



# World Paramotor Championships 2009

## H Fast / slow speed

### Key information

Task sheet. Edition 1

This is as task 3.C8 in the task catalogue

Task type: Precision; no fuel limitation, flight recorders not required, electrical equipment check not required.

Radio is permitted; the organizer will be transmitting useful information.

Complete task brief: This task sheet, task information sheet, ordered start procedure.

### Information which will be provided before the briefing

Briefing time.

Briefing location.

Task information publish time.

Task start time.

Pilot start order list.

Takeoff deck assignments.

Circuit pattern and height diagram.

Course location & assignments

### Objective

To fly a course as fast as possible and then as slow as possible (or vice versa).

### Description

A straight course consisting of four equally spaced 'kicking sticks' between 250m and 500m long is laid out facing approximately into wind.

There will be two courses, a 'slow' one and then a 'fast' one.

Pilots have a free takeoff in the designated takeoff decks.

After takeoff, the pilot flies to the assigned circuit area and observes the giant order number placed close to the entrance to the course.

The giant numbers will be displayed close to the start of the first course according to the standard **ordered start procedure**. The start slot duration will be **thirty seconds** during which the giant numbers will be raised at an angle to the ground.

A **good start** is when the pilot kicks, or attempts to kick the first stick within his start slot.

Pilots missing their start slot will receive a **red flag** and a **late arrival penalty**.

Pilots who miss their first slot must stay in the air until their turn comes around again. To avoid a penalty they must stay obviously well clear of the circuit pattern until the order numbers start their second round.

For each course, the clock starts the moment the pilot kicks the first stick and stops the moment he kicks the fourth stick.

A valid strike on the first and last sticks in each course is when the electronic 'kick stick' sensor detects it.

A valid strike on the second or third stick in either course is one where the pilot or any part of the paramotor has been clearly observed to touch it.

The pilot may have 3 attempts at kicking the first stick on each run and three attempts at kicking the fourth stick In the fast course. Second attempts at any other stick will be penalized.

If the pilot misses the second or third stick in either course then he is considered 'too high', penalty 50% course score for each stick missed.

The maximum time allowed for a pilot to complete each course is 5 minutes.

If, after a good start, an attempt is baulked for some recognizable reason outside the pilot's control, then the pilot may land in a safe place and will be permitted to restart the task as soon as possible without penalty.

## Penalties

$V_{p2}$  = null and  $E_p$  = zero in the slow course.

- If the pilot or any part of his paramotor touches the ground.
- Miss the last stick.

$V_{p1}$  = zero and  $E_p$  = zero in the fast course.

- If the pilot or any part of his paramotor touches the ground.

50% slow or fast course score

- Missing one central stick.

20% task score

- Late arrival penalty in the first start slot.

Zero task score

- Failure to strike the first target.
- Zig-zag in the course.
- Failing to stay well clear of the circuit while waiting for the second start slot.
- Second attempts at any stick where it is not permitted.
- Late arrival penalty in the second start slot.

## Scoring

$$\text{Pilot score} = \left( 125 \times \frac{V_{p1}}{V_{\max}} \right) + \left( 125 \times \frac{V_{\min}}{V_{p2}} \right) + \left( 250 \times \frac{E_p}{E_{\max}} \right)$$

Where:

$V_{\max}$  = The highest speed achieved in the fast course, in Km/H

$V_{p1}$  = The speed of the pilot in Km/H in the fast course.

$V_{\min}$  = The lowest speed achieved in the slow course, in Km/H

$V_{p2}$  = The speed of the pilot in Km/H in the slow course.

$E_p$  = The difference between the pilot's slowest and fastest speeds, in Km/H

$E_{\max}$  = The maximum difference between slowest and fastest speeds, in Km/H