

Pre-Inspection of Aero Design 2020 Aircraft

For 2020, the rules require that each team completely inspect their aircraft carefully **before arrival** at inspection, using the inspection checklists posted on the Aero Design web site under Rules and Important Documents. The team's completed checklist must be presented at pre inspection and inspection, signed by the team advisor or teams captain, as required in the statement of compliance in Appendix A of the rules.

For 2020, we will again have one or two trained inspectors stationed at the entry to the Technical and Safety Inspection room that will use the following pre-inspection checklist to help quickly confirm that each team is ready for a complete inspection before being admitted to the inspection room.

All items below will be officially inspected in the inspection area after entry.

1. Teams must present their completely filled out self inspection forms, signed by advisor or team captain as required in the rules. No admission to inspection without this.
2. 3" high team numbers on both sides and top and bottom of aircraft. (1" for Micro class: Do not unpack Micro, as their aircraft is to arrive packed inside aircraft container. Ask the Micro teams to verbally confirm the aircraft is properly numbered: do not unpack aircraft) 1" on Advanced Colonist Delivery Aircraft.
3. Team name or initials on model. (Ask Micro teams to verbally confirm)
4. All props removed from aircraft.
5. Aircraft has a spinner or model aircraft type safety nut (Ask Micro to verbally confirm)
6. All classes must have a **Red** arming plug installed on **TOP** of the aircraft at 40-60% of fuse length. Red arming plug is for aircraft flight power. Advanced: additional Red arming plug is for FPV and DAS power. Red arming plugs **must not** be installed yet. (ask Micro to verbally confirm)
7. Aircraft must have their empty CG marked on side of aircraft per rules with a ½" minimum diameter classic CG symbol. (Ask Micro teams to verbally confirm)
8. All clevises must have mechanical keepers installed. (ask Micro teams to verbally confirm)
9. No rubber bands allowed for wing retention in either Regular and Advanced class. Wings must mechanically attach. (Rubber bands OK for Micro.)
10. Micro class models arrive fully stowed in in the aircraft system container. The container must have the school name, school address, team name and team number on the container. (no shoulder strap or carry handle required for 2020.)
11. Advanced class teams must confirm they have their "proof of operational ability" flight video and a suitable video screen for viewing it with them.

If these eleven items are correct, your team and aircraft will be admitted to the inspection area for the complete inspection process. Otherwise, teams must leave the area and correct all failed items and return again for pre-inspection when ready.

If your team misses their scheduled inspection for any reason, we will do all possible to work your team in later, but we cannot promise that you will be inspected in time for the first competition round on Saturday morning.

Careful preparation and self-inspection will help speed your team through the inspection process and it will help the volunteers finish all inspections in a timely manner. Thank you for your help.