ELASTIC LAUNCHED GLIDER B

Team Checklist – 2021

Rank: _____
Tier: _____
Final Score: _____

Team Number: B School & Team Name: _____

Student Names: _____

GLIDER A		GLIDER B		← CHECK-IN (UP TO 2 GLIDERS)
Construction Parameters:				
T	F	T	F	3.b. Glider does not use components with pre-glued joints or pre-covered surfaces.
T	F	T	F	3.c. Glider is constructed using only wood, foam, paper, plastic film, carbon fiber, tape, thread, glue and/or ballast. Any ballast is a malleable non-metallic substance.
T	F	T	F	3.e. The mass of the glider throughout the flight is > 3.0 g and < 10.0 g.
T	F	T	F	3.f. Wingspan does not exceed 28.0 cm at any time.
T	F	T	F	3.g. The blunt nose of the fuselage, when inserted into a lip balm cap, does not touch the end.
T	F	T	F	3.i. Glider is labeled so the Event Supervisor can easily identify the team to which it belongs.
1. T	**F**	**4. T**	**F**	**GLIDER MEETS ALL CONSTRUCTION PARAMETERS ABOVE**
Bonus:				
2. T	**F**	**5. T**	**F**	5.c. The glider's fuselage can straddle a 32 cm opening (i.e., longer than 32.0 cm)
3. T	**F**	**6. T**	**F**	5.d. The glider is flying in a canard configuration (smaller fore wing or horizontal stabilizer placed in front of the main or larger wing and there is no rear horizontal stabilizer).
		7. T	**F**	5.b. Team's first flight (trim or official) is launched within 1 minute after picking up their glider.

FLIGHT LOG

8. Complete
Incomplete (10% deduction)
Not present (30% deduction)

5.e-f. Is flight log complete, incomplete or not present? (Circle one)
Complete means including 4 or more parameters (including estimated/recorded peak flight height after launch, approximate length of elastic, flight time, and 3 additional) for 10 or more test flights prior to the competition.

1ST FLIGHT		2ND FLIGHT		3RD FLIGHT		4TH FLIGHT		5TH FLIGHT		← OFFICIAL FLIGHTS (IN 8 MIN.)
9. A	**B**	**14. A**	**B**	**19. A**	**B**	**24. A**	**B**	**29. A**	**B**	Which glider from above was used?
										Additional Parameters:
T	F	T	F	T	F	T	F	T	F	3.h. The launch handle(s) is/are < 1 m long in any orientation, supported completely by a participant, and of a safe configuration. The elastic used in the launch handle is non-metallic, is in contact with the glider throughout the launch, and remains on the launch handle.
T	F	T	F	T	F	T	F	T	F	4.b. Participants wear eye protection at all times and 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	T	F	T	F	T	F	4.g. Glider is launched from a launch handle by a single participant at floor level.
T	F	T	F	T	F	T	F	T	F	4.n. Glider is launched while aimed at the ceiling.
T	F	T	F	T	F	T	F	T	F	4.o. Participants do not steer their glider during the flight.
10. T	**F**	**15. T**	**F**	**20. T**	**F**	**25. T**	**F**	**30. T**	**F**	**FLIGHT MEETS ALL PARAMETERS ABOVE**
11. __:____.__		**16. __:____.__**		**21. __:____.__**		**26. __:____.__**		**31. __:____.__**		**Timer 1**
12. __:____.__		**17. __:____.__**		**22. __:____.__**		**27. __:____.__**		**32. __:____.__**		**Timer 2**
13. __:____.__		**18. __:____.__**		**23. __:____.__**		**28. __:____.__**		**33. __:____.__**		**Timer 3**

← **Flight Times** *(minutes:seconds)*

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

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