<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
<th>Activity</th>
<th>Experience</th>
<th>Skills</th>
</tr>
</thead>
</table>
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ![HIGH PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ![MIXED PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ![MIXED PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ![HIGH PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ![MIXED PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ![MIXED PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ![MIXED PHYSICAL ACTIVITY LEVEL](image) | ![EXPERIENCE LEVEL](image) | • Prefer some judging experience but not necessary  
• Attention to detail  
• Be impartial  
• Communicate effectively                                                                                                                                                                                                                                                                                                                                                           |             |                                                                                                                                                                                                                                                                                                                                                       |
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| 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. | ![Moderate Physical Activity Level](image) | Beginner | 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. | ![High Physical Activity Level](image) | Intermediate | 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. | ![Low Physical Activity Level](image) | Beginner | 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. | ![High Physical Activity Level](image) | Beginner | 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

<table>
<thead>
<tr>
<th>Volunteer Role</th>
<th>12 Teams</th>
<th>16 Teams</th>
<th>24 Teams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Referee</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Judge Advisor</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Hangar Chief</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Emcee</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Volunteer Check-In</td>
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<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Team Check-In</td>
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<td>2</td>
</tr>
<tr>
<td>Judge</td>
<td>4</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Queue Inspector</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Scorekeeper Referee</td>
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<td>2</td>
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</tr>
<tr>
<td>TM Operator</td>
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<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Field Reset</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>