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## 9. Parachuting & Skydiving

### **Discipline 9.2: Style & Accuracy**

#### **Event Description**

Parachuting (or Skydiving, to use its increasingly popular name) provides a wide variety of breath-taking, dynamic and very attractive competitive events focusing on athletes rather than aircraft. The events selected for the World Air Games 2009 will depend very much on the venues made available by the future organiser, as well as the airspace structure above the venues.

These events will comprise both Freefall and Canopy disciplines. All Parachuting & Skydiving events are very attractive for spectators, since modern technologies may be used to follow and display the athletes' performance on large screens in front of the public.

Style & Accuracy events combine two disciplines : Freefall Style and Accuracy Landing. Freefall Style is a freefall speed event requiring competitors to complete a series of loops and turns in a race against the clock. Accuracy Landing requires precise flight control of the open parachute, while competitors attempt to land as close as possible to a tiny bull's eye, just 2 cm in diameter.

Note : Competitors in Freefall Style and Accuracy Landing will be competing in the World Cup of Champions. Scores from both events will be combined to determine the winner.

#### **Venue**

- *Location*: Main venue. If required, aircraft may take-off from an auxiliary airfield located nearby.
- *Air Space Requirements*: Airspace available within a radius of max. 5 NM. Exit altitudes for Freefall style events are 7,200 ft AGL, and 2,600 to 3,300 ft for Accuracy Landing.
- Professional ATC coordination may be required, depending on the surrounding airspace configuration.
- *Event Site*: A runway (concrete or grass) long enough for safe operation of heavily-loaded aircraft, or helipad. Flat, grass landing zone of some 100 x 150 meters for parachutists, clear of obstacles and spectators.
- *Timing*: All day, but preferably early in the morning or late in the afternoon.

#### **Competitors**

- *Competitor type*: Individuals

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- *Team Composition:* 1 athlete
  - *Number of entrants:* 40 athletes
  - *Support personnel:* Up to 25 local staff for all Parachuting events (depending on schedule and venues, staff may be partly shared between Parachuting events).
  - *FAI – IPC Referees:* 7 to 12 for all Parachuting events (depending on events and schedule)

### **Duration**

- *Practice Days:* 1
- *Competition days:* 2 to 8 competition rounds per event + 1 final round. Several rounds per day are possible.
- *Reserve Days:* 1 to 2
- *Time per round:* 1 to 2 hours.

### **Technical Equipment specifically required for Parachuting events**

(See note 3)

- Aircraft (helicopter or fixed-wing) with a seating capacity of 4 to 20 fully equipped parachutists.
- Ground-to-air video system for Freefall Style
- TV monitors for judging/scoring
- Electronic scoring system(s)
- Lightweight windsocks
- Scoring software
- Cabins for judges, video crews, dubbing.
- VHF transceivers (radios)
- Foam rubber landing tuffet (5-meter diameter)
- Accuracy measuring equipment

### **Estimated Operational Budget**

- Approx. USD 40'000.- (to be checked) for airlift and technical equipment for all Parachuting Events (Assuming fixed-wing airplanes at market prices/see note 2).

#### 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. *Civil or military helicopters may be an alternative to aeroplanes, but costs for airlift could be significantly higher, depending on negotiated prices.*
3. *A more detailed list of the equipment and aircraft required will be drawn up as soon as the events and schedule have been determined.*