

«PRACTICAL ROBOTICS OLYMPIAD» CONTEST RULES

APPENDIX 1 «MANDATORY QUALIFICATION EXERCISES»

Version 1.3 dated September 03, 2016.

1. General provisions

- 1.1. This appendix to the Practical Robotics Olympiad contest rules (hereinafter – the appendix) sets out the requirements for video file (hereinafter – the video), photo and description files (hereinafter - the materials) which must be presented by all the teams participating in the Practical Robotics Olympiad (hereinafter – the teams).
- 1.2. Null and void.
- 1.3. The materials are presented by the teams to demonstrate their competence and qualification for participating in the contest.
- 1.4. The materials are provided during the registration. The team which failed to provide the materials cannot participate in the contest.
- 1.5. The application of the team which provided the video which does not meet the criteria described in this document during the registration may be rejected by the organizers of the competitions.

2. Requirements for the video

- 2.1. Each team must present the video demonstrating successful execution of the at least one of the problems of the Practical Robotics Olympiad took place during the Robofinist 2015 international festival¹.
 1. There are no additional restrictions for robots taking a part in Junior High category (except ones set by the problems conditions).
 2. Robot taking a part in High category must be performed using the details of the any construction kit and be programmed using the TRIK Studio or be performed using details of the TRIK construction kit and be programmed using any software.
- 2.2. The video may be made up of max. two successive scenes, i.e. non-cut video segments. Each scene should contain a frame with an A4 sheet which clearly shows the name of the team of date of shooting.
- 2.3. Team members must be depicted on the video in the each scene.

¹ Full text of the problems is available on the [link](#).

2.4. Video duration must not exceed two minutes.

3. Requirements for the photo

- 3.1. Teams are also obligated to present the photo of the robot(s) executing the task(s).
- 3.2. The key elements of the robot(s) construction and A4 (or similar size) paper sheet clearly shows the team name and the date of the shooting must be depicted on the photo.

4. Requirements for the description file

- 4.1. For each solved problem team also should present a text document containing the description of the problem solving process. This description must include:
 1. text of the set problem;
 2. algorithm of the problem solution;
 3. description of the results achieved by the team members during the process of the problem solving and depicted on the video.
- 4.2. Volume of the text of the description must not exceed 3 pages of size A4 when the text performed in the following way: typeface of the text of the description is Times New Roman, font size – 12 pt, font style – basic, line spacing is sesquialteral.
- 4.3. There are no requirements for the text style decoration and typography.

5. Change Log

- 5.1. Version 1.3 of this was document created at September 03, 2016 based on the previous version of this document. Changes were introduced to the paragraph 2.1.
- 5.2. Version 1.2 of this document was created at August 30, 2016 based on the previous version of this document. Changes were introduced to the paragraph 2.1.
- 5.3. Version 1.1 of this document was created at July 14, 2016 based on the previous version of this document. Changes were introduced to the paragraphs 1.1, 2.1. Paragraph 1.2 became null and void.
- 5.4. Version 1.0 of this document was created at February 29, 2016.