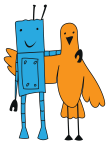




## **RULES FOR COMPETITION «REMOTE CONTROLLED SOCCER 4x4» REQUIREMENTS FOR ROBOTS MATERIALS**

*Version 1.1 of July 9 2019.*

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## 1. General rules

This annex to the rules for «Remote controlled soccer 4x4» sets the requirements for materials, which should be provided by each team, that participate in selection for «RoboFinist» festival in «Remote controlled soccer 4x4» category.

These materials should be provided in order to demonstrate working capacity of the robots that are going to participate in this competition. The materials should be provided during the registration. The team, which hasn't provided these materials won't be able to participate in the competition. An application that has the materials which don't meet the requirements of this annex can be declined by the competition organizers.

The list of materials that should be provided to take part in selection:

- photo;
- description;
- video clip.

The selection criteria for «Remote controlled soccer 4x4» is the demonstration of good handling of the ball - passes in the circle, dribbling around cones and goal attacks.

## 2. Photo requirements

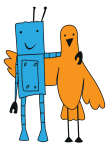
A real robot should be placed in the center of the photo. It should be in focus and take the major part of the photo.

## 3. Content description requirements

The robot description should be no less than 500 symbols. It should be notified in the description which platform was used to build a robot. The construction of the robot also needs description, as well as a list of all the sensors. In the conclusion the uniqueness of the robot and its purpose should be clarified.

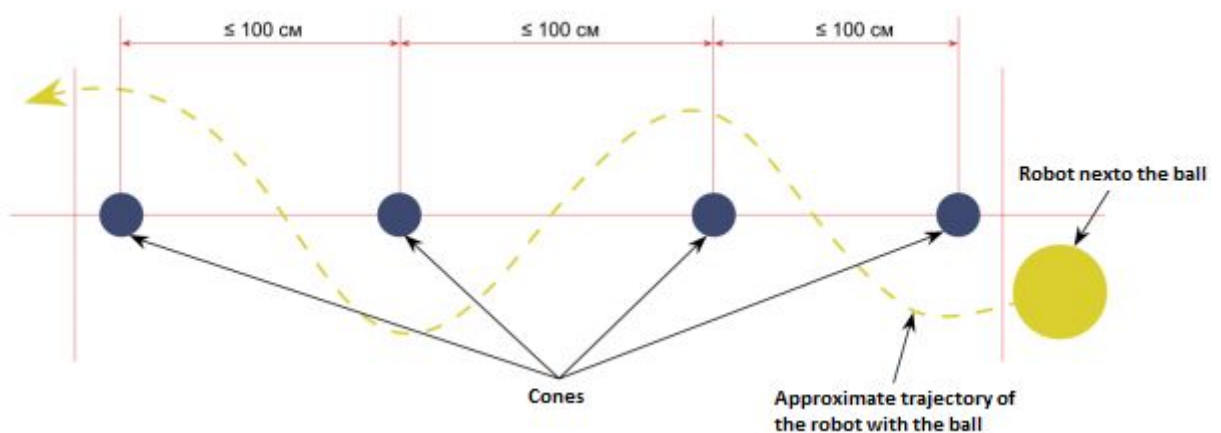
## 4. Video clip content requirements

Two tasks, described in abstracts 4.1 and 4.2, need to be shown in a video clip. Right before the start of the task each robot should be demonstrated that it meets the requirements of the rules «Remote controlled soccer 4x4». The ball in this tasks can be a standard golf or tennis ball.



## 4.1 «Dribbling»

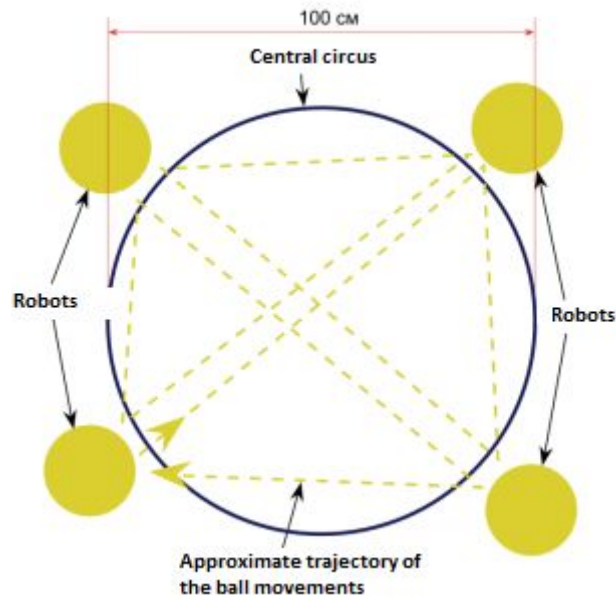
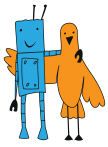
There are 4 cones placed along the straight line on the horizontal surface, the interval between each other is no more than 100cm. Robot starts with a ball behind the line near the first cone, drive around all the cones dribbling until finally passes the line behind the last cone (pic. 1). The task is successfully accomplished, if all robots in the team (including goalkeeper) dribbled the ball till the finish line and didn't lose it. In other case the task isn't accomplished.



Pic. 1. «Dribbling» task

## 4.2 «Playing for pass»

All robots of the team place around the central circle with radius 50 cm. Then robots start play for pas with each other. During this task no parts of the robots can be inside of the circle. The task is successfully accomplished if each robot did at least two passes, none of these robots went inside the circle and the ball wasn't lost. In other case the task isn't accomplished.



*Pic. 2. «Playing for pass» task*

The video clip can contain no more than 2 consistent parts (this means no cutting (montage) is permitted inside of each part). There has to be an A4 piece of paper with clearly written name of the team and date of shooting in each shot, as well as team members should be presented.

During «Dribbling» task all robots of the team should be presented in the cut. Robots have to accomplish the task one by one.

The length of the video clip should be no longer than 3 minutes.



## 6. History of changes

№	Version	Date	Note	Previous version	New version
1.	1.1	09.07. 2019	5th abstract was removed		
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