



A.B.N. 11660303974

[www.stanbridges.com.au](http://www.stanbridges.com.au)  
Email :[sales@stanbridges.com.au](mailto:sales@stanbridges.com.au)

23 RAILWAY PARADE  
MOUNT LAWLEY 6050

Telephone : (08) 9271 8929  
Fax : (08) 9271 4683  
Country Freecall 1800 811 455

[Contents](#) ◀ A2 ▶

Established in 1948

## WEST AUSTRALIAN MODEL ROCKET CLUB INC.

CONTACT

KEVIN 9354 1673

## AUSTRALIAN MODEL ROCKETRY REGULATIONS

### SAFETY CODE

- 1 **CONSTRUCTION.** My rocket will be made of light-weight materials such as paper, wood, rubber and plastic, without any metal parts as structural parts.
- 2 **ENGINES.** I will use only pre-loaded factory made NAR certified model rocket engines in the manner recommended by the manufacturer. I will not alter or dismantle model rocket engines or their ingredients in any way or attempt to reload these engines.
- 3 **RECOVERY.** I will use a recovery system in my rockets that will return them safely to the ground so that they may be flown again. I will use only flame resistant wadding in my rockets.
- 4 **WEIGHT LIMITS.** My model rocket will weigh no more than 1500 grams (53 oz.) at lift-off, and the engines will contain a total of no more than 125 grams (4.4 oz.) of propellant. My model rockets will use the engines recommended by the manufacturer of my rocket.
- 5 **STABILITY.** I will check the stability of my model rockets before their first flight, except when launching models of proven stability.
- 6 **PAYLOADS.** My model rockets will never carry live animals or payloads that are intended to be inflammable or explosive.
- 7 **LAUNCH AREA.** I will launch my model rockets outdoors in a cleared area, free of tall trees, power lines and buildings. I will ensure that people in the vicinity are aware of the pending rocket launch and are in a position to see the rockets lift-off before I begin my audible 5 second countdown.
- 8 **LAUNCHER.** I will launch my model rockets from a rod or other device which provides rigid guidance until the rocket has reached a speed adequate to ensure a safe flight path. To prevent accidental eye injury, I will always place the launcher so that the end of the rod is always above eye level or will cap the launch rod when approaching it. I will cap or disassemble my launch rod when not in use and will never store it in an upright position. The launch device will have a jet deflector to prevent the engine exhaust from hitting the ground directly. I will always clear the ground around my launch device of brown grass, dry weeds and any other easy-to-burn materials.
- 9 **IGNITION SYSTEM.** The system I use to launch my model rockets will be remotely controlled and electrically operated and will contain a launching switch that will return to "off" when released. The system will contain a removable safety interlock in series with this firing switch. When launching, all persons will remain at least 15 feet (5 metres) away from my model rocket when igniting engines totaling 30 N-sec of total impulse or less and at least 30 feet (10 metres) when igniting engines totaling more than 30 N-sec total impulse. I will use only electrical igniters which will ignite my rocket engines within one second of actuation off the launch system.
- 10 **LAUNCH SAFETY.** I will not let anybody approach a model rocket on a launcher until I have made sure that the safety interlock has been removed or the battery disconnected from the launcher. In the event of misfire, I will wait one minute before allowing anyone to approach the launcher.
- 11 **FLYING CONDITIONS.** I will launch my model rockets only when the wind is less than 20 miles per hour, under conditions where the model will not fly into clouds, fly near aircraft in flight, or be hazardous to people or property.
- 12 **PRE-LAUNCH TEST.** When conducting research activities with unproven designs or methods I will, when possible, determine their reliability through pre-launch tests. I will conduct launchings of unproven designs in complete isolation from persons not participating in the actual launchings.
- 13 **LAUNCH ANGLE.** I will not launch rockets so their flight path will carry them against targets. My launch device will be pointed within 30 degrees of the vertical. I will never use model rocket engines to propel any device horizontally.
- 14 **RECOVERY HAZARDS.** If a model rocket becomes entangled in power lines or other dangerous place, I will not attempt to retrieve it.
- 15 **PRODUCT SALES.** Sales of engines to persons under the age of 18 years without parental authority are prohibited.
- 16 **LAUNCHING SITES.** Launching of model rockets in an aviation flight zone or within 5 kilometers of an airport is prohibited.
- 17 **ALTITUDE LIMITATIONS.** No launching of a rocket over 300 feet without Civil Aviation Safety Authority (CASA) notification and/or approval is permitted.

[Contents](#) ◀ A2 ▶