

**Is Your Drone Legal?**

# Why all the rules?

The intent of the game design committee is that we will have a truly exciting End Game with paper airplanes being launched off the field toward the audience. This means the drones must **LOOK** like paper airplanes.

We know that teams like to push the envelope of the rules to improve their chances of winning but in this case, we are going to ensure the intent of the rule, not just the words, are followed.



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# How to use this document:

This document is a visual aid for teams to assist in determining what are considered legal and illegal drones. Teams should be sure to read through the Game Manual Part 1 – Section 7.5 prior to constructing their drone.

Teams that have questions about a particular type of drone and its legality may upload an image of the drone to the link on the next page. You will **not** receive a direct response to your uploaded image. Images of drones that are determined to help with a general understanding of legality will be added to this document, and an updated document will be posted. When updated, *FIRST* Tech Challenge will communicate the update to teams via the team blast.



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# Rules for uploading :

1. Only images of drones are allowed to be uploaded via this link.
2. Only png, jpeg, or PDF file formats are allowed.
3. Please use the file format name with your team number, followed by “\_drone”
  - a. Example: 1234\_drone.jpeg
4. Please use *Gracious Professionalism*®. Misuse of this process will lead to termination of the link and no further updates will be made to this document.
5. Please use this [Link](#) to upload your Drone image.

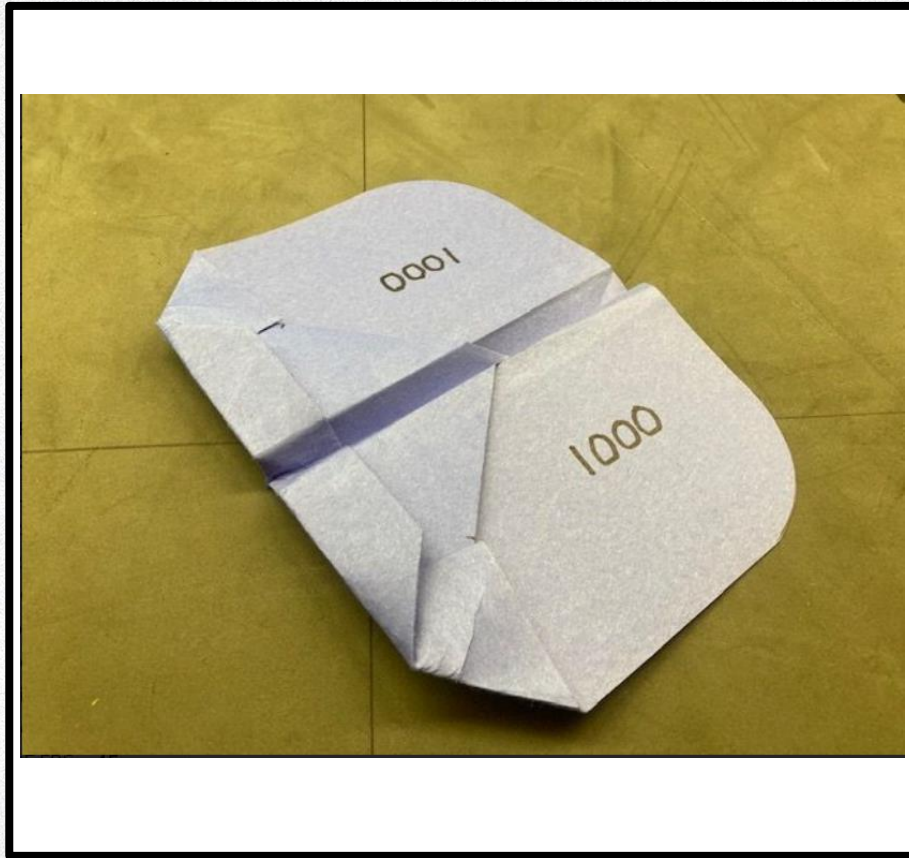


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# Legal Drones

Some examples of paper airplanes that will be allowed to play in Centerstage



<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used



# Illegal Drones

Some examples of paper airplanes that will be allowed to play in Centerstage





<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number

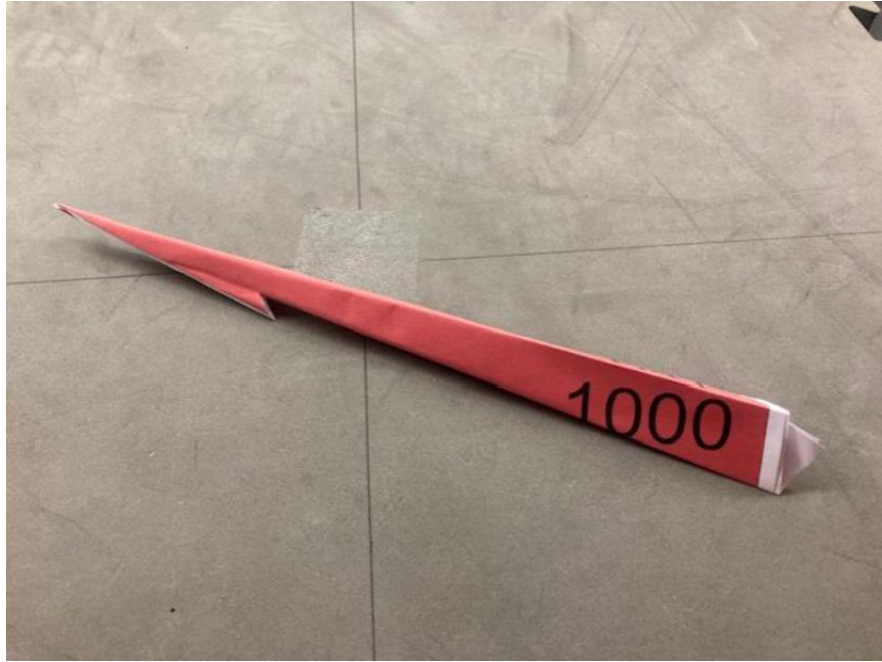


<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: This has only a fuselage, there are no functional wings.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: Does not look anything like a paper airplane. It has no fuselage or wings.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: Does not look anything like a paper airplane. Only has a circular wing, there is no fuselage.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: Looks cute but has no functional wings.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: Does not look like a traditional paper airplane and does not have a fuselage

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number

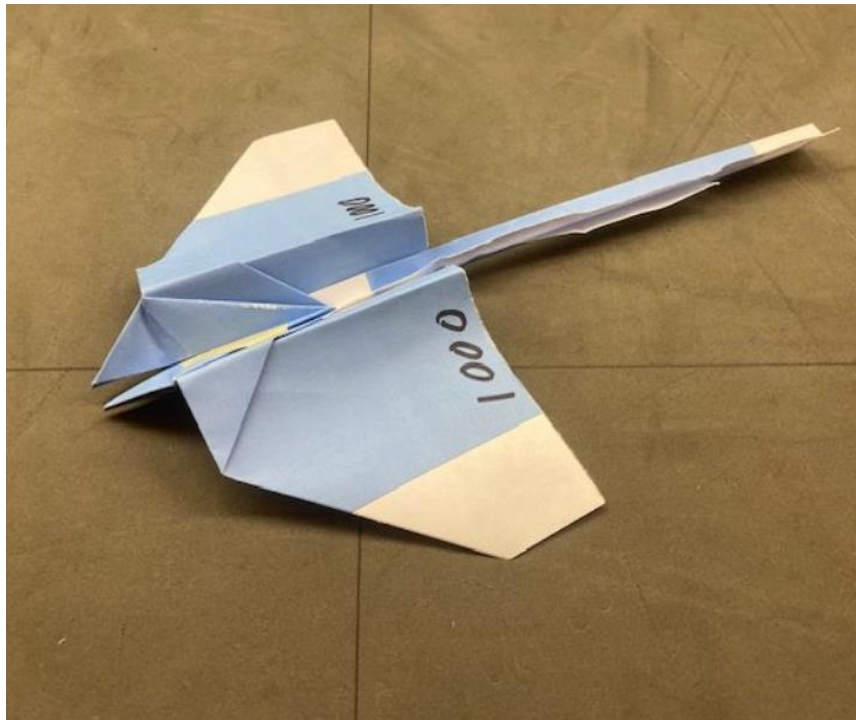


<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: This was made from two separate pieces of paper.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number

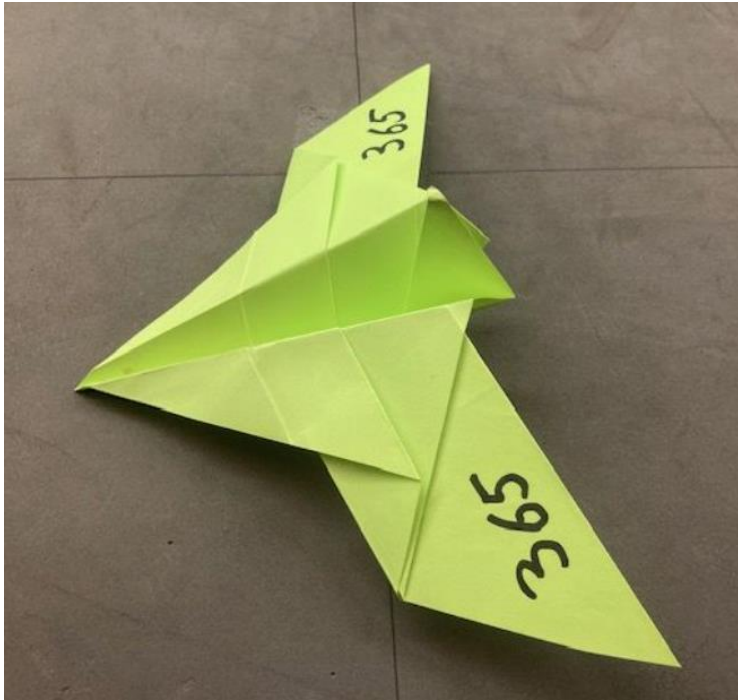


<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: The airplane must be red or blue. Green is not acceptable.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used







Reason for failure: This does not look like a traditional paper airplane and does not have functional wings.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: This does not look like a traditional paper airplane and does not have a fuselage

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: This does not look like a traditional paper airplane and does not have a fuselage

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number

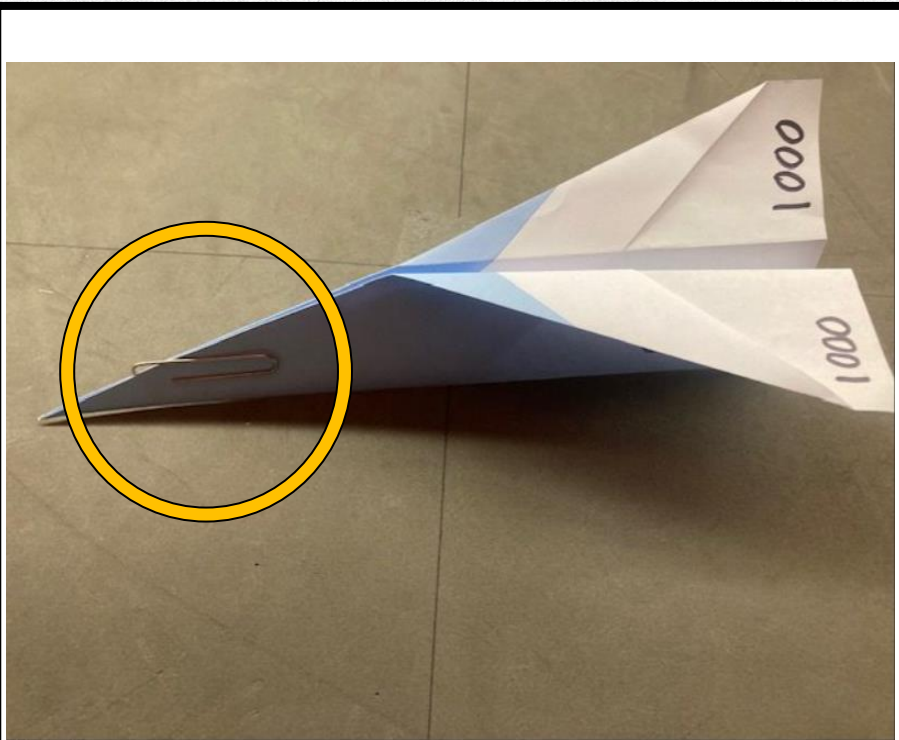


<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: The paperclip on the nose is an illegal material.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number

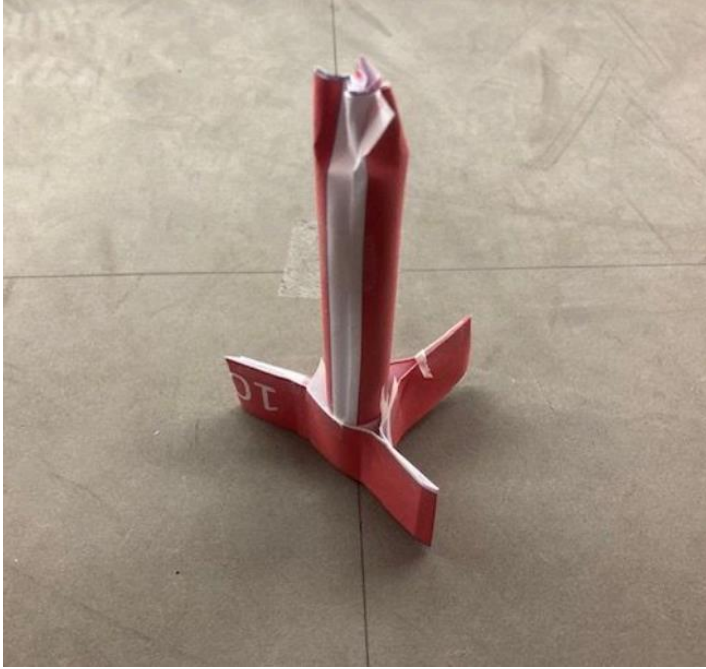


<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used





Reason for failure: Made from several separate pieces of paper, uses tape to hold it together, and doesn't look like a traditional paper airplane.

<DR01>b. – Must look like a paper airplane, with fuselage and wings



<DR01>c. – Color must match Alliance



<DR01>d. – Drone must be labeled with Team number



<DR01>e.i. – Must be made from one, continuous sheet of paper. No bigger than 8 ½ x 11 or A4.



<DR01>e.iv. – No other materials may be used

