









Role	Description	Activity	Experience	Skills
Head Referee	Organize and oversee all Referee/Scorekeepers. Interpret and consistently enforce the rules of the game to score the match upon completion and is the final authority for any disputes or rulings. Train Referees/Scorekeepers as needed.	<p>HIGH PHYSICAL ACTIVITY LEVEL Constant standing (or walking)</p>	<p>EXPERIENCE LEVEL Advanced</p>	<ul style="list-style-type: none"> • Previous referee experience is preferred. • Apply knowledge of the game and rules • Lead a team effectively • Interact positively with students and coaches • Arbitrate disputes fairly and quickly deescalate arguments
Judge Advisor	Organize and oversee all Judges. Ensure judging is done in compliance with the Judge Guide. Train new judges.	<p>MODERATE PHYSICAL ACTIVITY LEVEL Mix of sitting and walking</p>	<p>EXPERIENCE LEVEL Intermediate</p>	<ul style="list-style-type: none"> • Organize and oversee the judging process at an event. • Solicit, assign and train the Judges to prepare them for an event • Ensure correct award winners are uploaded to Tournament Manager and manage presentation of awards • Protect the confidentiality of the judging process.
Hangar Chief	Check Drones in and out of the hangar. Assist with staging teams for upcoming matches.	<p>MODERATE PHYSICAL ACTIVITY LEVEL Mix of sitting and walking</p>	<p>EXPERIENCE LEVEL Intermediate</p>	<ul style="list-style-type: none"> • No experience required • Communicate effectively • Attention to detail • Stay organized in fast-paced environment • Follow Instruction
Emcee	Provide the play-by-play during the tournament and informative program knowledge between matches. Add enthusiasm and energy, as well as a high level of engagement and understanding, for all event participants.	<p>HIGH PHYSICAL ACTIVITY LEVEL Constant standing (or walking)</p>	<p>EXPERIENCE LEVEL Advanced</p>	<ul style="list-style-type: none"> • Experience is preferred but not required • Outgoing and charismatic communication style to engage and energize the audience • Work as a team with other volunteers • Think quickly and improvise
Volunteer Check-in	Welcome volunteers and guests. Verify schedule, hand out materials, direct volunteers to appropriate locations. Answer basic questions. Can be a fast-paced role.	<p>MODERATE PHYSICAL ACTIVITY LEVEL Mix of sitting and walking</p>	<p>EXPERIENCE LEVEL Beginner</p>	<ul style="list-style-type: none"> • No experience required • Attention to detail • Communicate effectively • Comfortable using a computer
Team Check-in	Welcome teams as they arrive. Verify teams, hand out materials, and collect Engineering Notebooks. Answer basic questions.	<p>MODERATE PHYSICAL ACTIVITY LEVEL Mix of sitting and walking</p>	<p>EXPERIENCE LEVEL Beginner</p>	<ul style="list-style-type: none"> • No experience required • Attention to detail • Communicate effectively • Comfortable using a computer
Judge	Evaluate student teams through interviews, Engineering Notebooks, and on the field performance. Present awards as needed.	<p>MODERATE PHYSICAL ACTIVITY LEVEL Mix of sitting and walking</p>	<p>EXPERIENCE LEVEL Intermediate</p>	<ul style="list-style-type: none"> • Prefer some judging experience but not necessary • Attention to detail • Be impartial • Communicate effectively

Role	Description	Activity	Experience	Skills
Queue Inspector	Conduct inspections to verify the drones comply with the rules and specifications outlined in the Game Manual before and after each match. Then direct the team to the field at the proper time.	 <p>MODERATE PHYSICAL ACTIVITY LEVEL Mix of sitting and walking</p>	 <p>EXPERIENCE LEVEL Intermediate</p>	<ul style="list-style-type: none"> • Basic knowledge of RADC Drones and parts, not mandatory • Collaborate with others as a team • Attention to detail • Follow inspection checklist (provided)
Scorekeeper Referee	Record scores using paper score sheets or tablets. Verify recorded scores with the Head Referee as needed and with the student pilots after each match. Discuss possible rule violations with the Head Referee after the match. Ensure the field is reset and robots are ready for the next match.	 <p>HIGH PHYSICAL ACTIVITY LEVEL Constant standing for walking</p>	 <p>EXPERIENCE LEVEL Intermediate</p>	<ul style="list-style-type: none"> • Experienced volunteers preferred however; Scorekeeper Referees can be new volunteers and trained quickly • Apply knowledge of the game and rules and be impartial • Attention to detail • Work effectively as a member of a team • Interact positively with students
TM Operator	Use Tournament Manager software to initiate matches and record scores. Coordinate with the Emcee on displaying of match results at appropriate times.	 <p>LOW PHYSICAL ACTIVITY LEVEL Mostly sitting</p>	 <p>EXPERIENCE LEVEL Intermediate</p>	<ul style="list-style-type: none"> • Experienced volunteers are preferred, but new volunteers can be trained in advance • Comfortable using a computer • Attention to detail
Field Reset	Accurately reset the competition field after each match and assist the Field Manager or Head Referee as needed. Note students with high energy and younger children do well.	 <p>HIGH PHYSICAL ACTIVITY LEVEL Constant standing for walking</p>	 <p>EXPERIENCE LEVEL Beginner</p>	<ul style="list-style-type: none"> • No experience is needed • Ability to review field diagrams to place game objects in correct location on the competition field • Move quickly around the field • Good listening skills

Staffing Plan

Volunteer Role	12 Teams	16 Teams	24 Teams
Head Referee	1	1	1
Judge Advisor	1	1	1
Hangar Chief	1	1	1
Emcee	1	1	1
Volunteer Check-In	1	1	1
Team Check-In	1	2	2
Judge	4	6	8
Queue Inspector	4	5	6
Scorekeeper Referee	2	2	2
TM Operator	1	1	1
Field Reset	4	4	4

