



RIMRA Flight Card Instructions

Purpose

Complete one flight card per flight. The card gives the Range Safety Officer (RSO) and Launch Control Officer (LCO) the information needed to confirm flight safety, assign a launch pad, and identify/contact the flyer during launch and recovery.

Basic Flyer Information

Enter the date, your name, model name, cell phone number, and signature. Your phone number allows the launch team to contact you while you are retrieving your rocket if needed.

Membership Information (if applicable)

Enter your NAR or TRA member number and certification level if applicable. You must be an active NAR member to fly mid- and high-power motors (>E) at RIMRA launches.

Rocket Description

Enter manufacturer, length, diameter, and weight, including units where requested. Length and weight are optional for a rocket flying on a single low-power motor (A-E). Scales and measuring tools are available at the RSO table.

Launch Guide

Select the required rod (1/8, 3/16, 1/4, or 1/2 inch) or rail. For 1010 and 1515 rails, also select Short or Long as appropriate; select Mini when applicable. If unsure, leave this section blank and ask the RSO.

Flight Information

Select First Flight, Heads-up, Certification, or Other. A Heads-up flight is announced because of size, speed, complexity, or higher risk; Other includes special flights such as American Rocketry Challenge or demonstrations.

Motor / Stage Information

Check the applicable Stage/Setup box (1, 2, 3, or Cluster). For each stage/setup, enter the motor designation, quantity, and delay in seconds. For a cluster, check Cluster and enter the number of motors in the Qty column; if different motors are used in the same cluster, list each motor designation separately.

Stability Information

Enter CG (Center of Gravity) and CP (Center of Pressure) measured from the bottom of the rocket and include the units used (e.g., inches). These are not required for a rocket flying on a single low-power motor (A-E).

Recovery System

Under Recovery, select Motor eject, Dual deploy, or Jolly Logic chute release, as applicable. Under Type, select Parachute, Streamer, Glider, Helicopter, Tumble, or Other. For a Jolly Logic Chute Release, enter the release altitude in "set at _____ feet." Enter the main parachute deployment altitude in "Altimeter main at (ft)" whenever that field applies to the recovery system being used, including dual deployment.

High Altitude Flights

Enter the predicted altitude. If the rocket is expected to exceed 1,500 feet, also enter how the altitude was determined (e.g., RockSim or OpenRocket, ChatGPT, Claude, Manufacturer Information).

Flyer Notes

Enter any additional safety or operational information, such as staging details, unusual recovery setups, or special flight conditions.

Fields for Launch Staff Only

Light-blue fields are for RSO/LCO use only and should be left blank by the flyer. These include Pad and Power at the top of the card and the Flight Result and RSO sections at the bottom.