

REGULATION

on the procedure for conducting the “Drone racing” competition within the framework of aviation competitions and determining the winners

GENERAL PROVISIONS:

Age of participants: 16–30;

Team composition – 1 person.

The competition is aimed at moving along a designated route from the “Drone-racing” field, passing obstacles along the route, and reaching the finish line.

Enterprises and organizations, the Ministry of Higher Education, Science and Innovations, the Agency for Innovative Development, the Youth Affairs Agency, higher education institutions, research institutes, military units and institutions may participate in the practical competition.

OBJECTIVES:

1.1 To improve the knowledge and skills of drone operators in their field of specialization.

1.2 To develop UUA technologies and learn to apply them in practice.

1.3 To demonstrate new inventions and innovations.

1.4 Development of UUA technologies and enhancement of innovations.

1.5 To identify the specialist “Best Advanced Drone Operator” during the competition.

PROCEDURE FOR CONDUCTING THE COMPETITION:

2.1 The competition is held in 3 stages: preparatory, qualifying and final.

2.2 At the preparatory stage, each participant performs flights along the route without taking time into account. During the flight, the technical capabilities and flight stability of the drone are determined.

2.3 At the qualifying stage, each participant performs 3 flights. The highest result obtained during the flights is taken into account. At this stage, the competition requires the participant to perform the flight within a short time without violating the established requirements along the route.

2.4 The participant who passes the obstacles along the route in the prescribed manner, without causing damage to the drones and performing the flight in the shortest time, achieves the highest result and advances to the next stage.

2.5 Based on the results of the qualifying stage, the 5 participants who show the highest results receive a pass to the final stage.

2.6 At the final stage, each participant performs 3 flights. The highest result

obtained during the flights is taken into account. At this stage, the competition requires the participant to perform the flight within a short time without violating the established requirements along the route.

2.7 Participants who pass the obstacles along the route in the prescribed manner, without causing damage to the drones and performing the flight in the shortest time, take 1st, 2nd and 3rd prize places in the competition.

TECHNICAL REQUIREMENTS FOR THE DRONE

3.1 The drones must be equipped with a video camera and a video transmitter device, and the participant must control the drone through video goggles;

3.2 If it is not possible for the participant to participate with his/her own drone, drones may be provided by the organizer.

JUDGING PANEL

4.1 The Judging Panel is formed by the Organizing Committee and monitors compliance with the rules during the competition.

4.2 The Judging Panel performs the following tasks:

Ensuring compliance with the rules.

Making final decisions in disputed situations.

Assessing the compliance of participants with the technical requirements.

4.3 The decision of the judges is considered final and is not subject to review.

EVALUATION CRITERIA AND AWARDING OF WINNERS

The evaluation of competition participants is carried out in accordance with Appendix 1.

5.2 Participants perform one flight each along the designated route.

During movement, penalty points are applied for each rule violation: if the drone goes off the route, 5 points are deducted;

if it does not completely pass the obstacle according to the established condition, 5 points are deducted;

if it touches the obstacle, 3 points are deducted;

if the drone crashes, 5 points are deducted and the flight is stopped.

ADDITIONAL RULES

6.1 Special rules and regulations of the competition are announced through the official website.

6.2 The Organizing Committee has the right to make amendments to the

competition regulations.

6.3 In cases not предусмотренные by this Regulation, the decision of the Organizing Committee shall prevail.

Evaluation criteria for competition participants

Participant: _____

No. Name of obstacles Points Result

1. 1st obstacle start. Flying through the inside of a rectangular shape 10
2. 2nd obstacle. Passing in a serpentine shape between upright flags 15
3. 3rd obstacle. Flying through the inside of an arch-shaped form 10
4. 4th obstacle. Flying through the inside of a straight rectangular tunnel 10
5. 5th obstacle. Flying through the inside of a double circular shaped obstacle 15
6. 6th obstacle. Passing in a serpentine shape between upright flags 15
7. 7th obstacle. Flying through the inside of a double circular shaped obstacle 15
8. 8th obstacle finish. Flying through the inside of a rectangular shape 10
9. Penalty points

Total: 100

Commission member Signature

**This Regulation may be amended at least 30 days before the start of the competition. The updated Regulation shall, in turn, be provided to all registered participants.*