



Rules for the Drone Obstacle Course Competition

General Competition Rules

- Pre-competition regulations: Registered drones must remain in the designated registration area and cannot be moved out. Players may only retrieve their drones to the competition field when their teams turn to compete is called, and no drone replacement is permitted during transit.
- Any team member who fails to complete registration after being called out three times by the referee will be deemed to have voluntarily forfeited their right to participate.
- The order of appearance in the competition will be announced by the organizing committee.
- All participants must comply with the competition rules and the referees decisions. Any objections to the referees ruling must be raised by the instructor or team leader at the venue to the referee of the respective event, who will make an on-the-spot decision and report it to the chief referee for confirmation. Post-competition appeals must only address scoring errors. Once the event concludes, the organizers will not accept any form of appeal.
- This competition does not feature video replay or a review panel. All results are determined by the on-site chief referee and subject to final confirmation by the chief referee.
- The Chief Referee of the Competition shall be responsible for interpreting the relevant rules. Participants who fail to comply with these regulations are not permitted to register. Any questions regarding the rules or regulations must be submitted in writing (or via email) by the team leader to the organizing committee at least two weeks prior to the event date. Late submissions will not be accepted.
- All registration details for participating teams, including instructors names and athletes names, must be confirmed before the competition registration. No changes will be accepted after registration.

Unmanned aircraft specifications

- It can operate within a space of 10 meters long, 6 meters wide and 2.5 meters high.
- Protective measures must be in place to prevent collisions between the aircraft rotor (or any propulsion system).
- The drones wheelbase must be under 250mm.
- The drone and its accessories must not exceed 250 grams.
- Each participating team must select two drone models suitable for the challenge category. Only drones that have passed the competition qualification can be used in the event.
- Unmanned aircraft motors have no limitations regarding carbon brushes or brushless systems.



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rules of competition

- Each team gets two flight opportunities. During each attempt, the team selects one different member to position the aircraft at the designated H takeoff point and remains in that area on standby. The flight commences when the referee blows the whistle, marking the start of the mission competition.
- Each team has two competition opportunities, and players must be substituted to determine the ranking based on the better performance.
- The athlete parks the drone at the green H takeoff point and activates the remote control upon hearing the referees takeoff whistle.
- The aircraft must sequentially traverse 10 obstacle rings along the designated path during flight, landing at the red H marker at the endpoint. These rings, with diameters ranging from 50 to 80 cm, are arranged in an irregular sequence.
- The drone must pass through each gate in the correct order. Each gate pass earns 10 points, with a total of 10 gates. The maximum score is 100 points.
- Drones must pass through obstacle rings in sequence. If a drone fails to pass a ring in sequence, it cannot backtrack to pass it again after completing the next level, and that level will not be scored.
- If a drone crashes without landing, it can continue flying to complete its mission.
- During drone flight, if the aircraft crashes and stops mid-flight, it is considered a failure. You may either forfeit the score and keep the current score, or attempt a re-flight. However, time continues to run, and the score will be determined by the re-flight attempt.
- In the event of a tie in points, the team with the shorter race time will win.
- The top three teams with identical scores and time will compete again in a playoff to determine their final rankings.



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