

Millennium Cup Competition Rules

1 Model Specifications

- i) Maximum Wing Span 2000 mm
- ii) Maximum flying mass 5 kg
- iii) Maximum surface area 150 sq DM
- iv) The model shall have only two channels used in its radio receiver.
- v) The underside of the model must not have any protuberance other than the tow hook and surface control linkages. The tow hook must not be larger than 5 mm in frontal width and 15 mm in frontal height.
- vi) A radio-controlled glider is a model in which lift is generated by aerodynamic forces acting on surfaces remaining fixed except for control surfaces. No other propulsion devices may be used.
- vii) Only the pilot standing on the ground shall control the model. Control shall be by radio transmission to the model only.
- viii) The radio control equipment used must comply with current MAAA regulations and operate at a maximum bandwidth spacing of 20 kHz.
- ix) Any device for transmission of information from the model to the pilot is prohibited during the competition. Data loggers are not to be interrogated during a contest.
- x) Any other device or design not considered to be in the spirit of the competition may be prevented from use at the committee's discretion

2 Task and Flight Scoring

- i) The objective of the contest is to complete a flight of 6 minutes duration and land within 1 metre of a designated spot.
- ii) One point will be awarded for each full second from the time the model is released from the line to the time the model comes to rest, up to a maximum of 360 points, i.e. 6 minutes maximum.
- iii) One point will be deducted for each full second flown in excess of 360 seconds, i.e. 6 minutes. After 6 minutes 30 seconds the flight and landing shall be zero points.
- iv) Additional points will be awarded for landing, depending upon distance from the spot, marked by the organiser, according to the following tabulations:

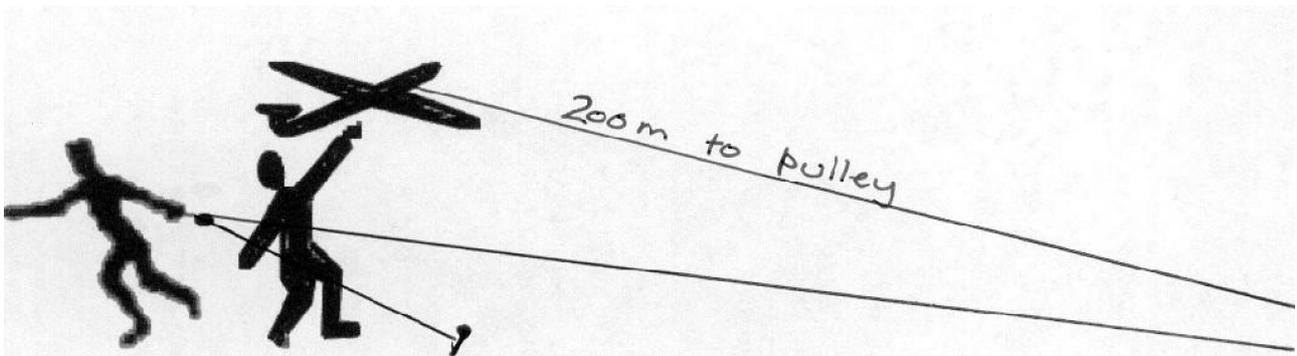
Distance from Spot (m)	Points	Distance from Spot (m)	Points
1	50	6	25
2	45	7	20
3	40	8	15
4	35	9	10
5	30	10	5

- v) The distance is measured from the nose of the model to the spot. The measured distance is rounded up to the nearest highest metre.

- vi) No landing points shall be awarded if the model touches the pilot, any of his/her assistants during landing manoeuvres.
- vii) The tape shall not be piled on the spot marker.

3 Launching

- i) All launching shall take place in the area designated by the organiser, with provisions made for launching as close as practicable into the prevailing wind. Unless otherwise specified, all launches will be made with equipment supplied by the committee.
- ii) A nylon mono-filament of 1.2mm diameter is recommended for all Millennium Cup contests
- iii) Hand operated pulleys shall be used for this event. The contestant may decide to use one or more pulleys.
- iv) See following diagram for launch method:



4 Contest Scoring

- i) If four or five heats are flown, the competitor's classification is determined by the sum of all scores for each heat. If six to eleven heats are flown, the lowest score shall be deleted. If twelve heats are flown, then the two lowest scores shall be deleted.
- ii) To decide the winner should there be an equal score after the appropriate low scores are dropped: a count back on flying time including landings of all heats shall decide the winner.
- iii) A minimum of four (4) heats shall be flown for a Millennium Cup Point Score event.

5 Millennium Cup Annual Scoring

- i) A competitor's best four rounds shall be counted towards the Millennium Cup.
- ii) The scores for each individual round shall be normalised using the "1000" system for the Millennium Cup.

6 Competitors and Helpers

- i) The competitor (pilot) must operate his/her transmitter and fly the model personally. The pilot is solely responsible for the operation of their model and its operation.

7 Definition of an Official Flight and Pop Off

- i) A “pop off” is where the model inadvertently is released from the line. The competitor may declare any release of the model from the towline during launching as a pop off.
- ii) A pop off declaration must be announced within 30 seconds of the occurrence.
- iii) The competitor is only permitted one pop off per round. A second pop off in a round shall be the official flight.
- iv) Should a model be damaged on tow the pilot is permitted to have a second flight for that round.
- v) If a timing malfunction occurs, it will not be grounds for a re-launch unless it is brought to the attention of the Contest Director within 30 seconds of it being known. The flight shall immediately be abandoned.
- vi) In the case of an unexpected event, not within the control of the competitor, e.g line break, the flight has been hindered, the competitor may elect to a re-launch of the model. This shall be announced within ten (10) seconds of the unexpected event occurring. This re-launch shall not be counted as one (1) pop off for that round.

8 Cancellation of an Official Flight or Disqualification

- i) Conduct that is not in the spirit of the rules may result in the competitor being disqualified at the discretion of the Contest Director or Committee.
- ii) The flight in progress is annulled if the model loses any part during the launch or during the flight time. The losing of a part during landing (i.e. in contact with the ground) is excluded.

9 Organisation of Contests

- i) The host club may appoint a Contest Director for their contest.
- ii) A pilot’s briefing will be conducted prior to the commencement of the contest, during which the objective of the competition, flying rules and any local safety advice will be explained. The organiser must clearly define the boundary between the landing area and the area assigned for other business (safety area).
- iii) All relevant MAAA and CASA safety directives must be observed.
- iv) Once the contest has started there shall be no test flying.
- v) Competitors are to launch as soon as the line is at the launch point and safe to do so.
- vi) Should the line be back to the launch point before a model experiencing a pop off has returned to the launch point, then at the Contest Director’s discretion, the next model in the sequence shall be permitted to launch.
- vii) Should the pilots believe flying conditions are not in the spirit of the Millennium Cup Competition, a pilot’s briefing will be called at the end of that round. The majority vote will decide if the competition is to be paused or concluded at that point.

10 Junior Definition

- i) A person who enters the Millennium Cup Competition before their 18th birthday shall be deemed to be a junior for the remainder of the Millennium Cup rounds for that calendar year.