



Fed. Port.  
Aeronáutica



**8<sup>th</sup> EUROPEAN MICROLIGHT CHAMPIONSHIPS**  
**Castelo Branco – PORTUGAL**

31 July - 7 August 2004

**CLASSIC CLASSES ( WL1, WL2, AL1, AL2)**

**TASK 5**

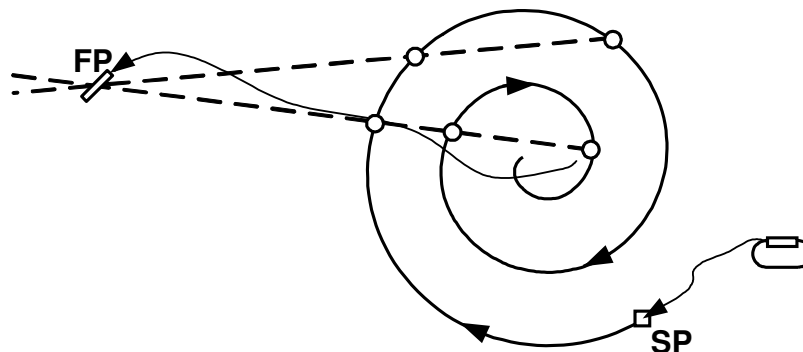
**CARACOL ( the snail )**  
Navigation with controlled speed

**3<sup>rd</sup> August 2004**

*Unlimited Fuel* Ⓢ **FR required** ● *Take-off order – as defined at briefing*

Objective :

The objective of this task is to follow a drawn track, with a form of a snail, in the direction indicated on the map, identifying ground markers and locating their positions on the map. All the ground markers identified will be points on two lines, which must be drawn by the competitor. The task ends with an outlanding at the point where the two lines intersect.



Description :

Competitors will be given:

- a copy of the map with a drawn track, indicating the direction to follow
- the location of a start point (SP), before which no ground markers or time gates will be found
- a declaration form, in which the competitors must declare the average speed that they are going to fly between the SP and the ending point of the spiral. The “horns” and the “foot” (discontinue line between the SP and the spiral) of the snail are not to be flown
- sealed envelope with instructions giving the location of the outlanding site

The ground markers will be 5, being 2 greek characters **Δ** and **Π** which will be in the same line, and 3 roman letters **L**, **T** and **V** which will be in the other line.

When a ground marker is spotted, competitor must hit the “mark” button on the FR and must mark it on the map with an X and the correspondent symbol. Maximum tolerance of marking is 2 mm for each side.

## Take-off, route and Landing :

Take-off will be from the deck and the T.O. order and time will be indicated at briefing.

After take-off, aircraft cannot fly to the west of the city of Castelo Branco. Although the route till the SP is not obligatory, for safety reasons pilots must fly south passing by the east of the city, joining *Rio* (river) *Ponsul* valley and following this valley till reaching *Rio Tejo* (the biggest river that crosses Portugal). In this route, you will like the views, which is one of the goals of microlight flying ☺.

Timing will begin at the starting point (SP), which is over the football court in the village of *Perais*, flying from south to north, and will end when the aircraft leaves the spiral after spotting the last ground marker. At this point, also for safety reasons, aircraft must climb to 500 ft above the route that they had previously followed and then proceed, in any route, chosen by the pilot, to the outlanding site.

Arriving there, fly overhead the T at 500 ft a.g.l. in the direction of landing. Your finish time will be taken when directly overhead the T. Then, turn left and join a left hand circuit, to land as soon it is safe to do so. Landing will be in a 6 meter box, scored separately. After completing the landing, competitors will be required to enter a quarantine area for scoring.

Maximum task time is 2 hours, between take-off and overhead the landing T.

## Scoring :

Correctly marked ground markers ( $C_{GM}$ ) ..... 100 points/each

Same average speed as declared .....  $P_S = 200$  points

The absolute score will be

$$S_{abs} = C_{GM} \times 100 + P_S - \text{penalties}$$

## Penalties :

The following penalties will apply:

- delay in time for departure ..... 10% / minute
- take-off deck penalty ..... 20%
- incorrect procedure for landing ..... 20%
- marker misplaced on map
  - 2 mm < difference < 5 mm ..... 100 points (no marker score)
  - difference > 5 mm ..... 50 negative points
- difference in average speed (+ or -) ... 5% of  $P_S$  / each 1 km/h
- not delivering time declaration
  - before departure ..... 100% of  $P_S$
- total time in excess of 2 hours ..... 5 points / second
- envelope not returned sealed ..... 50%

The competitor will be scored 0(zero) in case of :

- breach of quarantine
- not landing at the correct outlanding place