



## **RULES FOR COMPETITION «PRACTICAL ROBOTICS OLYMPIAD» REQUIREMENTS FOR ROBOTS MATERIALS**

*Version 1.0 of August 14, 2018.*

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## 1. General rules

This annex to the rules for «Practical Robotics Olympiad» sets the requirements for materials, which should be provided by each team, that participate in selection for «RoboFinist» festival in «Practical Robotics Olympiad» 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.

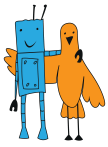
The selection criteria for «Practical Robotics Olympiad: LEGO» is successfully accomplished one or several tasks from the previous year Olympiad, using Lego construction set and any kind of software. The aim is to get the largest amount of points for each task.

The selection criteria for «Practical Robotics Olympiad: TRIK» is successfully accomplished one or several tasks from the previous year Olympiad, using LEGO or TRIK construction set and TRIK Studio software. The aim is to get the largest amount of points for each task.

The selection criteria for «Practical Robotics Olympiad: Arduino» is successfully accomplished one or several tasks from the previous year Olympiad, using Arduino construction set and any kind of software. The aim is to get the largest amount of points for each task. Or you can demonstrate the working capability of your own unique project made on platform Arduino.

## 2. Photo requirements

There should be photo(s) of real robot(s) shot at the moment when it's accomplishing certain task(s). It should be in focus and show key-elements of the construction.



### 3. Content description requirements

There has to be a document for each accomplished task, where the working process should be described. This description should contain:

- task conditions;
- algorithm;
- results description, which were accomplished during task solving and shown in video clip.

Text description, using Times New Roman font size 12 and 1,5 spacing, cannot be more than three A4 pages. Informal style.

### 4. Video clip content requirements

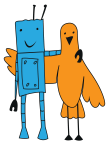
In the video clip the robot, which was constructed by team members, needs to accomplish at least one task, which was in the Practical Robotics Olympiad of Robofinist 2018.

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. The length of the video clip should be no longer than 2 minutes.

### 5. Several disciplines registration

If one robot participates in several competitions, it is possible to assemble together a few clips. But all time stamps should be pointed out in the description of an application, so it would be easier to find the right clip for a right competition.



## 6. History of changes

№	Version	Date	Note	Previous version	New version
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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