

**Approved by**

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**Director of Karaganda Region  
Education Development Resource  
Center**

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\_\_\_\_\_ of \_\_\_\_\_ 20\_\_

**Regulation  
on V International Festival of Robotics, Programming and Innovative  
TechnologiesROBOLAND 2019**

**Karaganda  
2019**

## **1. General Provisions**

1.1 The International Festival of Robotics, Programming and Innovative technologies ROBOLAND 2019 (hereinafter referred to as the Festival) is organized to facilitate development of creative activity of students, develop their engineering skills, promote educational robotics and programming, share best practices and identify the best teams.

1.2 This Regulation determines the procedure for and conditions of the festival and competitions to be held as part of it.

1.3 The official website of the festival is [www.roboland.kz](http://www.roboland.kz).

## **2. Key objectives of the Festival**

2.1 Identifying and supporting talented school and university students in the field of robot designing and programming, engineering sciences, programming and other innovative educational technologies.

2.2 Promoting scientific and technical creativity and enhancing the image of engineering jobs for young people.

2.3 Developing young people's skills of practical solution of actual engineering technical problems and work with equipment.

2.4 Increasing children and young people's interest in innovations and high technologies.

2.5 Identifying, selecting and supporting talented young people.

2.6 Promoting youth entrepreneurship in the field of innovations and high technologies.

2.7 Promoting development of scientific, technical and engineering areas in the educational environment.

2.8 Providing exhibition and competition sites for school and university students and their supervisors.

2.9 Creating a favorable environment for the exchange of experience among school and university students, teachers, heads of educational organizations on educational innovation technologies.

2.10 Promoting the professional development of teachers in the field of teaching robotics, engineering sciences and programming through organization of training seminars during the festival.

2.11 Increasing the number of professional teams in educational innovative technologies.

## **3. General Provisions**

3.1 The festival is organized by the Education Department of Karaganda region.

3.2 All general issues relating to the organization and conduction of the festival are addressed by the organizing committee, the composition of which is approved by the Education Department of Karaganda region.

3.3 Direct management of the festival is performed by the executive directorate.

3.4 The festival is an open event, in which representatives from all regions of Kazakhstan, as well as foreign participants, can take part.

3.5 The festival program includes the following events:

- Exhibition of innovative educational technologies from schools, colleges, universities, private companies and other organizations;
- Presentations of equipment and technologies at special sites;
- Thematic seminars, lectures and master classes for teachers, heads of educational organizations, methodologists of district and city education departments, school and university students and their parents;
- Competitions in robotics, programming and innovative technologies based on various kits and platforms, including selection competitions in districts and towns of Karaganda region and final competitions;
- Cultural and entertainment program for the finalists;
- Events to be held as part of the “Karaganda meetings” and “RoboLand” projects organized throughout the calendar year.

#### **4. Competitions as part of the festival**

4.1. The festival competitions consist of two stages:

- Selection competitions and pre-selection;
- Final competition.

4.2. The rules of the final competition are regulated by the Regulations on certain categories and this Regulation.

4.3. The rules of the selection competitions in categories included in the final competition of the festival shall comply with the Regulations and the Regulation of the festival. The rules of the selection competitions in other categories are determined by their organizers independently.

4.4. A team is a group of school students, university students, post-graduate students, young specialists, headed by a team coach and engaged in robotics classes. A team shall include:

- The coach, who is also the team manager - a team member over 18 years old who performs administrative management of the team, represents its interests to the Festival Organizers and other organizations and controls and is responsible for proper behavior of all team members. The team coach does not directly participate in competitions.
- The team leader, who coordinates the team members to achieve maximum results in the Festival competitions, represents the team to the judges and other teams. The maximum number of team members is indicated in the Regulations for each category and *Appendix No. 1* hereto.

4.5. One coach can manage several teams.

4.6. There can be several teams from one organization.

4.7. Each participant in the final competition can only take part in competitions in one category.

4.8. Selection competition organizers can admit participants to competitions in several categories.

4.9. The number and list of categories of the final competition can be reviewed annually.

4.10. The number and list of categories of selection competitions are determined by their organizers independently in accordance with *Appendix No. 2*.

4.11. Festival events are held throughout the academic year from September to May. The final competition is held annually during spring break.

## **5. Organization of RoboLand 2019 selection competitions**

5.1. Teams of educational organizations, educational centers, clubs, public organizations, as well as self-organized teams that do not represent any organizations, are allowed to participate in selection competitions.

5.2. Selection competitions may be district, city and regional. Preliminary competitions can be held in educational institutions prior to them.

5.3. In Karaganda region, selection competitions are held in towns and districts by the relevant education departments.

5.4. In districts, towns and districts of other regions of Kazakhstan, as well as in foreign countries, selection competitions can be organized both by state and public or private organizations.

5.5. To be eligible for conducting selection competitions, their organizers shall submit an application for conducting selection competitions to the address of the Festival Executive Directorate [info@roboland.kz](mailto:info@roboland.kz) (*Appendix No. 6*). The Executive Directorate reviews the application within a week and confirms or rejects it. District and city education departments of Karaganda region are exempt from filing such application.

5.6. Organizers of selection competitions that have received confirmation have the right:

- To use the RoboLand logo and brand name throughout the year;
- To use the Festival software to register participants and conduct competitions;
- To send the winners of their competitions to the final competition of the Festival in accordance with the distribution list;
- To receive promotional materials of the Festival or souvenirs in the amount approved by the Executive Directorate of the Festival;
- To post information about their competitions, best students and teachers on the website [roboland.kz](http://roboland.kz) and in the Festival's social media accounts;
- To receive the information support of the Executive Directorate of the Festival;
- To invite one of the robotics coaches authorized by the Executive Directorate as the chief judge at selection competitions or to conduct free master classes.

5.7. The organizers of selection competitions that have received confirmation shall:

- Provide the information on the dates and list of categories of selection competitions, and the categories selected for participation in the final competition, to the Executive Directorate of the Festival by January 20, 2019;
- Hold selection competitions before February 20, 2019;
- Submit a final report within a week after the end of the competition;
- Place the logos of the Festival sponsors at the venue of the competition;

5.8. The procedure for selection competitions, registration and admission to them is determined by their organizers independently in accordance with this Regulation and the Festival Regulations. The list of recommended categories for selection competitions is given in *Appendix No. 2*.

5.9. When conducting selection competitions, categories shall be divided by the levels of teams, including beginner level participants.

5.10. All expenses for the organization of selection competitions shall borne by relevant education departments.

5.11. The number of teams allowed from each district and city to the final competition based on preliminary results is indicated in *Appendix No. 3*.

5.12. The panel of judges of selection competitions is determined by the decision of their organizers.

## **6. Organization of qualification selection for the final competition RoboLand 2019**

6.1. The following teams are admitted to the final competition of the festival without participation in selection competitions, on the basis of qualification selection:

- Of Karaganda regional schools;
- Of Karaganda region colleges;
- Of higher educational institutions of Kazakhstan;
- Of Nazarbayev Intellectual Schools;
- Of educational organizations of the regions of Kazakhstan that do not conduct selection competitions;
- Of educational centers, clubs, public organizations of Kazakhstan;
- Of foreign organizations;
- Teams participating in social or rehabilitation projects.

6.2. The qualification selection is conducted in accordance with *Appendices No. 3 and No. 7* to this Regulation. The deadline for submission of documents for the qualification selection is February 28, 2019.

## **7. Organization of the final competition RoboLand 2019**

7.1. The final competition RoboLand 2019 is held on March 29-30, 2019, in Karaganda. The arrival date is March 28. A brief program of the festival final is provided in *Appendix No.4*.

7.2. The list of categories of the final competition RoboLand 2019 and the number of teams admitted to it are provided in *Appendix No. 1*. The organizers can change the quotas for a specific category without any prior notice. In this case, all teams that have already registered are eligible to participate in the final competition.

7.3. The following teams are allowed to participate in the final competition:

- Winners of previous competitions of the RoboLand 2018 festival in the same category in which they plan to participate in upcoming competitions;
- Winners and prize-winners of selection competitions of the festival in accordance with the number of teams allowed;

- Teams that have passed the qualification selection.
- 7.4. The age of the final competition participants is 4 to 21. The specific age limits for each category are stipulated in the Regulations and are indicated in *Appendix No. 1* hereto.
- 7.5. Each team shall have two own network filters, a laptop with pre-installed software and necessary materials, including a robot, a disk with programs, spare parts and components, spare batteries, etc.
- 7.6. Programming language: no restrictions.
- 7.7. The organizers reserve the right to make any amendments to this Regulation, its Appendices and Competition Regulations. Information about changes is published on the official website of the Festival no later than 10 days before the start of the Festival.
- 7.8. The organizers reserve the right to disqualify any participant and team for non-compliance with the conditions of the Festival, cancel the results of the competition in the category where abuse of authority by some judges or the panel of judges was revealed.
- 7.9. The organizers have the right not to explain to a participant or anyone else the reasons for a decision.
- 7.10. All robots and devices shall be made in such a way as to not cause any harm to people around them, other robots and devices or fields for competition.
- 7.11. During the final competition participants shall wear badges provided by the Organizers. All team members, except for the coach, shall wear the same team T-shirts with the team name or logo.
- 7.12. Taking part in the Festival, guests and team members agree that photos and videos can be taken at the Festival's events without the direct permission of guests or team members, and the finished materials can be edited and used by the organizers for informational and advertising purposes at the discretion of the organizers, as well as consent to the processing of personal data in accordance with applicable law.
- 7.13. Taking part in the Festival, team members agree that the descriptions of designs of robots that won in any of the categories can be used in the preparation of teaching materials by the festival organizers or their partners.
- 7.14. Security during the final competition will be ensured by the Festival Organizers. All issues relating to personal safety, safekeeping of property and intellectual property and personal documents shall be responsibility of the participants of the Festival.
- 7.15. Participants shall comply with the requirements of the security staff.
- 7.16. Children under 18 shall be accompanied by adults or in groups and teams accompanied by coaches or authorized persons.

## **8. Admission to and registration for the final competition**

- 8.1. The organizers of selection competitions, within a week after the selection competitions, but no later than February 28, 2019, shall email to the executive directorate of the festival a report on the competitions and applications of teams to be sent to the final competition in accordance with the quotas for each district or city. The report and application forms are provided in *Appendix No.8*.
- 8.2. The coaches of the teams admitted to the final competition upon the results of the qualification selection shall email their applications to the executive directorate before March 5, 2019. The application form is provided in *Appendix No.8*.

8.3. The coaches of the last year's competition winning teams shall email their applications to the executive directorate before February 1, 2019. The application form is provided in *Appendix No.8*.

8.4. The executive directorate of the festival shall enter all the data into the database of the final competition and places this information on the website [www.roboland.kz](http://www.roboland.kz).

8.5. After that, until March 12, 2019, a confirmation of participation in the final competitions will be sent to the team coaches.

8.6. The executive directorate has the right to refuse to invite a team to the final competition if the application does not meet the requirements of this Regulation.

8.7. Teams that have failed to submit applications within the specified period may not be admitted to the final competition.

8.8. Upon arrival to the final competition, a team has the right to make a substitution of no more than 1 participant in a team consisting of more than one person. In all other cases, no substitution is allowed.

8.9. All teams arriving to the final competition shall pass the registration process. The coach of each team shall submit to the secretariat of the competition in paper form the following:

- Application for participation, indicating the last name, first name and patronymic name of each team member who arrived to the competition, his/her IIN, date of birth, place of study or work, and the same information of the person responsible for accompanying minors. The application shall be certified by the signature and seal of the organization sending the team;
- Consent to the processing of personal data for each participant, signed by the official representatives of the participant or by the participant, if s/he is of full age. Samples of these documents are provided in *Appendix No. 8* hereto.

8.10. The competition participants and coaches shall have identification documents and present them during registration.

8.11. Teams will not be admitted if they do not have the required documents.

### **9. Panel of judges of the final competition**

9.1. The panel of judges of the final competition is appointed by the organizers of the competition, and at least 40 (forty) percent of the panel members shall be from outside Karaganda region.

9.2. The main judge of the competition and experts shall have experience in judging international competitions and meet the required qualification requirements.

9.3. Members of the panel of judges are provided with free accommodation and meals for three days, as well as compensation for travel to the competition venue and back.

9.4. The work of the panel of judges is organized in accordance with the Regulation on Judging, which is approved by the organizers of the festival.

9.5. A team coach cannot be a judge or a secretary of the competition in the same category in which his/her team participates.

9.6. Control and summarizing of the results is performed by the Chief Judge collegially with members of the panel in accordance with the Regulation of a particular category of competitions.

- 9.7. The judges have full authority throughout the competition.
- 9.8. Participants shall comply with their decisions.
- 9.9. If there are any objections to the decision of the judge, the team has the right to orally appeal this decision to the Executive Directorate before the end of the current round.
- 9.10. In specific cases, a panel of several judges may be gathered to make a decision, within a period determined by the Executive Directorate. The decision of the panel of judges is not subject to any appeal.
- 9.11. A replay can be carried out by decision of the judges if a robot could not finish the stage due to outside interference, or when a malfunction arose due to the poor state of the playing field, or due to an error made by the panel of judges, but no later than the end of the first round.
- 9.12. The judge can end the competition at his/her own discretion if a robot is unable to continue moving for 15 seconds.
- 9.13. Judges have the right to keep records in electronic, printed form and to make records in writing "by hand". Any such record is effective after it is signed by the members of the panel of judges.

## **10. Financing**

- 10.1. All costs related to the preparation and conduction of the final competition of the Festival are to be paid by its organizers.
- 10.2. Sponsor funds may be attracted for the organization of the Festival and the formation of the prize fund.
- 10.3. The cost of travel of team participants and representatives (coaches) to Karaganda and back, as well as meals, are to be paid by the sending organizations.
- 10.4. The organizers of the Festival provide transportation of teams from their place of stay in Karaganda to the competition venue and back in accordance with the schedule, if those places of stay are booked by the Organizers. If the participants stay in other places, as well as in cases outside the schedule, they get to the venue and back at their own expense.

## **11. Announcement of results and awards ceremony**

- 11.1. The prize fund is formed by the organizers and sponsors of the festival.
- 11.2. The winning team in each category is awarded with a robotics set, a cup and a certificate. The team members receive medals for first place, valuable gifts and certificates. The coach receives a medal for the first place and a certificate.
- 11.3. Teams that take 2nd and 3rd places in each category are awarded with a cup and a certificate. The team members receive medals for the 2nd or 3rd places, valuable gifts and certificates. The coach receives a medal and a certificate.
- 11.4. The sponsors and partners of the festival can provide special prizes.

## **12. Contact information.**

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