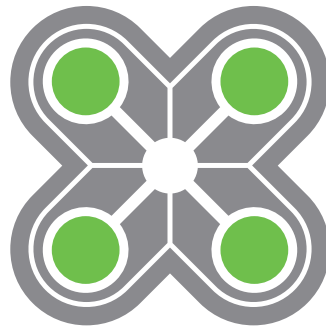




AERIAL **DRONE** COMPETITION



JUDGED AWARD DESCRIPTIONS & CRITERIA

The following pages provide award descriptions and list key criteria for each award and are useful in guiding the judges' deliberations.

Event partners/judge advisors may wish to print these descriptions and then laminate them or place them in plastic sheet protectors for use at multiple events.

Not all events will give out all awards. Each judge advisor should consult with their event partner to determine which awards will be presented at an event.



ALL-AROUND CHAMPION

The All-Around Champion recognizes a team that excels in both the judged award and performance award categories. This team demonstrates outstanding competition performance, high quality written and verbal communications skills and exemplary team conduct, sportsmanship, and professionalism. This team is committed to excellence in everything they do.

KEY CRITERIA:

- Be at or near the top of the team interview rubric rankings
- Be ranked in the top 50% of qualification rankings at the conclusion of qualifying alliance/teamwork matches
- Be ranked in the top 50% of solo mission rankings at the conclusion of solo autonomous flight and solo piloting matches
- Participation in both the solo piloting mission and the solo autonomous flight mission is required, with a score of greater than 0 in each mission
- Be at or near the top of Competition Notebook Rubric rankings
- Submission of a competition notebook is required
- Be a candidate in consideration for other judged awards
- Exhibit positive team conduct, good sportsmanship, and professionalism



COMMUNICATIONS MISSION CHAMPION

The Communications Mission Champion recognizes a team that demonstrates an organized, systematic, and professional approach to written and verbal communication, as demonstrated through their team interview and competition notebook.

KEY CRITERIA:

- Be at or near the top of team interview rankings
 - Exhibit a high-quality team interview
 - Team interview demonstrates effective communication skills, teamwork, and professionalism
 - Team interview demonstrates students' ability to explain their alliance/teamwork mission, solo autonomous flight mission, and solo piloting mission strategies
- Be at or near the top of competition notebook rankings
 - Submission of a competition notebook is required
 - Competition notebook demonstrates clear, complete, and organized records
 - Competition notebook includes documentation of programming that includes multiple iterations
- Competition notebook and team interview demonstrate student-centered ethos
- Team demonstrates effective management of time, talent, and resources



JUDGES AWARD

The Judges Award recognizes a team that the judges felt were deserving of special recognition.

CRITERIA TO CONSIDER FOR THE JUDGES AWARD ARE:

- Exhibits a high-quality team interview
- Team displays special attributes, exemplary effort, and perseverance at the event
- Team overcomes an obstacle or challenge and achieves a goal or special accomplishment
- Team interview demonstrates effective communication skills, teamwork, professionalism, and student-centered ethos



CODING AWARD

The Coding Award recognizes the team with the most effective and consistent use of coding techniques and programming design solutions used in the solo autonomous flight mission. This award is earned by a team that demonstrates a solid understanding of programming concepts and documented multiple iterations to find programming solutions.

KEY CRITERIA:

- Participation in the solo autonomous flight mission is required, with a score of greater than 0.
- Competition notebook demonstrates a clear, complete, and organized record of the programming management process, including version history.
 - Programs are cleanly written, well annotated, and documented in the competition notebook.
 - Strategies are well documented from initial conception to execution.
- Students demonstrate an understanding of programming concepts and can explain how they worked together to develop their drone's programming.



AIRMANSHIP AWARD

The Airmanship Award is awarded to a team that consistently exhibits good judgment, demonstrates well-developed skills to accomplish mission objectives, and is dedicated to understanding and maintaining drone safety rules and regulations.

KEY CRITERIA:

- Team demonstrates knowledge and understanding of all four missions, their purpose, and how they connect with one another
- Team demonstrates understanding of, and maintains situational and safety awareness
- Team demonstrates effective leadership skills, communication skills, teamwork, and professionalism
- Team uses appropriate drone and/or aviation terminology where applicable
- Team members are aware of drone safety rules and regulations, which may include:
 - Completion of FAA Trust (US teams only)
 - Completion of Robolink's "Getting Started" course
 - Pre- and post-flight checklists
 - Flight logs
- Team exhibits integrity and goodwill towards other teams, coaches, and spectators
- Team demonstrates a student-centered ethos