

Team Number: C _____ Team Name: _____

Student Names: _____

CHECK-IN: (Up to 2 Airplanes)

Airplane A	Airplane B	Construction Parameters and 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) ≥ 8.00 g.
T	F	T	F	3.d. The wing(s) have horizontally projected wingspan ≤ 30.0 cm, and wing chord ≤ 8.0 cm.
T	F	T	F	3.d. The horizontal stabilizer has ≤ 12.0 cm horizontal projected span and chord ≤ 6.0 cm.
T	F	T	F	3.e. The diameter of the propeller is ≤ 8.0 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 of any mass 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	2.c. Students are able to answer questions regarding the design, construction, and operation of the device.
T	F	T	F	4.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	4.m. Participants do not steer the airplane during flight.
1. T	F	3. T	F	PLANE MET ALL CONSTRUCTION AND COMPETITION PARAMETERS ABOVE

Bonus

2. T	F	4. T	F	5.c. The airplane has the surface of the wing between at least 2 ribs of the leading and trailing edges or at least one of the wing tip fences completely marked with black marker or black tissue or the whole surface is black if no ribs are present.
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Flight Log

5. Complete	5.e-f. Is flight log complete, incomplete or not present? (Circle one)	
Incomplete (10% deduct.)	<i>Complete means including 6 or more parameters (including motor size before windup, number of turns on the motor or torque at launch, and flight time) for 10 or more test flights prior to the competition.</i>	
Not present (30% deduct.)		
6. T	F	5.b. Is the first airplane flight, trim or official, launched within 3 minutes of the return of motors?

OFFICIAL FLIGHTS: (Teams may use the same airplane for both flights)

1 st Flight		2 nd Flight		Which Airplane from above is this flight using?
7. A	B	11. A	B	
8. _____ min _____ sec	_____ min _____ sec	12. _____ min _____ sec	_____ min _____ sec	Timer 1
9. _____ min _____ sec	_____ min _____ sec	13. _____ min _____ sec	_____ min _____ sec	Timer 2
10. _____ min _____ sec	_____ min _____ sec	14. _____ min _____ sec	_____ min _____ sec	Timer 3
15. T	F	Bonus: The team uses the same airplane (all airplane components, except for the rubber band from the first flight, are used on the second flight) for both flights and on the first flight the airplane completes at least one orbit (360 degree horizontal turn) in either a clock wise or counterclockwise direction and the team makes adjustments to the airplane such that it completes at least one orbit in the opposite direction on the second flight. (If true, flight <u>times</u> will be added together for official score)		
16. T	F	General Rule: The team is disqualified (notify the team and their coach as soon as possible)		