
Discipline 2.2: Hand-Thrown Gliders

Event Description

At the start of each round, eight model gliders (1.5 m wingspan) are thrown simultaneously by hand and reach a height of some 30 meters. With their remote-control units, pilots try to find and exploit low altitude thermals to climb and stay aloft to achieve duration tasks. Physical ability and piloting skills are combined with tactics to beat the other competitors who are flying simultaneously. The event takes place close to the public, simultaneous launches are very attractive, tasks are easy to understand, and results are immediately available.

Venue

- *Location:* Main or Satellite venue
- *Air Space Requirements:* The competition flights take place in front of spectators, within an obstacle-free area of ground of about 200 x 200 meters, at least a part of which should be a grass surface where pilots stand, throw and catch their gliders. The maximum altitude reached by the gliders is approx. 200 meters.
- *Event Site:* No field set up required. The throw/landing area is a flat, grass surface of approx. 50 x 100 meters. The flight area must be free of any turbulence generated by buildings, trees or other obstacles. A safety distance of some 50 m from spectators should be observed.
- *Timing:* In the afternoon when there is thermal activity. The event is flexible enough to allow a splitting of each round into 2 or 3 equal time windows. This enables to fit the event into possible spare time between other events.

Competitors

- *Competitor type:* Individuals
- *Team Composition:* 1 pilot
- *Number of entrants:* 16 pilots
- *Support personnel:* 16 (local staff for technical assistance; might be partially combined with other Aeromodelling events)
- *FAI – CIAM Referees:* 3 (might be combined with other Aeromodelling events)

Duration

- *Practice Days:* 1
- *Competition days:* 3 + 1 final round
- *Reserve Days:* 1 - 2
- *Time per round:* 1 hour per round / 45 minutes for final round.

Technical Equipment specifically required for this event

- Radio frequency monitoring system (scanner)*
- 10 stop watches
- Ground marking (chalk/tape)*
- VHF transceiver for communication with control tower *
- Scoring software (generally provided by a local club)*

* *This equipment may be shared with other Aeromodelling events.*

Estimated Operational Budget (for 3 rounds + 1 final)

Max. USD 1'600.- for technical equipment listed above. At least $\frac{3}{4}$ of the budget may be shared with other Aeromodelling events.

Notes:

This budget does not include the costs for venue, infrastructure, logistics, accommodation, volunteers and technical equipment required for conducting/ presenting the events, or for interacting with the public (see section 'Technical Equipment').