
6. Hang Gliding

Discipline 6.1: Aerobatics

Event Description

Hang Gliding demonstrates the pureness and simplicity of air sports. Pilots fly sequences of aerobatic manoeuvres using only their weight to control their wings in the air. Hang Gliding Aerobatics is the most recent development in this air sport and requires the most experienced pilots to control their wings through their full flight envelope. In order to improve pilots' safety, this event may only be performed above water. If a floating pontoon is available, the aerobatics programme may be followed by accuracy landing on the pontoon; this way of terminating the flight is exciting and much appreciated by spectators.

Venue

- *Location:* Main venue (Satellite venue also possible, provided that an expanse of water and a winch, aero towing or a suitable hill for take-off are available).
- *Air Space Requirements:* Free airspace must be available from ground level up to the elevation of the launch (min. 500 to 800 meters above ground).
- *Event Site:* A take-off runway for winch or aero towing for launching gliders up to 500 - 800 meters above ground. This event must be held above an expanse of water sufficiently wide and deep to ensure safe emergency landings. Launches from a hilltop may be used instead of winch or aero towing. For hilltop take-off, an obstacle-free launch site on a hill/mountain at least 500 to 800 meters above the landing and spectators area is required.
- *Timing:* Preferably during periods of low winds.

Competitors

- *Competitor type:* Individuals
- *Team Composition:* 1 pilot
- *Number of entrants:* 10 pilots
- *Support personnel:* 28 (local staff for technical assistance/May be shared with Paragliding Aerobatics).
- *FAI – CIVL Referees:* 5 (3 Jury members + 2 international stewards/May be shared with all Hang Gliding/Paragliding events)

Duration

- *Practice Days:* At least 1 (an air show may be used as training day)
- *Competition days:* 4 competition rounds + 1 final round (2 rounds per day are possible).
- *Reserve Days:* 1 to 2
- *Time per round:* Maximum 2 hours.

Technical Equipment specifically required for this event

- Winch or aero towing equipment (with fuel or electricity, and operating crew)*. A suitable hill is also possible for launching.
- 3 rescue boats (with fuel and pilots)*
- 1 floating pontoon if landings take place on water*
- Smoke cartridges (min. 60 + spare)
- Full diving equipment for 3 divers*
- Scoring software (MS-Excel)*
- Radios and mobile phones*

* *This equipment may be shared with Paragliding Aerobatics event.*

Estimated Operational Budget

(For 4 competition rounds + 1 final)

- Technical equipment as listed above: Approx. USD 6'400.-
- Optional: Hill for take-off instead of winch or aero towing.
- Optional: Costs for renting/providing a floating pontoon.
- Optional: If aero towing is used instead of winch towing, add approx. USD 20.- per launch.

Notes:

1. *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').*
2. *The costs of this event can be shared if organized together with Paragliding Aerobatics.*