Annex No. 1

# Technical Conditions for Temporary Facility Development (Temporary Premises, Exhibition Stands, etc.) in the EXPO IEC

1. Temporary premises, facilities, exhibition stands should be constructed only within the marked area, and the passages should be free of containers and construction waste. In case of violation of a location of the structures being constructed relative to the general marking, the Developer shall disassemble and re-assemble the structures at its own expense. It is not allowed to take out any details of the structure beyond the allocated area accepted for construction.
2. Height of the temporary facilities and premises on the open areas of the EXPO IEC must comply with the technical solutions adopted in the project documentation for construction. Maximum height of the stands, including additional structures, should not exceed 6 m.

Maximum permissible distributed load of structures, equipment on the floor in the EXPO IEC pavilions and conference halls should not exceed the values specified in Table No. 1.

1. It is allowed to use only tempered glass. At a height of more than 1.8 m from the floor level to the upper edge of the constructed premise, facility, stand, it is allowed to use only Triplex glass. Glass walls and doors should have a noticeable inscription or drawing at a height of 1.5 m.
2. The constructed walls of temporary premises, exhibition stands and facilities and any devices for advertising should be stable and should not pose a threat to health and life of third parties; frames and elements of constructed walls and other structures using combustible materials should be subject to flame retardant treatment. Back wall of the stand in the block (if it is higher than the adjacent stand) should be white and have no inscriptions and drawings. The structures of the suspended ceiling frames should only be made of non-combustible materials. Contractor is responsible for the safe installation of any structures and should be able to confirm it if necessary. Facilities, premises, exhibition stands temporarily constructed by the contractor should not be fastened with the neighboring temporary constructed facilities, premises, exhibition stands.
3. Fastening of temporary constructed facilities, premises, exhibition stands and structures to stationary walls and to the floor of the pavilion of the EXPO IEC is not allowed.
4. Assembling in the EXPO IEC inside the pavilion should be made of components and elements of a high degree of readiness that have been pre-assembled and painted on the production areas of a construction organization. In the EXPO IEC pavilion, it is allowed to make only the docking of finished elements, sealing and painting of seams, with preliminary covering of the aisle floors with a protective film. It is forbidden to use circular stationary saws, flat-grinding machines not equipped with a dust extraction system, open fire, welding work.
5. It is forbidden to use building materials for the manufacture of walls, ceilings and filling suspended ceilings in temporary constructed premises, facilities and exhibition stands with a higher fire hazard than class KM1 (G1, B1, D2, T2, RP1). Suspended ceiling frames should only be made of non-combustible materials. During the construction of stands, it is forbidden to use materials with increased dust and dirt formation (such as HCP, etc.)
6. It is forbidden to use building materials for covering floors in temporary constructed premises, facilities and exhibition stands with a higher fire hazard of less than KM1 (G1, B1, D2, T2, RP1).
7. If it is necessary to use (drapery) fabric finishing of facilities (stands, etc.), fabrics must correspond to the KM1 class (B1, D2, T2), (fabrics of the "Candle" type or made of "Trevira CS" fiber or equivalent).
8. It is prohibited to use building materials with a fire hazard class less than KM0 (NG class materials) to finish the walls and ceilings of the hall areas of the pavilion itself. It is prohibited to use finishing materials with a fire hazard class below KM2 for finishing floors in the hall areas of pavilions (including between temporary structures). At the same time, the following classes of materials are permissible for finishing on evacuation routes: a). KMO – for finishing walls and ceilings in lobbies, stairwells and elevator halls;

b). KM1 – for finishing walls and ceilings in common corridors, halls and foyers, and for covering floors in lobbies, stairwells and elevator halls; c). KM2 – for covering floors in common corridors, halls and foyers.

1. Each temporary facility (exhibition stand, temporary premises, stage complex and other facility) must have fire certificates and certificates of fire-fighting treatment of materials confirming the classification of building materials and their possible use.
2. When arranging temporary premises (conference halls, auditoriums), a distance from back to back between rows of chairs, seats, etc., should be at least 0.9 m. Number of continuously installed seats in a row should not exceed 26 with a one-way exit from the row, and with a two-way exit no more than 50. Chairs, seats, etc. or links of them in halls (more than 12 seats) should be provided with a device for fixing to the floor. Installation of temporary seats for people (or links of them) is not allowed. In halls with no more than 200 seats, the fastening of chairs to the floor may not be performed if they are necessarily connected in a row with each other.
3. Deciduous and coniferous trees can only be used with moist roots.
4. Bamboo, cane, straw, bark, peat and similar materials should be used only after special treatment.
5. Designs of stairs, ramps, steps and bridges must comply with safety requirements. All stairs, elevated platforms, zones must have handrails. Handrails must be at least 1.1 m in a height from the floor level and have at least upper, middle and lower grab-handles. Stair handrails and railings must be continuous, equipped with grab-handles and designed to handle loads of at least 100 kg/m. Platforms must be rated for a load of at least 400 kg/sq. m. Height of single-level platforms should not exceed 0.22 m in height. Slope of the stairs should be no more than 1: 1; and width of the tread run – at least 25 cm, height of the step – no more than 22 cm. Width of staircases and staircase landing should be at least 0.9 m. Installation of spiral, curved, etc. stairs is prohibited. Floor differences on the routes must be made through at least in three steps or in a ramp with a slope of not more than 1:6. Width of the doors (or doorways) should be at least 0.8 m (for premises with capacity of 50 or more people – at least 1.2 m), and height – at least 1.9 m. Height of the passage on the evacuation routes of the stand, including when installing additional structures, should be at least 2.2 m.
6. When placing furniture, technological, exhibition and other equipment in the temporary premises, exhibition stands (including exclusive ones), other facilities, there must be passages to the main escape routes (passages between stands) and evacuation exits (stands). Minimum width of the aisles must be at least 1.2 meters.
7. To confirm the safe evacuation of people and ensure the fire safety of the development facility – a two-storey stand with an estimated number of visitors of more than 50 people - fire risk is calculated.
8. A contracting organization when constructing the temporary facilities (exhibition stands, temporary premises, stage complexes, mobile pavilions and other facilities) must ensure attractiveness of appearance of walls and partitions bordering the aisles where visitors to the event (exhibition) can be located, through the use of decorative design, displays, etc. Partitions, walls of premises, facilities, exhibition stands, bordering adjacent premises, must be white. Interior spaces, pavilion buildings, and equipment of the EXPO IEC must not be damaged, soiled, or otherwise altered. Painting, wallpapering, pasting materials on the surfaces of walls and equipment of the EXPO IEC pavilion is prohibited. Curbstones, columns located within the development site can be hidden up to the permitted height of the structure, provided that they are not damaged.
9. If it is necessary to build a foundation, a podium, it should be built above the floor level. Digging holes is prohibited. Painting the pavilion floors and the pavement of outdoor areas is prohibited.
10. If it is necessary to use mortar, it should be kneaded and applied on the metal, plastic sheets or tarpaulin. It is forbidden to apply mortar on the floor of pavilions or road surface.
11. Oil and similar substances should be removed immediately if they get on the surfaces of floors or road surfaces. Carpets and carpeting must be laid in accordance with safety regulations and must not protrude beyond the construction site. Only polyethylene or polypropylene adhesive tape can be used to bond the carpet to the floor or road surface. Such materials should not leave traces.
12. When using bulk materials (earth, sand, etc.), technological hatches or openings in the pavilion and in the open area of the EXPO IEC must be covered and protected from contamination. If dust appears at the same time, it must be removed by suitable means.
13. It is possible to hang a limited number of structures and equipment to the metal structures of the roofing sheet in the EXPO IEC pavilion. Structures and equipment are suspended only by the Operator in accordance with the application and drawings agreed with the EXPO IEC Technical Directorate. Maximum permissible load on the roof beams (trusses) of the pavilions should not exceed the values specified in the "EXPO IEC Technical Specifications".
14. When developing working designs regarding the decoration and design of stands, premises, facilities, the contractor must ensure that all inscriptions applied to the walls, logos and names of organizations do not go beyond the permitted height of structures and look attractive from all viewing points.
15. It is allowed to use slow-motion displays and acoustic effects, such as playing music, provided that this will not cause inconvenience to people in neighboring premises and will not drown out speakerphone messages. Maximum allowed volume at the edge of the premise is 70 dB, while the sound sources (speakers) must be deployed inside the premise.
16. When developing a working design and assembling two-storey exhibition stands, premises, facilities, it is necessary to establish a structure of the 2nd floor so that it can withstand the following workload:

* 400 kg/sq.m. when using the 2nd floor premises;
* horizontal load on balustrades and railings along the upper edge of the railings supporting the walls of the upper floor at a height of 1.10 m. from the top edge to the floor is calculated at the rate of 100 kg/m;
* bearing capacity of the steps must be at least 500 kg/sq.m.;

1. Reliability of the two-storey structure must be confirmed by appropriate calculations.
2. The structures of premises, facilities, mobile pavilions constructed on the EXPO IEC open area must withstand the wind load from the air flow at a speed of up to 30 m/s. The calculations of structures should also take into account other climatic influences and loads in accordance with **NTR RK 01-01-3.1 (4.1)-2017** "Loads and Impacts".
3. When developing a working design and assembling exhibition stands, premises, facilities in the pavilion and on the open area of the EXPO IEC, the contractor must ensure the maximum permissible distributed load on the floor specified in the "EXPO IEC Technical Characteristics" during the work.
4. It is necessary to install "Exit" light signs in all enclosed temporary premises, stands, facilities (regardless of a number of people in them), as well as in premises with simultaneous stay of 50 or more people – above evacuation exits; above evacuation exits from the floors of the building, directly outside or leading to a safe zone. It is necessary to install (at a height of at least 2 m) evacuation signs indicating the direction of movement in corridors longer than 50 m. At the same time, fire safety evacuation signs should be installed along the corridors at a distance of no more than 25 m from each other, as well as in places where the corridors turn.
5. Electric cable, hoses for water and sewer wires laid in the passages should be covered with protective trays or bridges (ladders).
6. When working at a height of more than 1.5 meters, a third-party developer is required to obtain a work permit from the EXPO IEC Labor Protection and Safety Department.
7. It is necessary to work on certified ladders, stairs under safety and labor protection requirements.
8. Safety cables should be used on suspended structures to insure electrical appliances.
9. The IEC Operator reserves the right to stop all assembling until a subsequent decision is made (elimination of a remark, or invoicing for additional services) if the assembled stand or suspended structure fails to comply with the previously submitted technical documentation.
10. When preparing electrical circuits and the plan of suspended structures, it is necessary to use the symbols specified in Annex No. 7.

**37.** Exhibition areas as part of events held at the IEC are cleaned only by an accredited organization.

**36.** The Developer, the Exhibitor or the Organizer of the event has the right to independently, at its own expense, install an empty and remove a filled garbage container, having previously agreed on an installation point of the container with the Operator’s representative or order this service from the Operator.

**37.** The Organizer shall allocate the necessary amount of time in agreement with EXPO, but not less than 4 (four) hours, for the Final cleaning. By the time of the Final cleaning, the Organizer shall ensure the termination of all assembling and disassembling works and actions during which garbage is generated, as well as free the passages from items not subject to disposal.

**38.** After the main cleaning, it is forbidden to carry out dust works and put garbage in the aisles.

**39.** The Operator installs garbage containers and cleans the aisles from small construction debris only during the assembling of events.

**40.** • During the disassembling, the removal of unassembled structures, whole parts of stands into containers installed in technical areas is strictly prohibited. The structures must be completely disassembled and removed by a participant and/or the developer independently.

Table 1

# Maximum Loads on the Foundation in the EXPO IEC Pavilion and Conference Halls

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name of a premise/area** | **Maximum load on the foundation, kg/m2** | **Notes/Annexes** |
| 1 | Exhibition hall | 1,000 |  |
| 2 | Hall | 1,000 |  |
| 3 | Hall of the 2nd floor | 1,000 |  |
| 4 | Conference halls | 1,000 |  |