 9 11 9 81 72-30
info@kiefer-cleaning.de, www.kiefer-online.de

Kühne + Nagel (AG & Co.) KG
Forwarding agent, transport services, container storage
T +49 9 11 98 18 56-0, F +49 9 11 98 18 56-29
exposervice.nuernberg@kuehne-nagel.com,
www.kuehne-nagel.com

Schenker Deutschland AG
Forwarding agent, transport services, container storage
T +49 9 11 8 17 48-0, F +49 9 11 8 17 48-25
fairs.nuernberg@dbschenker.com, www.dbschenker.com

SPIE SAG GmbH
Electricity supply, compressed air, ceiling suspensions, working tools, working platforms
T +49 9 11 81 88 18-0, F +49 9 11 81 88 18-19
sag-messe@spie.com, www.spie-servicepartner.de

3. Restaurant Behaims, West, Marco Polo and Vasco da Gama

Lehrieder Catering-Party-Service GmbH & Co. KG
Exhibition and congress catering, event and stand catering
T +49 9 11 86 06-61 14, F +49 9 11 86 06-61 15
info@lehrieder.de, www.lehrieder.de

4. Mobile on site

BSS Brandschutz Sichelstiel GmbH
Sprinkler, fire protectio
T +49 9 11 6 43 77 77 63, F +49 9 11 6 43 77 77 50
messe@bss-sichelstiel.de, www.brandschutz-sichelstiel.de

dias Dickmann Industrie- und Anlagenservice GmbH
Stand cleaning
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nuernberg.messe@dias-service.de, www.dias-service.de

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bischof-und-broel@t-online.de, www.bischof-und-broel.de

Gartengestaltung & Service Ronald Grabinger
Landscaping services
T +49 9 11 86 06-52 24, F +49 9 11 40 08 99 39
info@grabinger-gartenservice.de, www.grabinger-gartenservice.de

Lorenz Projekte GmbH & Co. KG
Lorenz Office GmbH & Co. KG
Lorenz Technik GmbH & Co. KG
Hostesses and personnel services
T +49 9 11 21 46 66-0, F +49 9 11 21 46 66 88
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Neumann & Müller GmbH & Co. KG
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Instruction Sheet
“Suspension points, trusses and lifting equipment” 2026

NÜRNBERG MESSE

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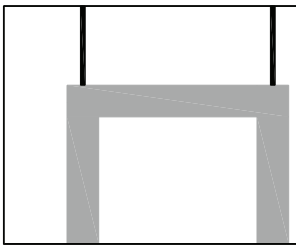
The suspension of objects from the hall ceiling, the provision of suspension points and the modification of suspension constructions are carried out exclusively by NürnbergMesse through its appointed ServicePartners.
Orders for suspension points must be submitted in writing to NürnbergMesse.
The construction to be suspended must be located within the stand boundaries.
The **maximum vertical purely** structural load capacity of each suspension point on the ceiling construction is **25 kg (0.25 kN)** for **halls 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 12**.
In halls **3A, 3C, 4A, 7A and 11**, the **maximum vertical structural load capacity is 240 kg (2.4 kN)**.
Higher loads are only possible on request via the Event Technology Department and after structural inspection by an engineer appointed by NürnbergMesse.
The exhibitor or client will be charged for the cost of such a structural inspection.
The **provision of suspension points cannot be guaranteed in all areas**. This applies mainly to the peripheral areas of the following halls:

Halls 3A, 3C and 11.0:
No suspension points can be provided over the exhibition areas in the area of the loading yard gates with limited headroom. The necessary minimum distances from the sprinkler heads must also be strictly observed in these areas (see Technical Regulations Item 3.1.4). Information on the reduced bearing load of suspension points in the peripheral areas of halls 3A and 3C can be obtained from the responsible ServicePartner.

Halls 4A and 7A:
Only a few suspension points with a reduced bearing load are available in the exhibition areas in the area of the loading yard gates with limited headroom. The application of dynamic loads and the use of lifting equipment here are permitted only after consultation with and approval by the responsible ServicePartner.

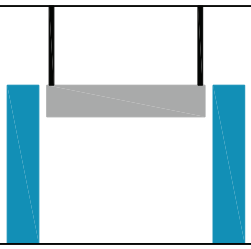
NürnbergMesse reserves the right to require the installation of load measuring systems in the case of statically indeterminate systems. The load measuring systems are to be supplied, installed and operated exclusively by the responsible ServicePartner. The costs of the load measuring systems will be billed to the ordering party. We would like to advise that the use of load cells can reduce the maximum suspension height by up to 50 cm.

Figure 1



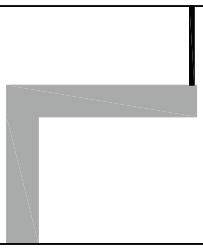
Impermissible

Figure 2



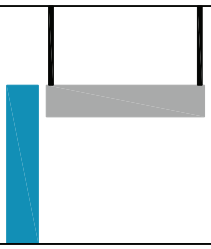
Permissible

Figure 3



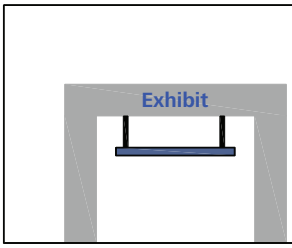
Impermissible

Figure 4



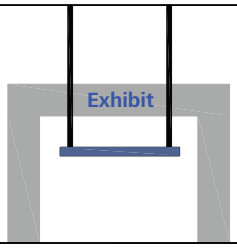
Permissible

Figure 5



Impermissible

Figure 6



Permissible

Figure 7



Impermissible

Figure 8



Permissible

The following types of suspension are not permitted for safety reasons:

- Suspended constructions with a rigid or non-positive connection to the hall floor (see Figures 1 and 2)
- Suspension points used for securing stand components or exhibits (stand components or exhibits must stand securely on their own, see Figures 3 and 4)
- Suspension from exhibits (see Figures 5 and 6)
- The use of diagonal loads at provided suspension points is not permitted on the NürnbergMesse site (see Figure 7)

The use of lifting equipment (electric chain hoists, manual chain hoists, sling hoists) is only possible in halls 3A, 3C, 4A, 7A, 11 and NCC Ost and must be agreed with NürnbergMesse/Event Technology Department.

The provision and use of attachment gear, load-bearing equipment, lifting equipment, load-bearing lines, fasteners, rope terminations, secondary safety equipment and equipotential bonding must comply with the relevant safety regulations and the recognized rules of engineering. The following regulations issued by the various German associations apply:

DGUV Regulation 1 – Principles of Prevention,
DGUV Regulation 17 – Staging and Production Facilities for the Entertainment Industry,
DGUV Regulation 54 – Winches, Lifting and Hoisting Equipment,
DGUV Information 215-310 Safety at Events and Productions – Guidelines for Theatre, Film, Radio, Television, Concerts, Shows, Events, Trade Fairs and Exhibitions,
DGUV Information 215-313 Safety at Events and Productions – Loads Suspended Above Persons
DGUV Information 215-314 Safety at Events and Productions – Spotlights
DGUV Information 215-315 Safety at Events and Productions – Special Stage Presentations
IGVW SQP1 “Trusses“
IGVW SQP2 “Electric Chain Hoists“,
IGVW SQP4 “Mobile electrical equipment in event technology”,
IGVW SQP5 “Erection and operation of non-stationary stages and stage coverings”.
IGVW SQQ1 “Event Electrician“,
IGVW SQQ2 “Event Rigging Expert“
IGVW SQO2 “Event rigging – Organisation and work methods”
Bavarian Venue Regulations (German: Bay. VStättV)

The following information on attachment gear, load-bearing equipment, lifting equipment, fasteners, rope terminations and secondary safety components is intended as a guide and is not exhaustive.

Attachment gear:

The maximum load on ropes and slings must not exceed one-tenth of the minimum breaking load. The maximum load for other attachment gear is half the manufacturer’s specified working load limit (WLL). Any dynamic forces occurring must be given special consideration (dynamic factor).

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NÜRNBERG MESSE

(continued)

The edge radius for attaching loads must be greater than the nominal diameter of the attachment gear (rope, webbing sling and round sling). No further load reduction is necessary for an edge radius of more than three times the nominal diameter of the attachment gear. The heat resistance of attachment gear varies. Webbing slings and round slings made of man-made fibers (PA, PES) and wire ropes with fiber cores (ferrule and thimble) are only to be used up to 100 °C and are not suitable for use close to spotlights. Webbing slings and round slings made of polypropylene (PP) are only designed for use up to 80 °C and therefore even less suitable.
Wire ropes with steel cores (ferrule and thimble) are suitable for use at temperatures up to 150 °C.

Permissible attachment gear:

- Attachment ropes of steel wire with fiber or steel cores, ferrules and thimble rope terminations, and rope grade 1960 (corresponds to a minimum rated wire strength of 1770 N/mm²) to DIN EN 12385-4, Table 7 (rope class 6 x 19 for ropes ≥ 6 mm), Table 12 (rope class 6 x 19 M for ropes of 3 mm to 5 mm), DIN EN 13414-1, Table 3 and 4 (ropes ≥ 8 mm)
- Rope terminations must comply with DIN EN 13411-1 (thimbles) and DIN EN 13411-3 (ferrules)
- Short-link sling chains of quality grade 8 (DIN 5688-3) or higher, with a breaking strength ≥ 20 %
- Webbing slings and round slings made of man-made fibers to DIN EN 1492-1, DIN EN 1492-2 with marking and using a secondary safety component comprising a steel rope with thimble, ferrule and fastener (to DIN 56927)
- Wire rope round sling with sheath of man-made fibers (“steelflex”)
- Aluminum or steel clips and truss adapter approved for the respective trusses (accessory), with marking (indicating load capacity and safety coefficient)

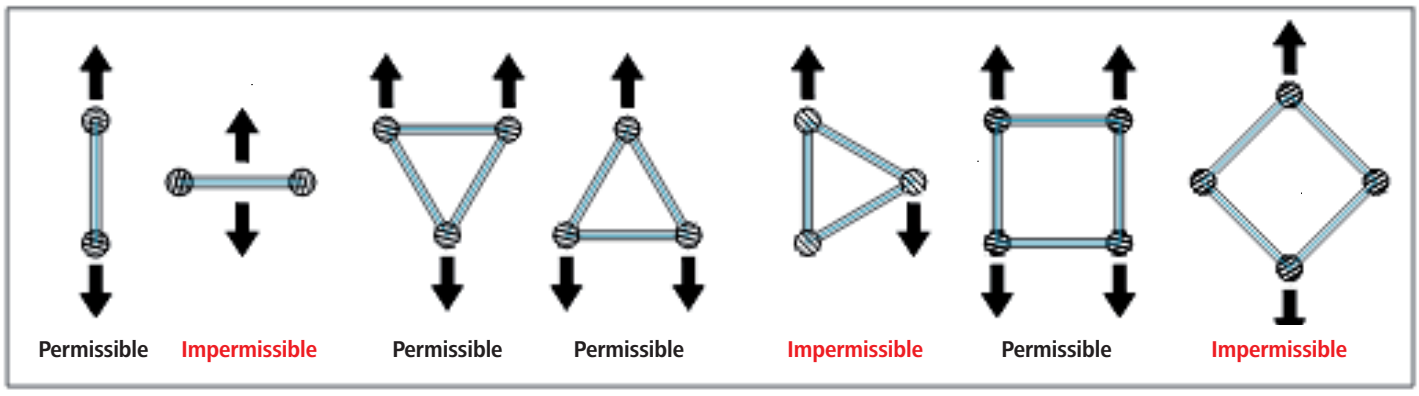
Impermissible attachment gear:

- Wire ropes not conforming to the above requirements
- Wire ropes with sheath (sheath > 1/3 of rope length)
- Long-link sling chains (inside length of chain link (pitch) > 3 x nominal diameter of chain material)
- Untested short-link sling chains or short-link lifting equipment chains (these must not be used as sling chains, as they have a breaking strength of only 5 to 15 %)
- Cable ties, pipe clips or perforated tape without the use of a secondary safety component comprising a steel wire rope with thimble, ferrule and fastener (DIN 56927)
- Webbing slings and round slings made of man-made fibers, without marking and indication of load capacity
- Webbing slings and round slings made of man-made fibers to DIN EN 1492-1, DIN EN 1492-2 with marking and indication of load capacity, BUT without the use of a secondary safety component comprising a steel wire rope with thimble, ferrule and fastener (DIN 56927)
- Damaged attachment gear (e.g. kinked ropes, slings with damaged sheath and sling without recognizable marking)
- One-sided load pickups at trusses with two upper chord (e.g. four-point trusses) are not permitted since this could cause an additional loading of the trusses through torsion. Deviations from this must be accompanied by a structural loading certificate and agreed upon beforehand with NürnbergMesse (Exhibition Technology Departement)

Permissible load-bearing equipment:

- Aluminum trusses to DIN EN 1999-1-1, DIN EN 1999-1-1/NA, IGVW SQP1 “Trusses“
- Steel trusses to DIN EN 1090-2, DIN 18800-7, IGVW SQP1 “Trusses“

Permissible and impermissible positions for installing trusses without additional structural safety certificate:



Impermissible load-bearing equipment:

- Trusses not conforming to the requirements of SQP1 “Trusses“ and DIN EN 1999-1-1, DIN EN 1999-1-1/NA, DIN EN 1090-2, DIN 18800-7
- Trusses without a structural test certificate
- Trusses without marking
- Trusses those are no longer safe for use, i.e. damaged or worn (this also includes damage like dents, cracks, drill holes or other changes)
- Trusses without end struts, if the framework is ignored
- Trusses not used for their intended purpose, e.g. screwed to stand walls, on stand walls, frames, truss tower with base plates that are too small and/or too little ballasting
- Truss systems put together out of different types (manufacturers, versions, models)
- Variably **bendable truss corners** (so-called **book corners**), if they are not generally mounted load-free.

Equipotential bonding of truss systems[1]

Truss systems that may carry hazardous contact voltages in the event of a fault must be incorporated in a common equipotential bonding system. This applies to all elements of electrically conductive material on which electrical equipment is installed or mounted or over which lines and cables are routed which could come into contact with metal parts in the event of damage. Connection to the equipotential bonding system can be made using clips, pipe clamps, screwed fasteners or special single-pole plug-in connectors with locking device. The common equipotential bonding is to be connected to the ground conductor of the mains supply network. Suitable conductor cross-sections are 16 mm² Cu for conductor lengths of up to 50 meters and 25 mm² Cu for conductor lengths of up to 100 meters.

[1] IGVW SQP1 Provision and Use of Truss Systems, 5.3 Installation of Trusses, Equipotential Bonding on 2025 Trusses

Instruction Sheet
"Suspension points, trusses and lifting equipment" 2026

(continued)

Permissible lifting equipment:

- **C 1 hoist** Point hoist to DGUV Regulation 17, IGVW SQP2
  Nominal load as specified by manufacturer
- **D 8 hoist** Electric chain hoist to DGUV Regulation 54 with secondary safety component for bypassing the electric chain hoist (incl. hooks and hoist chain)
  MOVING OR HOLDING LOADS ABOVE PERSONS WITHOUT A SAFETY DEVICE IS PROHIBITED!
  Nominal load as specified by manufacturer
- **D 8 Plus hoist** Electric chain hoist with secondary safety component/ second brake to DGUV Regulation 54 with special features to hold loads in place above persons without secondary safety component – IGVW SQP2
  MOVING LOADS ABOVE PERSONS IS PROHIBITED!
  Nominal load as specified by manufacturer

Use of lifting equipment

The use of lifting equipment (electric chain hoists, manual chain hoists, etc.) is only possible in halls 3A, 3C, 4A, 7A and 11 requires prior approval by NürnbergMesse.
The use of lifting equipment (electric chain hoists, manual chain hoists, etc.) in halls 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 12 is strictly prohibited!
The use of lifting equipment is governed by the requirements and implementation instructions of DGUV Regulation 17, DGUV Information Sheet 215-313 and the industry standard SQ .
A suitable rope termination (e.g. ring or rope socket) must be provided.
Cable holders (sliders) are only designed for static loads and must not be used in conjunction with lifting gear.
The use of lifting gear must be advised when ordering suspension points!

Electric chain hoists – general information

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

Manual chain hoists – general information

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

Impermissible lifting equipment:

- Electric chain hoists to DGUV Regulation 54, without secondary safety component
- Electric chain hoists to DGUV Regulation 54 with inadequately rated secondary safety component (see Permissible secondary safety components)
- Untested electric chain hoists or electric chain hoists without test certificates (annual inspection; for C1 and D-Plus hoists: plus expert inspection every 4 years)
- Electric chain hoists showing obvious signs of damage
- Electric chain hoists not used for their intended purpose (see IGVW SQP2, e.g. stage use of an electric chain hoist to DGUV Regulation 54)

Permissible fasteners:

The nominal load is half the manufacturer's specified load-bearing capacity, maximum one-tenth of the minimum breaking load.

- Shackles, straight and curved, grade 6, to DIN EN 13889 with marking, with type X threaded bolt (with hexagonal head, hexagonal splint nut) if used with dynamic loads (e.g. for suspension of loudspeakers)
- High-strength shackle, grade 8, to DIN EN 1677-1
- Quick link for operation of lifting equipment, non-standard (safety factor 5), marked with load-bearing capacity
- Quick link for event equipment (safety factor 10) to DIN 56927 with marking
- Turnbuckles with closed eyes to DIN 1480, marked with load-bearing capacity, only with safety splint and safety nut if used with dynamic loads
- Suspension ring/link (closed O-ring) marked with load-bearing capacity, or with manufacturer's data sheet
- Shortening clutch with safety element to prevent unintentional unhooking, e.g. locking pins

Impermissible fasteners:

- Carabiners with/without screw lock
- Open hooks
- Open turnbuckles to DIN 1480
- Quick link with lock nut, not marked with load-bearing capacity
- Lashing or tension straps as connection between two truss parts
- Shackles to DIN 82101 (have a working coefficient of only 3)
- Shortening clutch without safety element to prevent unintentional unhooking, e.g. locking pins
- Other fasteners without marking/indication of load-bearing capacity/manufacturer's data sheet

Permissible rope terminations:

- Thimble to DIN EN 13411-1 and ferrules to DIN EN 13411-3
- Rope locks (straight) to DIN EN 13411-7, for dynamic loads only with rope clamp (frog) to DIN EN 13411-5

Impermissible rope terminations:

- Rope clamps (so-called "frog clamps") to former DIN 1141
- Rope clamps (so-called "frog clamps") to former DIN 741

Instruction Sheet
"Suspension points, trusses and lifting equipment" 2026

(continued)

Secondary safety components:

A secondary safety component according to DIN 56927 usually consists of a wire rope, rope termination and fastener. The drop distance should be practically zero.

This is best achieved with a safety rope together with a grade 8 shortening clutch equipped with a safety element to prevent unintentional unhooking (drop distance ≤ length of one chain link (pitch)).

Only quick links with cap nuts according to DIN 56927, or grade 8 high-strength shackles to DIN EN 1677-1 may be used as fasteners for a secondary safety component.

If secondary safety components with a larger drop distance than one chain pitch are used, a structural certificate may be requested for the pulse load of all components of the secondary safety component, attachment gear, load-bearing lines, fasteners and load-bearing equipment.

Spotlights, power track-mounted spotlights, power tracks, switchboxes and the like must be secured with **safety ropes**, each independently of the other, according to the current standard.

Permissible secondary safety components:

- Wire rope of steel wire with fiber core, ferrule sling and thimble as rope termination, rope grade 1960, to DIN EN 12385-4, Table 7 (rope class 6 x 19 for ropes ≥ 6 mm), Table 12 (rope class 6 x 19 M for ropes of 3 mm to 5 mm), DIN EN 13414-1, Table 3, or to former DIN 3060 (round-stranded rope 6 x 19 standard)
- Rope terminations must comply with DIN EN 13411-1 (thimbles) and DIN EN 13411-3 (ferrules)
- Fasteners conforming to the above standards

Impermissible secondary safety components:

- Wire ropes not conforming to the above requirements
- Inadequately rated wire ropes (see DIN 56927, DGUV Information 215-313
- Fasteners not conforming to the above requirements
- Inadequately rated fasteners (see DIN 56927)
- Rope terminations not conforming to the above requirements (e.g. rope locks)

Information Sheet "Outdoor Stand Structures" 2026

NÜRNBERG MESSE i4.14

1. Preamble

This information sheet provides supplementary instructions and explanations in respect of **Section 4.8 of the Technical Regulations** (Info 4) and consequently the technical specifications and requirements for stand structures subject to approval that are to be erected in the outdoor area of NürnbergMesse GmbH.
Unless stated otherwise in this document, the **Technical Regulations** of NürnbergMesse GmbH shall apply.

1.1 Outdoor area

The outdoor area of NürnbergMesse consists of paved or asphalted traffic areas and uneven, mostly non-compacted crushed aggregate or natural lawn areas.
It includes all areas outside of the existing exhibition halls, such as the following:

- **Loading yards and intermediate courtyards** are located adjacent to or between the exhibition halls and generally consist of a paved or asphalted road surface.
- **Inner courtyard (known as the "Exhibition Centre Park"):** This area is enclosed by Halls 1, 5, 6 and 9 and Mitte entrance. There is a paved traffic lane all around a natural lawn area.
- **Outside area H12:** This uneven grassed area is surrounded by an asphalted vehicle lane and contains an electric filling station.
- **Mitte Entrance forecourt**: Paved area in front of main entrance with traffic restrictions. Some areas are covered.

The necessary connections for utilities are provided, spaced at irregular intervals. After dark, general street and path lighting is provided to the outdoor area during event opening times.

1.2 Admissible traffic-bearing capacity/floor loads

The designated driving and traffic areas with asphalted or paved coverings are generally designed as designated fire service access/operational areas as per bridge category SLW 30 (DIN 1072) and as such can therefore be used by heavy vehicles with an admissible gross vehicle weight of up to 30 t (at 10 t axle load).

On **unpaved, partially compacted crushed aggregate and natural lawn areas**, a **maximum ground pressure of 150 – 160 kN/m²** is recommended for the structural load transfer when distributing contact loads. Suitable and effective load distribution measures must be provided in these areas by exhibitor/customer and if required appropriate proofs of such must also be provided.

1.3 Interventions in the building fabric

Existing buildings, furniture, fencing/enclosures, balustrades and technical installations (lighting, signage, flagpoles, infiltration basins etc.) as well as any trees, bushes and plants outdoors must not be damaged, soiled, clad or structurally modified in any way.
Even during setup and dismantling periods, the roads and designated operational areas for fire service and emergency vehicles must **not** be occupied or obstructed by stand structures, other stand installations or construction material belonging to the customer/exhibitor.
The entire width and area of these access roads and designated operational areas for the fire service must be kept clear.
Existing safety equipment and installations (e.g. above-ground fire hydrants) on the exhibition grounds must not be damaged, soiled or modified in any way. They must not be obstructed or encumbered either by stand structures and building materials or by exhibits.
Exhibitors are strictly prohibited from carrying out any work on existing structures and/or installations of the exhibition grounds.

1.4 Ground anchors

Generally, excavations and ground anchors (e.g. ground pegs/stakes) are prohibited in the outdoor areas.
If you do use them, you will be generally liable for all losses and consequences (even if you received special approval and permission from NürnbergMesse).

1.5 Definitions, explanations

According to the Bavarian Building Code **BayBO**, all event-related stand structures erected outdoors are categorised as temporarily erected structures not subject to approval procedures and also **special structures** used under certain circumstances as a place of assembly and/or defined as **temporary (demountable) structures** due to the nature of their construction within the trade fair and exhibition grounds.
These special structures therefore have to meet the stipulations of the applicable public regulations according to the Bavarian Building Code **BayBO** and in particular the latest amended versions of the following regulations, directives and guidelines:

- **Bay-FlBauR** – Bavarian directive on the construction and operation of temporary demountable structures
- **DIN EN 13 782** – Temporary structures – **tents**
- **DIN EN 13 814** – Temporary structures and **systems for event venues**
- **IGVW SQ P5 – Erection and operation of non-stationary stages and stage coverings**

On a case-to-case basis, other special requirements may be imposed on stand structures outdoors in order to implement and ensure compliance with important event-related safety objectives, on the basis of the regulations and directives specified above. In the same way, it may be possible to relax certain requirements if compliance with regulations is not necessary due to the particular nature or event-related use of the stand structure at the location in the outdoor grounds.

2. Stand construction permit

All stands and special structures outdoors are generally notifiable, and depending on type and scope may also be subject to inspection and approval.
In all cases, a verifiable proof of structural stability must be provided.

2.1 Stand structures requiring a permit

The stand structures on the outdoor exhibition grounds that require a permit include all structures categorised as regular ***temporary structures*** as per **Art. 72 BayBO** with a valid model approval (e.g. inspection logbook) or that can be categorised as temporary structures due to their type and construction method, e.g.:

- **Tents** (including tents joined together) with a contiguous floor space of ≥ 200 m² and an axis width of ≥ 10 m.
  Tents < 200 m² floor area and similar structures are always categorised as *temporary structures.* They are exempt only from model approval and official approval for use but must still always comply with the technical specifications and stability requirements for *temporary structures* (including DIN EN 13 782).
- **Grandstands** and **stages,** including canopies and side covers
- **Playground, sports or entertainment equipment** and rides or sideshows like inflatable play equipment (bouncy castles etc.) from an accessible height of > 5 m or completely roofed areas > 25 m², where this roof covering is at risk of subsiding.
- **Show and stage trucks plus promotional vehicles and trailers** with integral extendable/sub-mountable trailers or stage elements. Following a resolution by the working committee on "*temporary structures*" (AKFlB), parked vehicles with retractable, walkable attachments and superstructures to the side and top, and that may possibly have a load-bearing substructure, can meet the general criteria of a "*temporary structure*". If such parked show trucks or stage vehicles are intended for use/access by **general visitors**, corresponding inspection documents (see TR Section 4.2.1) must be submitted to NürnbergMesse.
  Approval for use will generally be given after an on-site inspection of the vehicle following setup. NürnbergMesse reserves the right, on submission of the documents and approval of a local inspection, to impose further measures and/or special conditions on operations in/on the vehicle at the event, in particular with a view to fire prevention. Any costs resulting from this are to be borne by the customer/exhibitor.
- **Free-standing scaffolding/advertising installations** (monitors or LED walls)
- **Masts or signal installations** for exhibition or presentation purposes
- Miscellaneous **performance/show areas** (≥ 200 m²)
- Additional **extensions and projecting structures** on existing exhibition halls and/or tent systems
- All other **walkable and/or canopied freestanding or room-forming stand structures**:
  - Platforms, walkways;
  - Canopies and passageways;
  - Single and multi-story pavilions and/or container structures;
  - Structures with fully enclosed cinema, auditorium or visitor rooms.

(continued)

2.2 **Inspection/approval of stands requiring a permit and authorisation of their use on the outdoor grounds**

In this conjunction, the provisions and requirements of the **Technical Regulations Section 4.2.1** shall apply without exception.
For the purposes of inspection and approval, under certain circumstances also involving the relevant building inspectorate, the complete stand documents specified therein must be submitted in good time **in digital form (PDF files)** to NürnbergMesse (Event Technology Department). (See Technical Regulations Section 4.2).
In the case of canopied, closed and/or multi-storey stand structures (pavilions, containers or tent systems) that are designed to provide areas/rooms accessible to trade fair visitors and that have a contiguous **usable area of 200 m² or more**, the following documents must be submitted in addition:

- **Fire protection certificate/concept** with details of materials and test certificates:
  - o This includes the submission of a **verifiable fire protection certificate** adapted for the respective stand interior and utilisation. We recommend that this should be compiled in German on the basis of *vfdb Guideline 01-01: Fire Protection Concept (Brandschutzkonzept).*
  - o Submission of a corresponding **Emergency exits and escape route plan** (in A4 format or larger) based on DIN ISO 23601, with **Fire protection regulation (Part A)** to DIN 14096 in two languages (German/English) to be displayed at an accessible location within the stand (in the entrance area) for the duration of the event.
- Advance submission of a **type approval** or valid **model approval** (**inspection logbook**).
  The customer/exhibitor must itself present the original of the inspection log for the temporary structure to the building code authority, which will carry out a final acceptance on site. Charges apply for this procedure. The respective notifications must be submitted to NurnbergMesse and approved by it at least 14 days before the start of the event.

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3. Stability

All stand structures erected outdoors for the purposes of the event must be of sufficient stability so that they do not jeopardise public safety and order and do not present a hazard for life and limb in particular. The exhibitor/customer is responsible for ensuring the load-bearing capacity and stability of these installations and must provide proof of such.

3.1 **Wind loads**

To achieve sufficient stand safety and stability, all rising, projecting or freestanding stands outdoors must withstand the regular wind pressure and suctions loads specified in **Eurocode 1: DIN EN 1991-1-4/NA** in conjunction with the *National Annex* (formerly DIN 1055-4) for all load-bearing elements of roof structures and exterior walls.
For the exhibition centre location (approx. 325 m above sea level), the following location-specific characteristic values and simplified velocity pressures apply:

Nürnberg: Wind zone 1 (inland)

- mean wind velocity: **$v_{b,0}$ = 22.0 m/s**
- ref. wind pressure: **$q_{b,0}$ = 0.32 kN/m²** (< 28 m/s)

Simplified gust velocity pressure [q] at:

- Stand height up to 10 m: **q = 0.65 kN/m²**
- Stand height > 10 – 18 m: **q = 0.80 kN/m²**
- Stand height > 18 – 25 m: **q = 0.90 kN/m²**

Based on DIN EN 1991-1-4, NA.B.5, a reduction in the calculated wind pressure for the above mentioned stand structures is a temporary condition and admissible as follows **without** safeguards:

- q_{red} = **0.7***) x 0.5 **= 0.35 kN/m²** (v_m = approx. 28 m/s)

***) NOTE:**
This reduction in the calculated wind pressure applies for the verification of the unsecured structure. It may be used on condition that the weather situation is monitored sufficiently closely, that storm warnings are obtained from a qualified meteorological service, and that **preparations are made to discontinue operation**.

3.2 **Wind loads for *temporary structures***

For *temporary structures* requiring a model approval as per Art. 72 BayBO, the associated inspection logbook and/or construction record (original) with valid model approval, including verified stability proofs and inspection reports, are necessary.
These documents define and specify the regular wind load and operating conditions for the structure as per DIN EN 13 814, 4.3.3.4 (for event structures) and/or DIN EN 13 782, 6.4.2.2 (for tents) in conjunction with the established *Technical Building Regulations (as per BayBO).*
For *temporary structures* that are **not** required by the building code to have a model approval, a verified or verifiable proof of stability relating to the location of the outdoor grounds must be submitted to NürnbergMesse (Event Technology Department, see TR Section 4.2).
The above mentioned wind loads to Eurocode 1: DIN EN 1991-1-4 or DIN EN 13 814*) must be presented and applied here in the appropriate way and scope.

*) If the working load case to DIN EN 13 814, 4.3.3.4 (Table 1) is used, the exhibitor/stand operator must take the necessary organisational measures to prepare for and ensure the necessary **cessation of operation** in the event of a forecast **wind velocity of v_{10} = 15 m/s** and more (including single gusts).

Exceptions are possible in justifiable cases subject to more detailed proof of stability. In justified circumstances, NürnbergMesse reserves the right to have its structural engineer conduct an on-site inspection of the stability of the stand and to charge the exhibitor for this inspection.

3.3 **Snow loads**

Only in the case of stand construction during the **winter (Nov. - March)** do the regular snow loads to **Eurocode 1: DIN EN 1991-1-3/NA** in conjunction with the *National Annex* (formerly DIN 1055-5, Table 1) need to be taken into account for all load-bearing roofing/canopies and evidence of such provided:

Nürnberg: Snow load - Zone 1
Altitude of site around 325 m above sea level
Snow load: **S_k = 0.65 kN/m²** (minimum basic amount)

In the case of stand structures categorised as *temporary structures*, reduced snow loads to DIN EN 13782 (tents), 6.4.3.3 and/or DIN EN 13814 (other *temporary structures*), 5.3.3.5 can be applied:

- **red. S_k = 0.20 kN/m²**, if as a result of suitable stand construction measures, like internal heating (≥ + 2°C outside surface temperature on the entire roofing/tarpaulins) or immediate clearing of snow, the accumulation of snow (h > 8 cm) can be verifiably prevented by corresponding operational measure during the working life of the systems.

3.4 **Severe weather warnings**

If severe weather events are expected (including storms, thunderstorms, heavy rain, black ice) with

- **Wind gusts > 13 m/s (**wind force **> 6 Beaufort** – including in individual gusts)
- Severe **thunderstorms** with wind gusts, heavy rain or hail
- **Heavy rain** > 20 l/m² in an hour
- **Snowfall** up to 10 cm in the next 6 hours
- Localised **black ice** – formed by quickly freezing rain, drizzle or moisture,

NürnbergMesse GmbH will issue a general severe weather warning to exhibitors/customers with stands outdoors. Thereafter, those exhibitors operating stand structures or *temporary stands* on condition of **reduced wind loads** must take immediate action to **cease operation**.
To allow severe weather warnings to be passed on directly to larger stands/pavilions/facilities (> 200 m² useable area), the **name and mobile phone number of a relevant person with technical responsibility** must be provided to NürnbergMesse GmbH along with the registration, but at the latest by the start of the event. This must be a person who will be present at the stand/event area during the event and can immediately initiate and execute the necessary measures to halt operations.

(continued)

When called on to do so by NürnbergMesse GmbH, customer/exhibitor/stand operator must take the following measures **immediately to halt operations**:

1. **Secure stand structures** according to the provisions of the model approval (inspection logbook, structural analysis etc.) such as closing entrances, letting down installations (e.g. LED walls) and/or tarpaulins on the sides of the stage.
2. Complete **evacuation of the stand**/event area (trade fair visitors, other guests and stand personnel).
3. When instructed to do so by the security personnel of NürnbergMesse GmbH, **evacuation of the entire outdoor area.** All participants will be instructed to immediately go to the exhibition halls or leave the exhibition grounds.

The instructions of site security personnel and other employees of NürnbergMesse GmbH must be complied with immediately and without exception.

4. Stand construction materials and fire protection

4.1 Stand construction materials

These special fire protection and safety provisions apply to closed pavilions/rooms and stands in the outdoor grounds of NürnbergMesse. The fire protection regulations are specified in the currently valid technical regulations of NürnbergMesse in point **4.4.1 Fire protection**.

4.1.1 Guys/anchoring cables

Structurally load-bearing guys and mountings attached to necessary ballast weights to ensure stability or to secure freestanding poles or advertising installations must be made of non-combustible materials. This applies in particular to the ballast connection of temporary structures such as stage canopies and tent structures.

4.1.2 Glass

Only heavy-duty glass suitable for the purpose may be used for all stands outdoors. For supporting structures made from verifiable safety glass (for walkable floors, ceilings, facades or balustrades) in stands/event areas, the requirements and provisions detailed in the latest amended versions of the following technical regulations shall apply exclusively:

- **DIN 18008 (Parts 1 - 5) – Glass in building, design and construction rules**
  - Part 1: *Terms and general bases*
  - Part 2: *Linear supported glazing*
  - Part 3: *Point fixed glazing*
  - Part 4: *Additional requirements for barrier glazing*
  - Part 5: *Additional requirements for walk-on glazing*

On the basis of the above building regulations and depending on the intended uses, all glass structures designed as

- Vertical glazing, possibly with fall-prevention function;
- Overhead glazing,
- Walk-on glazing,

must have proof of structural stability and must be executed in accordance with regulations.

4.2 Special fire protection and safety regulations

4.2.1 Exits/escape routes

Structurally enclosed stands/pavilions and/or single rooms with > 100 m² useable area or suitable for > 100 visitors must have at least two exits (minimum inside width 1.2 m) to the outside and/or leading directly to the corridors (escape routes). These exits should be as far away from one another as possible and located at opposite ends. The maximum **walking distance** of **30 m** from each point within an enclosed stand structure to its exits outside must be observed. All corridors and escape routes to these exits, including doors, are to be clearly and visibly marked in accordance with ASR A1.3, and/or DIN EN ISO 7010, DIN EN 1838 and DIN 4844-1. (See TR Item 4.5.1)

Doors

It must be possible to fully and easily open doors from the inside (in the direction of evacuation) at all times using a single handle. In the event that two or more double-leafed doors are located directly next to each other, suitable door stops and blockers must be used to make sure that opening the door leaf does not interfere with the opening of the adjacent set of doors. In such cases all leaves must open to a maximum of 90°.

The use in escape routes of swing doors, rotating doors or access barriers needing to be opened by force is only possible subject to certified approval by the building authority (abZ, general building authority approvals). Swing doors in escape routes must be fitted with devices that prevent them from swinging back. Manually operated rotating doors/turnstiles are only allowed in escape routes if they are fitted with mechanical devices that ensure they can be opened easily over the entire width from the inside. Also admissible are automatic and/or electrically operated sliding door systems provided they have a valid general building approval (abZ), that all parts of the system are installed locally in conformity with the approval conditions and that escape routes are not impeded by the sliding door installation.

If external exit stairs are installed, there must also be a threshold-free exit landing (at least as wide as a door leaf) between the exit door and the steps.

4.2.2 Safety lighting

Structurally enclosed stands/pavilions and/or single rooms need their own additional safety lighting in accordance with VDE 0100-718. It must be designed so that people can still find their way outdoors in the event of a general power supply failure.

4.2.3 Ash bins and ash trays

Insofar as specific stand/event areas outside of closed rooms (e.g. on terraces) have been designated for smokers, a sufficient quantity of ash trays or ash bins made of non-combustible material and with tight-fitting lids must be provided and emptied at regular intervals by customer/exhibitor.

4.2.4 Heating

The use of **compressed and/or liquefied gas for heating** stands is not permitted.

The operation of **heating systems/equipment with suitable oil burners** for stands is possible subject to consultation and agreement with NürnbergMesse. These kinds of systems including their tanks are always subject to approval and need to meet special safety and protection requirements.

The technical documentation on the heating systems/equipment and tanks (where necessary with collection device) including information on the fenced-in, inaccessible outside installation location for the system and details of the planned refuelling and safety measures, must be provided to NürnbergMesse (Event Technology Department, see TR Section 4.2) at least 28 days before stand setup as part of the approval process.

Electrical heating systems in stands are admissible. However, they need to be secured to prevent them from moving and their power cables must also be securely fastened. Glowing parts of heaters must not be exposed. The backs and sides of radiators and fan heaters must be at least 1 m away from walls and combustible items. Radiators need to be at least 3 m away from objects made from combustible materials.

4.2.5 Lightning protection

Structures and exhibits outdoors should be provided with effective **lightning protection equipment**, if due to their location, design or usage a lightning strike or flashover could readily occur or lead to severe consequences. Temporary stand structures and exhibits located outdoors with an overall height of more than 15 m must always be fitted with a lightning protection system to DIN EN 62305-3.

For these kinds of temporary lightning protection installations proof must be provided of an acceptance/function test conducted by the professional installer or a qualified or accredited electrical engineering professional (lightning protection).

The test report must be kept to hand and a copy sent to NürnbergMesse (Event Technology Department, see TR Section 4.2).

(continued)

4.2.6 **Fire alarms and smoke detectors**

- In each structurally enclosed stand/pavilion with **> 100 m² useable area** or that is suited for **> 100 visitors** at any one time, an **automatically activated alarm system** consisting of at least a point-type optical smoke detector to DIN EN 54-7 must be professionally installed to ensure proper functioning in each enclosed room for the duration of the event.
  The alarm should alert to a hazardous situation by emitting an audible signal (DIN tone to DIN 33404-3) and will serve to immediately warn people within the enclosed stand/pavilion. The audible signal from the alarm system must differ from other operational signals and exceed the general noise level by 10 dB(A) at all times. This means that the sound emission level of the alarm signal should not be less than 85 dB(A).
  The smoke alarm is to be fixed *approximately* in the middle of the ceiling at the highest possible point of each area used (room). When installing the smoke alarm the manufacturer's instructions are to be followed.
- In the case of **multi-storey, extended, contiguously used stands/pavilions (≥ 200 m² and < 400 m² useable area)** the required number of smoke alarms must be increased accordingly and distributed as evenly as possible in each enclosed room (max. detector spacing about 6–7 m for approximately 60 – 80 m² to be monitored by each detector). All smoke alarms distributed in this way are then to be connected with one another via a wireless or wired system so as to ensure that an alarm is sounded simultaneously from each detector point to provide complete coverage of the entire stand structure.

All lounge/recreation rooms inside a structurally enclosed stand/pavilion which are enclosed on all sides (enclosed rooms) and do not have a line of sight to the rest of the pavilion area must be equipped with an audible warning system similar to the fire/smoke alarm installations described above, to ensure that an alarm can be provided at all times. Alternatively, we recommend creating a line of sight with the dimensions 0.2 m x 0.8 m (width x height; see TR Section 4.4.4)

The professional installation of fire alarm equipment can be carried out on behalf of customer/exhibitor and to their account by the service partner of NürnbergMesse. If these systems are installed by other parties, e.g. by the exhibitor's own stand construction firm or contractors engaged by it, a written confirmation (in German) of the completion of a functional test (including activation test) and problem-free commissioning of the system must be submitted to NürnbergMesse (Event Technology Department) at the time of the functional installation of the fire alarm systems (smoke detectors or similar) but at the latest upon the final structural inspection.

4.2.7 **Fire extinguishers**

During setup and dismantling and for the duration of the event, a suitable fire extinguisher to DIN EN 3 for fire categories A, B, with at least 10 extinguishing agent units must be available in each structurally enclosed stand/pavilion.

The **number of fire extinguishers necessary** can generally be derived from the provisions of the *Guidelines on the Construction and Operation of Temporary Structures* **FlBauR** in conjunction with the BayBO building code.

- Up to 100 m² built area:
  - o at least 1 fire extinguisher **(10 EAU)**
- Up to 300 m² built area:
  - o at least 1 fire extinguisher **(12 EAU)**
- Up to 400 m² built area:
  - o at least 2 fire extinguishers **(15 EAU)**
- Up to 500 m² built area:
  - o at least 2 fire extinguishers **(18 EAU)**
- Up to 600 m² built area:
  - o at least 2 fire extinguishers **(21 EAU)**
- Up to 700 m² built area:
  - o at least 3 fire extinguishers **(24 EAU)**
- Up to 800 m² built area:
  - o at least 3 fire extinguishers **(27 EAU)**
- Up to 900 m² built area:
  - o at least 3 fire extinguishers **(30 EAU)**
- Up to 1,000 m² built area:
  - o at least 4 fire extinguishers **(34 EAU)**
- for each further 500 m² built area:
  - o 1 additional fire extinguisher **(another 12 EAU)**

In the case of multi-storey stands, additional fire extinguishers are generally to be provided at the stairways, secured so that they cannot be tipped over, for the duration of the event and during the setup and dismantling period. The number of fire extinguishers needed on the top floor can be calculated using the breakdown provided above.

In kitchen/catering areas where food is prepared (hot fat, oil) suitable fire extinguishers (fire category A, F) must be provided.

In large pavilions (> 600 m² useable or floor area) additional fire extinguishers may be stipulated.

All fire extinguishers must be within easy reach, secured against falling, readily visible and provided at locations that are constantly accessible and marked in accordance with ASR A1.3.

4.2.8 **Instruction of stand personnel (before event starts)**

Before starting to use the structurally enclosed stand/pavilion for the purposes of the event, the entire stand and exhibitor personnel who will be present for the duration of the event must be instructed about the fire and safety installations available and the general rules of conduct in the event of alarms and emergency situations on the basis of the fire safety regulations that are to be compiled by the exhibitor (at least Part A).

These instructions should include in particular all stipulations/regulations relating to the

- General fire and safety regulations of the exhibition grounds **(Emergency number (Security Control Unit): 0911 – 8606 7000)**
- Alarm installations (internal smoke detectors, signal tones etc.)
- Fire extinguishers (locations, use of)
- Emergency exits and escape routes (constant monitoring to ensure such areas are kept clear during the event)
- Special evacuation tasks (e.g. to assist vision/hearing-impaired people or wheelchair users).

The completion of staff instruction must be documented and submitted to NürnbergMesse (Event Technology Department, see TR Section 4.2) at the start of the event-related use of the stand/pavilion or at the latest when the trade fair opens. The name and phone number of the exhibitor's representative in charge of the stand/pavilion (and present every day) must be provided in this document.

5. Stand area, design and handing back of stand area

The rental area is marked on the outdoor grounds (insofar as possible) by NürnbergMesse.

Every exhibitor/customer is obliged to inform themselves on site about the location of the stand, dimensions and any internals, safety installations etc. The stand boundaries must be strictly observed.

5.1 **Floor areas**

Carpets and other floor coverings provided by exhibitor/customer must be laid so that they cannot move and cause accidents or protrude beyond the stand boundaries. Exhibitors/customers wishing to lay floor coverings across general visitor walkways outdoors to connect to their stands must have approval to do so. Any carpets or floor coverings laid by exhibitors/customers must not present any **thresholds or tripping risks** or other accident risks. Any adhesive tape used to hold floor coverings in place must be such that it can be removed from the floor afterwards without leaving residue. This also applies to all other materials installed.

Substances like oil, grease, paint and similar must be removed from the floor/surface of the floor covering immediately. The existing surfaces may not be painted or coated.

In the event of excessive dirt or hard to remove adhesive residues on the floor surfaces, NürnbergMesse will impose a cleaning charge on the exhibitor/customer.

5.2 **Advertising materials, flagpoles, presentations and stage areas**

In principle the provisions of the Technical Regulations of NürnbergMesse Section 4.7.7 shall apply.

Exhibitors may only distribute printed material and use other advertising means at their own stand/event area. The use or distribution of advertising material outside the stand area/event area is only admissible following prior agreement with the organiser. Other presentations, visual, slow-moving or acoustic advertising and musical reproductions (see TR Section 5.13) are allowed provided that they do cause annoyance to neighbouring stands and do not result in crowd congestion or obstructions on the general walkways for visitors or disruptions on the roads. They must also not drown out the exhibition centre's own PA systems in the outdoor grounds.

In the case of acoustic musical performances during the daily event period, the sound level including peaks must not exceed an admissible level of **70 dB(A)** at the boundaries of the stand or event area. Presentations or performances with intended higher level of noise emissions (> 70 dB(A)) outdoors must always be notified and approved. Corresponding information and documents must be submitted to NürnbergMesse (Event Technology Department, see TR Section 4.2). Depending on the type of event and the expectable sound levels, standard-conforming sound level measurement and documentation according to DIN 15905 (Part 5), to be conducted at the expense of the preparator, may be required.
If advertising materials end up on the general traffic areas and/or visitor pathways due to wind or other effects, the exhibitor will be liable for any resulting damage and/or for the costs of extra cleaning.
Flagpoles/masts on the outdoor grounds may not be more than 8 m high.

5.2.1 **Stage areas for performances and other presentations**
Stage areas inside exhibition stands/event areas outdoors are areas designated for artistic or other performances or presentations. The operation of larger stage areas (from 50 m²) at the exhibitor's/customer's outdoor stand/event area for the purpose of product presentations that may involve acoustic, musical show performances of all kinds and occasionally higher noise levels is subject to approval (see TR Section 4.2.1) and must be notified to NürnbergMesse GmbH. In this context the provisions of the latest amended versions of the Technical Regulations of NürnbergMesse and the statutory requirements will apply.
Stage areas at stands/event areas outdoors must be notified to NürnbergMesse (Event Technology Department, see TR Section 4.2). A verifiable stand plan and description of the type of performance/programme, sequence of events, participants and any stage and sound equipment it is planned to use (including expected sound levels) must be submitted.
When providing this notification, the exhibitor/customer must also nominate the prescribed, suitably qualified ***Event Engineering Officer*** who must be present on site to professionally manage and supervise the setup and dismantling, rehearsals and performances on the stage in accordance with the provisions of DGUV Regulation No. 17. Specifically, this person must be familiar with the stage/lighting and other technical installations on the stage area and must ensure the safety and functioning of such equipment, in particular in respect of fire protection, during the operation of the event.

Even if it has previously issued its approval, NürnbergMesse is entitled to restrict or prohibit any performances that cause the approved/permitted noise levels to be exceeded or represent a visual annoyance, or that for any other reasons considerably endanger or impede the running of the exhibition or event or visitors, other exhibitors and organisers.

5.3 **Barrier-free access for visitors to walk-on stand structures/facilities**
Barrier-free access must be taken into account when designing walk-on stand structures and event areas outdoors. These facilities must be always be accessible to and usable by people with limited mobility without assistance by third parties.
We recommend ramps with a maximum gradient of 6 % and a minimum width of 1.20 m that are equipped with a non-slip floor covering. Doors must have a clear passage width of at least 0.9 m. Movement and traffic areas must be at least 1.5 m wide.

5.4 **Dismantling, restoration and handing back of outdoor stand/event area**
The exhibitor/customer must always hand back the stand/event area to NürnbergMesse in a clean condition, in its original state and with all structures removed, at the latest by the stipulated end of the dismantling period. All work necessary to restore the site to its original condition, such as removing adhesive tape and residues and floor coverings installed by customer/exhibitor, removal and dismantling of ballast weights, anchors etc., must have been completed by this time. Exhibitor/customer must have any demolition rubble occurring removed immediately by the NürnbergMesse GmbH service partner. Previously grassed areas are to be restored exclusively by NürnbergMesse GmbH at the expense of customer/exhibitor.
Damage and contamination by exhibitor/customer or its agents to existing outdoor structures or facilities must always be reported to NürnbergMesse.
Until final restoration and handover of the stand/event area, the customer/exhibitor must ensure the necessary security on site.
If the site has not been restored to its original condition by the end of the dismantling period, NürnbergMesse GmbH shall be entitled to have this done by its service partner at the expense of the customer/exhibitor.

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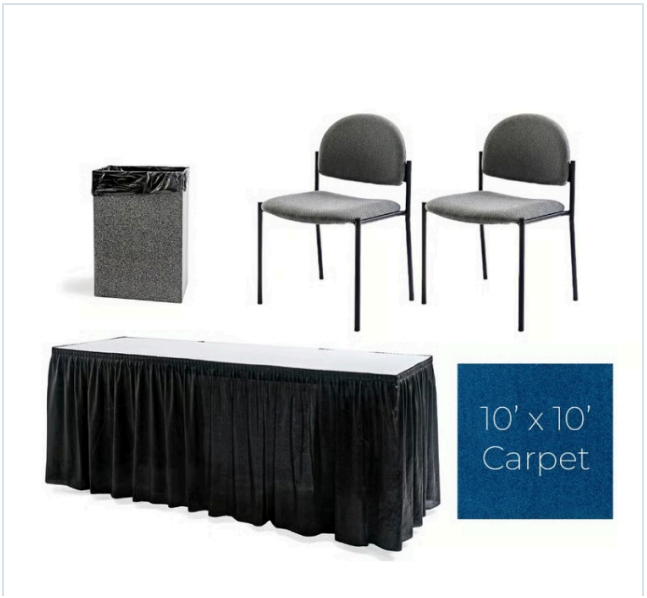
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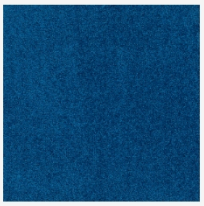
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