

G2K and G2Kplus

General

- 1 There are two age categories within the G2K and G2Kplus classes: Juniors (under 18 years on the 1st of January of the current competition year to qualify) and Seniors (anybody not qualifying as a junior).
- 2 The aircraft must be a glider — no on-board propulsion of any type will be allowed.
- 3 The maximum allowable span is 2 metres projected span.
- 4 For a G2K class glider, the only two control functions allowed are rudder and elevator (V-tails will be allowed). Any use of ailerons, flaps, airbrakes etc will result in the model being classified as a G2Kplus model. For a G2Kplus class glider the only limitation on the model is the 2 m wingspan limit, any number and type of controls are allowed.
- 5 There is no restriction on the construction techniques used in manufacturing any parts of the aircraft.
- 6 There is no requirement for the pilot to be the builder of the model although this is encouraged.
- 7 The model may be controlled with any make or model of radio providing it is able to operate simultaneously with other radios at a 20 kHz spacing.
- 8 Transmission must be on one of the SAMAA approved frequencies.

Launching

- 9 For G2K class gliders launching is to be done through the use of a bungee only, winch launches and hand tow are not allowed. For the G2Kplus class launching may also be done through the use of an electric winch with a maximum distance of 200m between the winch and the turnabout.
- 10 The elastic portion of the bungee is limited to an un-stretched maximum length of 30 metres of (8 mm OD and 5 mm ID) surgical tubing (Roynhardt 201). The remainder of the bungee is limited to 100 metres of monofilament line of minimum 30 kg breaking strain. A small parachute or flag should be connected to the model end of the line as this aids in determining when the bungee releases for flight timing purposes. This parachute may be taped closed.
- 11 The bungee may not be stretched for launch more than 80 m beyond its rest length.

Postal Competition

- 12 There are two different flight duration tasks, a three minute task and a six minute task. For the three minute task, two points are allocated per completed second of flight time from release of the parachute/flag until the model comes to rest. Two

points per second are deducted for each full second after three minutes before the model comes to rest. For the six minute flight, one point is allocated per completed second of flight time from release of the parachute/flag until the model comes to rest. One point per second is deducted for each full second after six minutes before the model comes to rest. The maximum possible flight score for each task is thus 360 points.

- 13 Landing points are calculated by subtracting five points from a maximum of 100 for each full metre that the nose of the model comes to rest away from the spot .
- 14 The landing score is added to the flight score to obtain the task score. (Example: In the six minute task a 5 minute 54 second flight with a landing 1,4 m from the spot will receive a score of $(5 \times 60 + 54 = 354$ flight points plus 95 landing points = 449 points)
- 15 Flights that extend 60 seconds over their target time lose all landing points.
- 16 The planned flight duration (3 or 6 minutes) must be nominated before the launch. Failure to do so requires that the flight be terminated and re-flown.
- 17 A re-launch can be called at any point up until the bungee parachute/flag reaches the ground.
- 18 Once a re-launch has been called that flight may not be scored.
- 19 For a flight to be recognised the pilot must have a timekeeper — timing for yourself is not permitted.
- 20 Five flights are to be attempted — three six minute flights and two three minute flights for submission of a score. The maximum score is 460 points per flight. The six minute flights from 360 flight points (6x60 seconds at one point per second) plus 100 landing points. The three minute flights from 360 flight points (3x60 seconds times two points per second plus 100 landing points). The scores are added to obtain a total score for the pilot. The maximum attainable is 2300 points (five flights of 460 points each)
- 21 All the scores (as a total of points, not flight times and distances) are to be submitted to the G2K scorer (see below) for each quarter.
- 22 The flights may be flown at any club in the country (not necessarily the pilot's own club) on any two weekend days or public holidays during the following months —

Round 1 — January, February, March
Round 2 — April, May, June
Round 3 — July, August, September
Round 4 — October, November
- 23 The better of the two scores obtained during any quarter counts towards the pilot's National score.
- 24 The higher of the totals obtained from the three highest scores entered by a club on each of the two occasions are added to produce the club score. If a pilot flies at a club of which he is not a member, his personal score may be submitted but it

cannot be used towards that club's score. His score can however be submitted towards the score of the club at which he is a member.

- 25 The G2K scores may also be entered into the National Postals competition but only if flown on the official Postals weekends. Obviously only the three six minute flights would count and two additional flights would have to be flown.
- 26 The winner on a points basis will be decided at the end of the year by adding the top three quarterly scores as is done in the Postals competition.
- 27 SAMAA membership is recommended but not required for G2K.

Local G2K and G2K plus Competitions

(These are competitions that can be arranged with MGA approval at any location in the country by any club during the year.)

- 26 In any local G2K and G2Kplus competitions, group scoring (man on man scoring) is to be used.
- 27 A working time of 15 minutes will be allocated to complete both tasks (one six-minute and one three-minute flight).
- 28 The number of attempts is unlimited within the working time.
- 29 Each attempt must be nominated (i.e. 3 or 6 minute flight) before launch otherwise the flight is to be re-flown within the original working time.
- 30 The last attempt at either task is the official one.
- 31 1000 points are awarded to the pilot with the highest combined flight score in each round. The other pilots' scores are calculated proportionally.
- 32 Ideally six rounds should be flown. If five rounds or more are flown the lowest scored round is discarded in calculating the total score
- 33 The pilot with the highest score in each age category will be declared the winner.

The G2K coordinator is **John Monk**.

Address any burning issues to him at — jsmonk@csir.co.za

The official G2K scorer is **Gert Nieuwoudt**.

His e-mail address is — gnieuwoudt@xsinet.co.za

Please submit all your scores to him.

Finally, G2K is about having fun. Enjoy it!