



Fed. Port.
Aeronáutica



8th EUROPEAN MICROLIGHT CHAMPIONSHIPS
Castelo Branco – PORTUGAL

31 July - 7 August 2004

CLASSIC CLASSES (WL1, WL2, AL1, AL2)

TASK 1

CONTRATO (contract)

1st August 2004

Navigation with pre-declared timed route

Unlimited Fuel ☺ FR required ☺ Limited time ● Take-off - by crescent order of numbers

Objective :

Given a list of turn points and their position on the map, the competitor has to choose the route he wants to follow and make his/her planning, also estimating times. The objective of this task is to fly the self-planned route in the exact order and over fly the points at the exact planned time.

Description :

Competitors will be given:

- a copy of the map indicating the initial point (IP), the timing gate (TG), the final point (FP) and all other possible turn points
- a declaration form, in which the competitors must declare the turn points which they are going to visit and the estimated time over each of those points, and must be delivered to the marshal before take-off

Take-off will be from the deck and the T.O. order will be by crescent order of numbers.

After take-off, aircraft must fly to the initial point (IP) where timing will start. Then they fly the planned route, which must include the point indicated as TG (timing gate) and a minimum of two other points, chosen by the competitor. After that, the aircraft must fly to the final point (FP), where timing will stop. Maximum time between IP and FP is 90 minutes.

From the FP the pilot shall proceed to the base airfield. Arriving there, fly overhead the T at 500 ft a.g.l. in the direction of landing and enter the standard circuit, to land as soon as it is safe to do so. Landing must be done inside the landing deck, where the aircraft must come to a complete stop. After being authorized by a marshal to move from that complete stop, the aircraft must go to the quarantine zone, where the FR must be delivered to a marshal.

Scoring :

The turn points score will be obtained by the following formula

$$S_{TP} = 100 \times TP_C - 50 \times TP_N$$

where

TP_C number of turn points (other than IP, TG and FP) correctly overflown
TP_N number of turn points declared but not correctly overflown

The timing score will be obtained by the following formula

$$S_T = 1000 \times \frac{E_{T \max} - E_{Tc}}{E_{T \max}}$$

where

E_{Tc} sum of absolute time errors of each competitor, in seconds
 $E_{T \max}$ maximum sum of absolute time errors, in seconds

(tolerance of 5 seconds error in each turn point, with a maximum of 120)

The absolute score will be

$$S_{abs} = S_{TP} + S_T$$

The relative score for the classification will be, as established in section 10, obtained by

$$P = 1000 \times \frac{S_{abs}}{S_{abs \max}}$$

Penalties :

The following penalties will apply:

- delay in time for departure 5% / minute
- take-off deck penalty 20%
- incorrect procedure for landing 10%
- landing deck penalty 20%
- total time in excess of 90 minutes 50% of S_{TP}

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

- not delivering the declaration before departure
- breach of quarantine
- not delivering the FR after landing