

Team Number: C School & Team Name: _____

Student Names: _____

PLANE A PLANE B ← CHECK-IN (UP TO 2 AIRPLANES)

Construction & Competition Parameters:

T	F	T	F	3.a. If kits are used, the airplane does not contain any pre-glued joints or pre-covered surfaces.
T	F	T	F	3.b. Boron filaments are not used in the construction of the airplane.
T	F	T	F	3.c. Total airplane mass throughout flight (excluding rubber motor) \geq 8.00 g.
T	F	T	F	3.d. The wing(s) have horizontally projected wingspan \leq 45.0 cm and wing chord \leq 9.0 cm.
T	F	T	F	3.d. The horizontal stabilizer has horizontal projected span \leq 28.0 cm and chord \leq 7.0 cm.
T	F	T	F	3.e. The diameter of the propeller is \leq 24.0 cm.
T	F	T	F	3.e. Variable-pitch propellers that include mechanisms to actively change the blade diameter or angle are not used.
T	F	T	F	3.f. A rubber motor (\leq 1.50g including all attachments) is the sole power for the airplane after release.
T	F	T	F	3.h. The airplane is labeled so that the Event Supervisor can easily identify to which team it belongs.
T	F	T	F	5.b. Participants do not receive outside assistance, materials, or communication once they enter the cordoned off competition area to practice, to trim, for inspection, or to compete.
T	F	T	F	5.l. Participants do not steer the airplane during flight.
<u>1. T</u>	<u>F</u>	<u>3. T</u>	<u>F</u>	PLANE MEETS ALL CONSTRUCTION AND COMPETITION PARAMETERS ABOVE

Bonus:

<u>2. T</u>	<u>F</u>	<u>4. T</u>	<u>F</u>	6.c. The airplane has the entire surface of the wing between at least 2 ribs or at least one of the wingtip fences completely completely marked with black marker or black tissue, or the whole surface is black if no ribs are present.
<u>5. T</u>	<u>F</u>			6.b. Is the first airplane flight, trim or official, launched within 3 minutes of the return of motors?

FLIGHT LOG

6. Complete Incomplete (10% deduction) Not present (30% deduction)	4.a-c. Is flight log complete, incomplete or not present? (Circle one). <i>A complete Flight Log must include the following:</i> - Materials used to construct the plane - A labeled diagram or picture that identifies and describes the parts - Appropriate metric units for all numerical values - A front cover labeled with the Team Name and Number for the current tournament - Recorded data covering \geq 6 parameters (3 required, \geq 3 additional) for \geq 10 test flights - Info from 4.c. if a 3-D printer, laser cutter, CNC machine or similar device was used
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1ST FLIGHT

7. A B
8. ____:____.____
9. ____:____.____
10. ____:____.____

2ND FLIGHT

11. A B
12. ____:____.____
13. ____:____.____
14. ____:____.____

← OFFICIAL FLIGHTS (IN 8 MIN.)

Which airplane from above was used?

Timer 1

Timer 2

Timer 3

← Flight Times
(minutes:seconds)

16. T F General Rule: The team is disqualified. (Notify the team and their coach as soon as possible.)