



**Grading Sheet: Student Design and Construction
Intercollegiate Rocket Engineering Competition**

Team: _____

| Subsystem | Student-designed and -built components | Commercial components | Remarks |
|--|---|------------------------------|----------------|
| Airframe (body tube, structure, bulkheads, nosecone, fins) | | | |
| Recovery (parachutes, bridles, shock cords, deployment device) | | | |
| Avionics (recovery initiation sensors, other electronics) | | | |
| Propulsion (motor case, propellant, oxidizer system, fuel system, nozzle, ignition system, thrust chamber) | | | |
| Other rocket subsystems | | | |
| Payload | | | |

How well can the students answer questions about the subsystems and/or components they have designed and built?

- What options did they consider before deciding on the final design?
- Why did they choose the final design?
- Did they conduct any tests to help them reach their final design or to validate their design?
- How did they build the hardware?
- What compromises did they have to make in order to have a flyable rocket in time for the competition?
- What changes would they make in a “next generation” rocket?

Examination of the hardware should match the students' descriptions.

Judge's Remarks:

Maximum Points: 200

Student Design and Construction

Points Awarded: _____

Team: _____

Judge # _____