

## SAFETY

### ONSITE INSPECTION BY A CIVIL ENGINEER / COMPLEX STRUCTURES

**For safety purposes, all structures which could endanger life and limb if improperly assembled will be inspected by a civil engineer during exhibition set-up.**

Structures that will be inspected are:

» **Rule 1** All overhead structures, i.e. all structures suspended from the ceiling, roof, suspension points, etc., with the exception of fabric decorations which would not endanger life and limb in the event of collapse.

» **Rule 2** All stands with an accessible level higher than 40 cm above hall finished floor level (FFL). Exception: Surfaces consisting of approved platform elements with an approved distributed load of at least 500kg/m<sup>2</sup> and a maximum height of 80cm.

» **Rule 3** All exhibition stand and truss structures with a constructed area of over 25m<sup>2</sup> and a height of over 4m.

» **Rule 4** All exhibition stand and truss structures with a constructed area of less than 25m<sup>2</sup> and a height of less than 4m where the aspect ratio of the floor area of the stand to the height is greater than 1:3, even if this only applies to one relevant side (danger of tipping over).

» **Rule 5** All free-standing uprights, e.g. truss uprights on steel plinths with lighting rigging that are over 2.5 m high, where they would endanger life and limb if they tipped over. The same applies to free-standing pillars and similar structures.

» **Rule 6** All free-standing single walls that are not adequately secured by the use of suspension points, where tipping over would endanger life and limb.

» **Rule 7** All structures, the erection of which calls for an extensive knowledge of structural engineering.

» **Rule 8** All structures for which the licensing authority requires an individual acceptance report.

*All other constructions that do not fall into those categories still have to be built in a stable manner and must be state of the art.*

**During the inspection construction plans, certification of the structural elements, truss spreadsheets etc, as well as static calculations for free standing elements and multi-storey stands must be presented to the civil engineer upon request. The constructions and their calculations have to align with the European Norm EN13814 - Fairground and amusement park machinery and structures – Safety (in their currently valid version).**

Please make sure to have the documentation ready at the booth during set-up to be sure of a favorable report.