



# CREATE Drones Challenge

## Referees / Judges Award Rubrics

### The Engineer Award

The Engineer Award will be given to a team that has designed and built mechanisms that balances creative and innovative design, function, and attention to detail. This team will have built mechanisms that are well-constructed and have attention to safety in both design and construction. The winner of this award will have engineered a quality solution to the challenge at all levels.

<u>Engineer Award</u>											
Team # _____	Developing			Proficient				Exceptional			<u>Score</u>
Quality is designed into the mechanisms. Attention is given to details. It is well constructed, robust, and clean.	1	2	3	4	5	6	7	8	9	10	
Creativity and innovation is demonstrated in both design and function.	1	2	3	4	5	6	7	8	9	10	
Mechanisms are designed and built with attention to safety. (Look for things like: no jagged sharp edges, add-on pieces attached firmly and effectively, team-built game mechanism free from sharp edges, all moving parts work safely and consistently, etc.)	1	2	3	4	5	6	7	8	9	10	
Inspection Score (0-10)											
<b>Notes:</b>	<b>Total Score:</b>										

## The Honor Award

This is the highest award presented by the CREATE Foundation. The recipient of this award is a team that is a model of integrity and honesty. They are determined, hardworking and honor the competition by competing to the best of their ability and honor the engineering process by their collaborative and creative work. This team excels in their Solo Flights, and Qualification and Elimination Races, interview with the referees/judges and their interactions with each other, other teams and tournament officials. They exhibit a desire to learn, share information and help others. This team not only designs quality into their team built mechanisms but into their team as well. **Team must finish within the top 50% of qualification rankings, and within the top 50% of Solo Flights, of all teams competing, in order to qualify for this award.**

(Honor Award winning team qualifies for the U.S. Open Robotics Championship)

<u>Honor Award</u>											
Team # _____	Developing			Proficient				Exceptional			Score
Quality and creativity are designed into the team built mechanisms.	1	2	3	4	5	6	7	8	9	10	
Team is determined, hardworking, and has great desire for learning.	1	2	3	4	5	6	7	8	9	10	
Team displays honesty and integrity in their design and in their personal conduct.	1	2	3	4	5	6	7	8	9	10	
Team shares responsibilities among all members.	1	2	3	4	5	6	7	8	9	10	
Team demonstrates collaboration within their team and with other teams. Team members are happy to share information.	1	2	3	4	5	6	7	8	9	10	
Team competes to the best of their ability and excels in the game. Team must finish within the <b>top 50% in</b> qualifications in order to qualify for this award.	1	2	3	4	5	6	7	8	9	10	
Team excels during interactions with referees / judges, officials, other teams, and with each other.	1	2	3	4	5	6	7	8	9	10	
Team demonstrates understanding of real world connections to the theme of the game, including scientific principles.	1	2	3	4	5	6	7	8	9	10	
Inspection Score (0-10)											
<b>Team has finished in the top 50% of Solo Flights and Qualification Rankings.</b>											If NO, then final score is zero.
<b>Notes:</b>	<b>Total Score:</b>										