



20 22

REC FOUNDATION EVENT PARTNER SUMMIT

Event Standards

Jim Crane, Director of Competitions

Types of Events

VIQC, VRC, VEX U, Aerial Drone

- Scrimmages
- Skills Only
- Leagues
- Tournaments – Robot Skills, Judging, Invitationals
- Signature Events
- Event Region Championships
- National Championships
- World Championships



Should these be Allowed?

2022-2023 Event Guidelines

- Herobot Only Events – how much modification is allowed?
- Judging Only Events
- Skills & Judging Events
- Skills Only Leagues
- Other Ideas



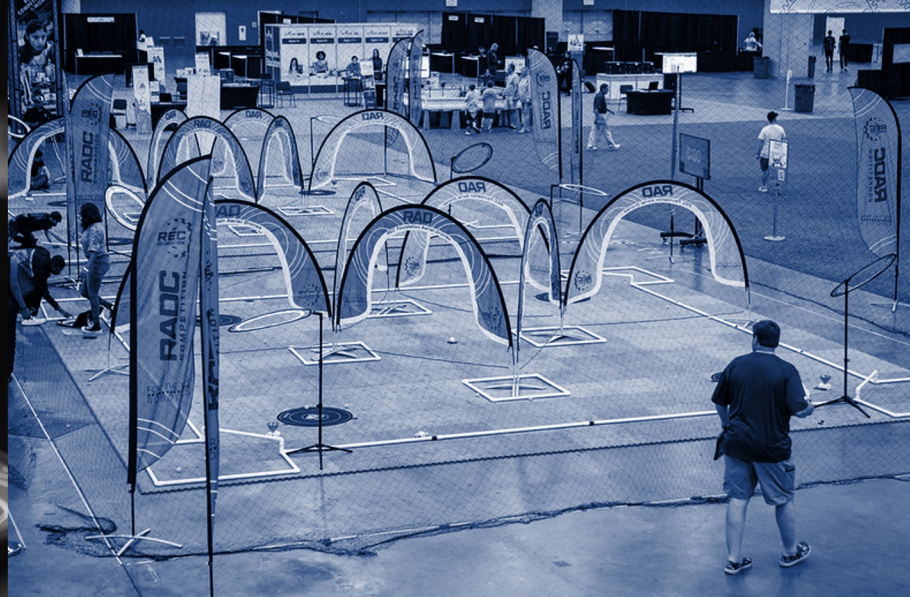


AERIAL *DRONE* COMPETITION



COMPETITIONS





AERIAL **DRONE**
COMPETITION



Early September

2022-2023 Game Reveal

October

Workshops and Scrimmages

November - March

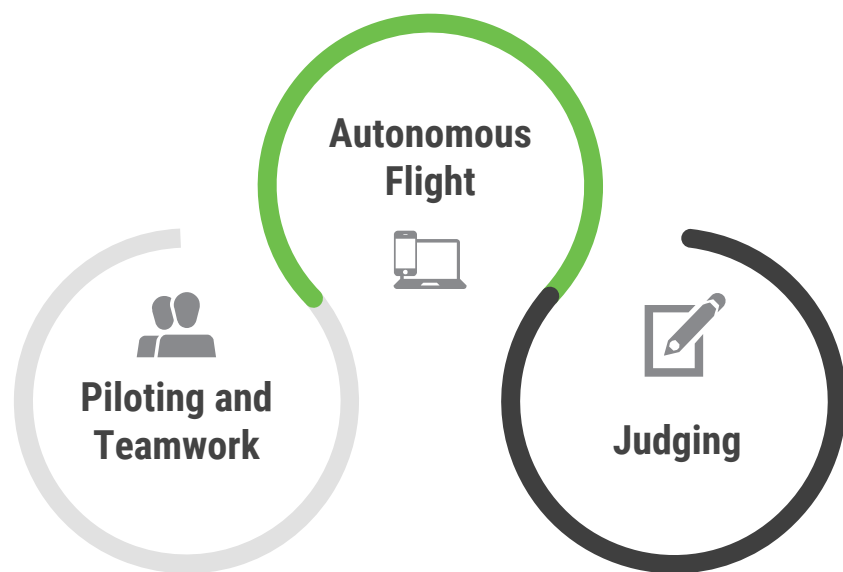
Local Tournaments

March - June

Championship Events



Competitions are open to Middle School and High School students who compete in Local and National Events.



Three Competitions - One Event



Piloting and Teamwork

Drones are piloted by students in 2v2 matches. Alliances work together to maximize their score against their opponents in a 2 ½ minute match.



Autonomous Flight

Drone is programmed by students to operate entirely autonomously. Each team competes alone to score as many points as possible in a 1-minute match.



Judging

Teams talk with Judges about their Drone, Programming and Competition Logbook.

Aerial Drone Competition

Events are similar to VEX Events

Aerial Drone Competitions set up like a VEX IQ Competition, but runs more like a VRC Competition.

Similarities

- Uses Tournament Manager and Mobile Scoring App
- 2v2: 2 Red Alliances, 2 Blue Alliances
- Qualifying Matches, Alliance Selection and Finals
- Autonomous Flight Matches - similar to Programming Skills
- Competition Logbook - similar to Engineering Notebook
- Judged Awards - Excellence, Flight Operations, Programming, Inspire and Judges Awards
- New Challenge Each Season



Aerial Drone Competition

Events are similar to VEX Events

Aerial Drone Competitions set up like a VEX IQ Competition, but runs more like a VRC Competition.

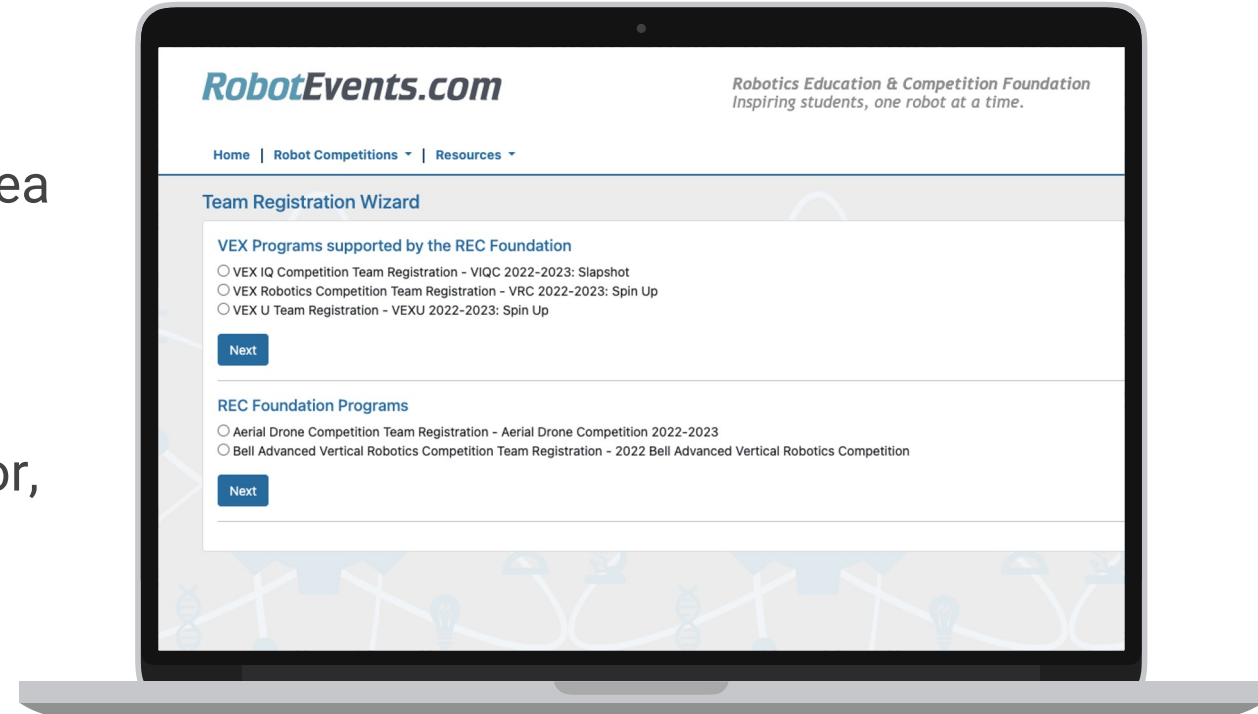
Differences

- 3 Different legal Drone Options
- Field is 28x28
- Longer matches, 2.5 minutes
- Max number of teams using one field is about 20 teams.
- Qualifying Matches are entirely piloting (no autonomous)
- Currently no Referee, Judge or EP certification required as we develop this program.
- Currently no EP Discounts for fields or trophies, but we are actively looking for sponsors and opportunities.

How can you Help?

Support the Community

- Host an Aerial Drone Competition in your area
- Offer to have New Aerial Drone Competition Event Partners and Key Volunteers at your robotics event to train with your TM Operator, Judge Advisor and Referees
- Attend an Aerial Drone Competition, by volunteering and supporting new volunteers and new event partners



Register for events now at [RobotEvents.com](https://www.robotevents.com)



AERIAL **DRONE** COMPETITION



CONTACT US

New teams are being added monthly! Find out how to start teams in your area.

email

drones@roboticseducation.org





Things to Learn

Did you know this was a thing?

- Using Webserver at Events
- Multi-Divisional Events
- VIQC – Using 1 Field Timer for 2 Fields
- Award Ceremony Slideshow
- Trailers in your area
- Certifications



THANK YOU

20  22
REC FOUNDATION
EVENT PARTNER
SUMMIT