



Approved by  
Head of the Department of Education  
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**The REGULATION  
on the VII International Festival of Robotics,  
Programming and Innovative Technologies  
“ROBOLAND 2022”**

**Karaganda  
2022**

## **1. General provisions**

- 1.1 The International Festival of Robotics, Programming and Innovative Technologies “ROBOLAND 2022” (hereinafter - the Festival) is organized to promote the development of creative activities of students, shaping their engineering skills, popularization of educational robotics and programming, exchange of best practices and identification of the best teams.
- 1.2 The Regulation determines the procedure and conditions for the Festival and competitions held within its framework.
- 1.3 The official website of the Festival is [www.roboland.kz](http://www.roboland.kz).

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

- 2.1 Revealing and supporting talented school and university students in the field of robot engineering and programming, engineering sciences, programming, and other innovative educational technologies.
- 2.2 Popularization of scientific and technical creativity and raising the prestige of engineering professions among the youth.
- 2.3 Development of the youth’s skills in practical solving actual engineering and technical problems and working with technical equipment.
- 2.4 Encouraging the interest of children and youth in innovation and high technology.
- 2.5 Revealing, selecting, and supporting talented youth.
- 2.6 Encouragement of youth entrepreneurship in the field of innovation and high technology.
- 2.7 Assistance in the development of scientific-technical and engineering directions in the educational environment.
- 2.8 Provision of exhibition and competitive platforms for school and university students and their supervisors.
- 2.9 Creation of a favorable environment for sharing experiences among school and university students, teachers, and managers of educational organizations on the issues of educational innovative technologies.
- 2.10 Facilitating the professional development of teachers in teaching robotics, engineering sciences, and programming through the organization of training workshops during the Festival.
- 2.11 Increase in the number of professional teams on educational innovative technologies.

## **3. General provisions**

- 3.1 The Festival Organizer is the Department of Education of the Karaganda region.
- 3.2 All general issues on the preparation and holding of the Festival are dealt with by the Organizing Committee, the composition of authorized persons of which are approved by the Department of Education of the Karaganda region.
- 3.3 The Festival is an open event where representatives from any region of Kazakhstan can participate, as well as foreign participants.
- 3.4 The Festival program includes the following activities:
  - Exhibition of innovative educational technologies from schools, colleges, universities, private companies and other organizations;
  - Presentations of equipment and technologies on special platforms;
  - Thematic workshops, lectures, master classes for teachers, managers of educational organizations, resource teachers of district and city departments of education, school and university students, and parents of students;
  - Competitions on robotics, programming, and innovative technologies based on a variety of kits and platforms, including elimination competitions in districts and cities of the Karaganda region and final competitions;
  - Cultural and entertainment program for the final competition participants;
  - Events held as part of the “Karaganda Meetings” and “RoboLand” projects throughout the calendar year.



#### **4. Competitions in the Festival program**

- 4.1 The Festival competitions consist of two stages:
- Elimination competitions and Pre-selection;
  - Final competitions of the Festival.
- 4.2 The rules of the final competitions are regulated by the Policy for individual categories and this Regulation.
- 4.3 The rules of the elimination competitions for the categories included in the final competitions of the Festival should comply with the Policies and the Regulation of the Festival.
- 4.4 Team - a team of school and university students, post-graduates, and young specialists, led by the team coach, who are engaged in robotics classes. A team shall consist of:
- Coach, a. k.a. team leader - a team member over 18 years, who carries out the administrative management of the team, represents its interests at the Festival, as well as exercises control, and is liable for the proper conduct of all team members. The team coach does not directly participate in competitions.
  - Team captain coordinates the team members to achieve maximum results at the Festival competitions and represents the team in front of the judges and other teams. The maximum number of team members is specified in the Policies for each category and *Appendix No.1* to this Regulation.
- 4.5 One coach can lead more than one team.
- 4.6 There may be more than one team from one organization.
- 4.7 Each participant of the final competitions may take part only in one category.
- 4.8 The organizers of the elimination competitions may allow participants to compete in several categories.
- 4.9 The number and list of categories of the final competitions may be revised each year.
- 4.10 The number and list of categories of the elimination competitions are determined by their organizers independently in accordance with *Appendix No.2*.
- 4.11 The Festival events are held during the academic year from September to May.
- 4.12 The final competitions are held every year during the vacation time for students.

#### **5. Organization of the RoboLand 2022 elimination competitions**

- 5.1 The elimination competitions allow teams from educational organizations, educational centers, clubs, NGOs, as well as self-organized teams that do not represent any organization.
- 5.2 Elimination competitions can be district, city, and regional. Before that, preliminary competitions may be held in educational organizations.
- 5.3. In the Karaganda region, elimination competitions are held in cities and districts by the relevant divisions of education.
- 5.4. In districts, cities, regions of other parts of Kazakhstan, as well as in foreign countries, the organizer of elimination competitions may be not only public, but also non-governmental or private organizations.
- 5.5. To obtain the right to hold elimination competitions, their organizers should send an application for elimination competitions (*Appendix No.6*), including the list of competition categories and the dates, to the Festival organizers at [info@roboLand.kz](mailto:info@roboLand.kz). The organizers of the Festival will consider the application and confirm or reject it within a week.
- 5.6. The organizers of elimination competitions, who received confirmation, have the following rights:
- To use the RoboLand logo and trade name throughout the year;
  - To send the winners of their competitions to the final competitions of the Festival in accordance with the distribution list;

- To receive promotional products of the Festival in the amount approved by the Festival organizers;
  - To post information about their competitions, the best students and teachers at the website roboland.kz and on social networks of the Festival;
  - To enjoy information support of the Festival;
- 5.7. The organizers of elimination competitions, who received confirmation, are required:
- To carry out elimination competitions within the dates specified in the application;
  - To submit the final report about the competitions (*Appendix No.6-3*), indicating the categories chosen for participation in the final competitions, to the Festival organizers . The report shall be submitted no later than one week after the end of the competition;
  - To place logos determined by the Festival organizers at the venue of the competitions.
- 5.8. The procedure for the elimination competitions, registration, and admission to them shall be determined by the organizers on their own in accordance with this Regulation and the Policies of the Festival. The list of recommended categories for the elimination competitions is given in *Appendix No.2*.
- 5.9. When conducting elimination competitions, the division of categories by level of preparedness of teams is obligatory; the competitions shall be held with the involvement of the beginning-level participants.
- 5.10. All costs for the organization of elimination competitions shall be covered independently by the relevant education divisions.
- 5.11. The number of teams allowed from each district and city to the final competition by results of the preliminary ones is specified in *Appendix No.3*.
- 5.12. The panel of judges of the elimination competitions is determined by the decision of their organizers.
- 5.13. The deadlines for applications and dates for elimination competitions are published on the website of the Festival.

## **6. Organization of qualification selection for the “RoboLand 2022” final competitions**

- 6.1. Quotas in the elimination competitions based on the qualification selection for the final competition of the Festival shall be granted to the following teams:
- Regional schools of the Karaganda and Ulytau regions;
  - Colleges of the Karaganda and Ulytau regions;
  - Higher education institutions of Kazakhstan;
  - Nazarbayev Intellectual Schools;
  - Educational organizations of the regions of Kazakhstan which do not conduct qualifying competitions;
  - Educational centers, clubs, NGOs of Kazakhstan;
  - Foreign organizations;
  - Teams participating in social or rehabilitation projects.
- 6.2. The procedure for the qualification selection - in accordance with *Appendices No.3* and *No.7* to this Regulation.
- 6.3. The deadline for submitting documents for the qualification selection is specified on the website of the Festival.

## **7. Organization of the “RoboLand 2022” final competition**

- 7.1. The “RoboLand 2022” final competition is held on **November 4-5, 2022, in Karaganda, Kazakhstan**. The day of the participants’ arrival is November 3, 2022. A brief program of the Festival is in *Appendix No.4*.
- 7.2. The list of categories of the “RoboLand 2022” final competitions and the number of teams allowed to compete there is in *Appendix No.1*. The organizers may change the quotas for



- categories with no prior notice to the participants or other persons and organizations but no later than 10 days before the start of the competitions. The teams registered before the closing of the quota are eligible to participate in the final competitions.
- 7.3. The following teams are allowed to participate in the final competitions:
- Winners of previous competitions of the “RoboLand 2021” Festival in the same category in which they plan to participate in the forthcoming competitions;
  - Winners and prize-winners of the elimination competitions of the Festival according to the number of teams allowed;
  - Teams that passed the qualifying selection.
- 7.4. The age of the final competition participants is from 4 to 19 years. The limits of age groups for each category are stipulated in the Regulation and specified in *Appendix No.1* hereto.
- 7.5. Each team should have its own two power-line filters, a laptop with pre-installed software, and the necessary materials: a robot, a disk with programs, a stock of parts and components, spare batteries, accumulators, etc.
- 7.6. Programming language: no restrictions.
- 7.7. The Organizing Committee reserves the right, if necessary, to make any amendments to this Regulation, its Appendices, and the Competition Policy. Information about the amendments is published on the the Festival’s official website not less than 10 days before the beginning of the Festival.
- 7.8. The Organizing Committee reserves the right to disqualify participants and teams for violations of the terms of the Festival, to nullify the competition results in the category where it was found that some judges or the panel of judges misused their authority.
- 7.9. In disputable and other situations, the Organizing Committee has the right to take the final decision, as well as to refuse to explain the reasons for the decision to the participants and/or other persons.
- 7.10. Robots and devices used in the Festival shall not cause any harm to the people around them, other robots and devices, or the competition fields.
- 7.11. At the time of the final competitions, participants shall be with badges provided by the Organizer. All team participants, except for the coach, shall wear uniform team T-shirts with the name or logo of the team.
- 7.12. By participating in the Festival, guests and team members agree that, at the Festival events, photos and videos can be shoot with no direct permission of the guests or team members, and the resulting materials can be edited and used by the organizers for informational and promotional purposes. Also, participants and guests of the Festival give consent to the processing of their personal data in accordance with the applicable legislation.
- 7.13. By participating in the Festival, team members agree that the Festival’s organizers or their partners may use descriptions of designs of robots that won in any of the categories in the preparation of guidance materials.
- 7.14. The Festival organizers are responsible for ensuring security during the final competitions. All issues related to personal security, the safety of property and intellectual property, and personal documentation shall be settled by participants of the Festival on their own.
- 7.15. Participants shall follow the requirements of the security officers.
- 7.16. Children under the age of 8 years must be accompanied by adults or be in groups and teams, accompanied by their coaches or authorized persons.

## **8. Admittance and registration for the final competitions**

- 8.1. The organizers of the elimination competitions shall send the report on the competitions and applications of the teams sent to the final competitions in accordance with the quotas for each district or city to the e-mail [info@roboLand.kz](mailto:info@roboLand.kz) within one week immediately after the elimination competitions. Report and application forms are in *Appendices Nos.8-1 and 8-2*.



- 8.2. The coaches of the teams allowed to the final competitions based on the results of the qualification shall send their applications to the e-mail of the Festival by the deadlines specified on the [roboland.kz](http://roboland.kz) website. The application form is in *Appendix No.8-2*.
- 8.3. The coaches of the winning teams of the last year's competitions shall send their applications to the e-mail of the Festival by the deadlines specified on the [roboland.kz](http://roboland.kz) website. The application form is in *Appendix No.8-2*.
- 8.4. The Festival organizers independently put all the data into the final competition database and post this information on the [roboland.kz](http://roboland.kz) website.
- 8.5. The coaches of the teams will receive the Confirmation of participation in the final competitions two weeks before the final competitions.
- 8.6. The Festival organizers may refuse teams the invitation to the final competitions if the application does not conform to the requirements of this Regulation.
- 8.7. Those teams that failed to submit applications within the specified period are not allowed to participate in the final competitions.
- 8.8. Upon arrival at the final competition, a team may substitute no more than 1 member in a team consisting of more than one person. In any other cases, no substitutions are allowed.
- 8.9. Every team arriving at the final competitions must complete the registration process. The coach of each team must submit the following paper documents to the Competition Secretariat:
- An application for participation containing the surname, first name, patronymic of each team member arriving at the competition, his/her date of birth, place of study or employment, and the same data of the person responsible for accompanying the underage persons. The application should be signed and sealed by the organization that sends the team;
  - A personal data processing consent for each participant, signed by the official representatives of the participant or the participant him/herself, if he/she is of legal age. Samples of these documents are in *Appendices Nos.8-3, 8-4, 8-5* hereto.
- 8.10. Competitors and coaches must obligatorily have their identity documents and present them at registration.
- 8.11. Teams are not allowed to compete if they do not have the required documents.

### **9. The panel of judges and the Appeals Committee of the final competitions**

- 9.1. The panel of judges of the final competitions and the Appeals Committee are appointed by the Festival's Organizing Committee by the results of the competitive selection of applicants.
- 9.2. The panel of judges consists of the Chief Judge of the competition, Deputy Chief Judge, and category judges. All members of the judging panel should have sufficient experience in judging and comply with the necessary qualifications requirements. The composition of the Appeals Committee may not include an organization which teams are participating in the competition.
- 9.3. Members of the panel of judges are granted free accommodation and meals for three days, as well as compensation for travel to the competition site and back.
- 9.4. The work of the panel of judges is arranged under the Regulation on Judging approved by the Organizing Committee of the Festival.
- 9.5. Team coach cannot be a judge of the competition in the same category in which his/her team participates.
- 9.6. The control and summing up is carried out by the Chief Judge collectively with the members of the panel of judges in line with the Policies of the particular category of the competition.
- 9.7. The judges have all powers throughout the competition. Participants must obey their decisions.
- 9.8. In the event of any disputes and disagreements with the judge's decision, the team, represented by the coach, may appeal to the Appeals Committee, but not later than the end of the current stage of the competition. The ruling of the Appeals Committee is not subject to appeal.
- 9.9. In some cases, a rematch can be appointed and held. In this respect, the judges are guided by the Competition Policies and have the right to appoint it in the following cases:
- when the robot has failed to complete the stage caused by outside interference;

- if the malfunction is due to a bad condition of the playing area;
- due to an error committed by the panel of judges, but not later than the end of the current stage of this competition;
- due to other reasons stipulated in the Category Policy.

9.10. If the robot is not active, the judge may withdraw the robot from the competition as per the Policy.

9.11. The judges are entitled to keep records in any medium (in electronic, printed form or in writing “by hand”). Any of such records shall have equal effect after being signed by the members of the panel of judges.

### **10. Financing**

10.1. All costs related to the preparation and conducting of the final competitions of the Festival are covered by the Organizer.

10.2. It is allowed to raise sponsor’s funds to organize the Festival and make up the prize fund.

10.3. All travel expenses of the participants and representatives of teams (coaches) to Karaganda and back, as well as costs for accommodation and meals of the participants, are covered by the seconding party.

10.4. The Festival organizers provide, in accordance with the schedule, the transportation of teams from their accommodation place in Karaganda to the competition site and back – in case that these accommodation sites are agreed with the Organizers. When the accommodation is in other places and off-schedule, the competitors shall get to the venue and back at their own expense.

### **11. Summing up and awarding**

11.1. The organizers and sponsors of the Festival form a prize fund.

11.2. The winning team in each category is awarded a cup and a diploma. The team members are awarded medals for the 1<sup>st</sup> place, gifts, and diplomas. The coach is awarded a medal for the 1<sup>st</sup> place, a gift, and a diploma.

11.3. The teams taking 2<sup>nd</sup> and 3<sup>rd</sup> places in each category are awarded a cup and a diploma. The team members are awarded medals for the 2<sup>nd</sup> or 3<sup>rd</sup> place, gifts, and diplomas. The coach is awarded a gift, a medal for the 2<sup>nd</sup> or the 3<sup>rd</sup> place, and a diploma.

11.4. Sponsors and partners of the Festival may establish special prizes.

### **12. Contact details**

Tel./Fax: +7 (7212) 41 51 94, Cell.: +7 776 251 04 22. WhatsApp: +7 776 251 04 22.

E-mail: [info@roboLand.kz](mailto:info@roboLand.kz). Website: [www.roboLand.kz](http://www.roboLand.kz)