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## **10. Paragliding**

### **Discipline 10.1: Aerobatics**

#### **Event Description**

Although quite new, Paragliding demonstrates the pureness and simplicity of flight and has become one of the most popular recreational air sports. Paragliding 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. Pilots have to demonstrate their ability to fly synchronized and artistically appealing sequences of aerobatic manoeuvres, either as individual athletes or in teams of 2 with synchronized manoeuvres. In order to improve pilots' safety, this event may only be performed above water. If a floating pontoon is available, the aerobatics program may be followed by an 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, winch 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 towing the gliders up to 500 – 800 meters above ground. This event must be held above an expanse of water sufficiently wide and deep to provide safe emergency landings. Launches from a hilltop may be used instead of winch towing, or possibly airlift with helicopters. 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 light winds.

#### **Competitors**

- *Competitor type:* Solo and Syncro
- *Team Composition:* 1 pilot for Solo/2 pilots for Syncro flights
- *Number of entrants:* 20 pilots
- *Support personnel:* 28 (same personnel as Hang Gliding Aerobatics).
- *FAI – CIVL Referees:* 5 (3 Jury members + 2 international stewards/Same persons for all Hang Gliding/Paragliding events)

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## 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:* Approx. 2 hours for Syncro flights, up to 3 hours for Solo flights.

## Technical Equipment specifically required for this event

- Winch towing equipment (with fuel or electricity, and operating crew)\* or helicopter airlift, or a suitable hill for launching.
- 3 rescue boats (with fuel and pilots)\*
- 1 floating pontoon if landings take place on water\*
- Smoke cartridges (min. 220 + 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 11'300.-
- Optional: Helicopter airlift or suitable hill for take-off
- Optional: Costs for renting/providing a floating pontoon

### 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 organised together with Hang Gliding Aerobatics.*