



REPORT REQUIREMENTS - Level III Certification

STC PRE-FLIGHT REVIEW CHECKLIST - Part 1 of 3

This is the information that the STC member will be checking for in determining the applicability of signing off on a project review.

1. GENERAL

- A. Is this member known to the STC reviewer?
- B. Does the proposed launch site and date have the appropriate recovery area and launch set-up for this flight?
- C. What are the mission goals?

2. ROCKET REVIEW

A. General

- a. Are there attachments to the Pre-Flight Data Capture?
- b. Drawings: airframe; structures; payloads, etc.
- c. Schematics: avionics, ignition systems, payloads, etc.
- d. Performance calculations: Centre of Pressure; Centre of Gravity, motor type, altitude, velocity, etc.

B. Airframe

- a. Is the design generally suitable for the application?
- b. Is the airframe material suitable for this rocket?
- c. Is the fin material/attachment sound?
- d. Is the motor mount sound?
- e. Is the nosecone suitable?
- f. Is it a staged rocket?
- g. Is it a clustered motor rocket?
- h. What are the most probable airframe faults and corrective actions?
- i. What are the safety implications of an airframe failure?
- j. Are there any design change recommendations?

