



## **Addendum - Safety at the Tower (climbing wall)**

### **Competition Rules**

for

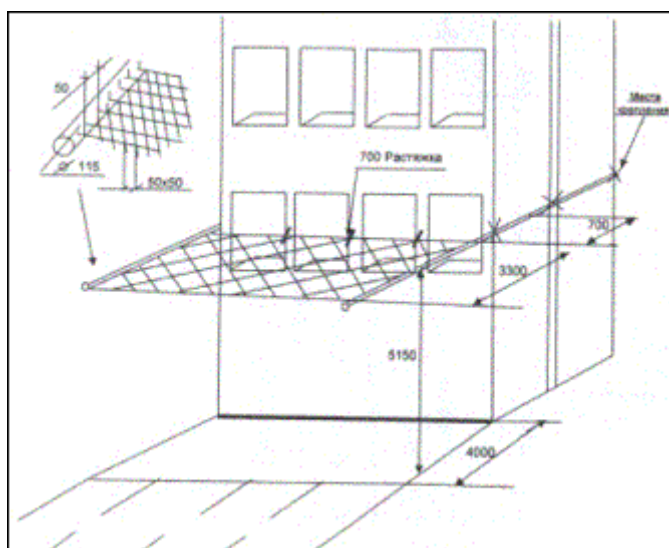
### **International Fire Brigade Sporting Competitions**

July 19<sup>th</sup> – 26<sup>th</sup>, 2009 in Ostrava, Czech Republic

## **ADDENDUM – Safety at the Tower (climbing wall) for climbing it with hook ladders:**

When a safety net is used for the tower (see annex), the competitors may climb the tower without additional safety measures. If they so desire, they may use the safety arrangements provided on the tower. To do so, a team member may insert a safety rope into the safety harness on the first floor.

### v **Annex: Safety net at the climbing tower (arrangement)**



### **Specifications of the safety net on the climbing tower:**

1. The framework which carries the net is to be made from a tubular metal tube with a diameter of 115 mm (also a square tube with a cross-section of 115 x 115 mm is allowed). Wall thickness of the tube - 2 mm).
2. Mounting of the frame: Fully horizontal and outside the climbing tower.
3. Height (level) for mounting the frame:
  - 900 mm over the window sill of the first window line;
  - 5150 mm over the surface of the safety pit.

4. Distance between the safety net and the front of the climbing tower - 700mm.
5. Mounting of the frame: Laterally on the front of the climbing tower by means of electric welding or ropes at three fixation points over the entire length.
6. For fixing the safety net, hooks are welded on to the tube in a distance of 50mm.
7. From the front of the tower reaching to the safety net, pulling devices with a length of 700 mm are installed at three points (see drawing above).
8. The safety net is made from Carbon fibres of 3 - 4 mm strength.
9. Size of the safety net loops: 50 x 50 mm.
10. Mounting of the net: The net may sag only slightly, in order to prevent obstructions when inserting or throwing the hook ladders.

**Installation variants:**

1. Insertion on a rod of Ø 10 mm and mounting on hooks.
2. Insertion of individual loops on hooks.

A rescue rope mounted at the ends of the net is used to adjust the tension of the net on the frame.