



Fed. Port.
Aeronáutica



European Microlight
2004 Championships
PORTUGAL



8th EUROPEAN MICROLIGHT CHAMPIONSHIPS
Castelo Branco – PORTUGAL

31 July - 7 August 2004

CLASSIC CLASSES (WL1, WL2, AL1, AL2)

TASK 12

CORRE – CORRE (run - run)
Maximum distance with minimum fuel

6th August 2004

Limited Fuel ④ FR required ⑤ No timing ⑥ Take-off - in a time window

Objective :

↳ 9:00 } Weighing
9:30 } and FR

SPA - UK PDL - GER
FRA - CZE BEL - HUN

Given a limited amount of fuel and a list of turn points, the objective is to fly the longest distance while visiting the listed points. Competitors must have enough fuel to come back to the airfield and land safely.

Description :

Competitors will be given:

- limited fuel : 6 kg for single seaters and 10 kg for two seaters
- a copy of the map indicating turn points

Fueling procedure will be verified by marshals or adversary team members, as briefed, and will be run as follows:

- each competitor must bring his own fuel and an empty can for fuel measuring
- competitors must put their aircraft in the quarantine zone, with empty tanks, at the time indicated at the briefing
- when at the quarantine zone, the engine must be run (or tried to) until stopping at 0 fuel
- then, put the fuel in the aircraft tank, which will be sealed

After fueling, nobody can approach the aircraft except the competitor(s) and marshal(s).

Take-off must be done from the deck, within a time window defined at the briefing or indicated by the marshals at the quarantine area.

After take-off, pilot must follow his self planned route, visiting the indicated turn points only once (including the airfield, as long as it is not the first or the last to be visited), trying to fly the longest distance and leaving enough fuel to return safely to the airfield. Landing may be done in any part of the runway.

After completing the landing, aircraft must leave the runway immediately and will be required to enter the quarantine zone for fuel checking and deliver the FR.

Safety :

In addition to the usual safety measures, don't forget that this task has a time-window take-off procedure, with several aircraft that can present at the same time for departure. Therefore each pilot must respect others that are in line for take-off, and be very vigilant to avoid taxiing collisions. Also remember that in this task competitors can arrive at the same time to the same turn points, at the same altitude, even in opposite directions, therefore crew members must look out for other aircraft, in order to avoid mid-air collisions. Further, this task is to be flown to near empty tanks, therefore competitors must plan very carefully their route, and must monitor very accurately the actual fuel burn along the flight, in order to have enough fuel to arrive at the airfield and land safely.

Scoring :

Each competitor's absolute score is calculated as follows:

$$S_{abs} = 1.000 \times \frac{D_c}{D_{max}} - \text{penalties}$$

where :

- D_c - the distance flown by the competitor
- D_{max} - the maximum distance flown by a competitor

Penalties :

The following penalty will apply:

- take-off deck penalty 20 %

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

- delay in time for fueling or departure
- wrong fueling procedure
- landing outside the airfield
- breach of quarantine
- non authorized unsealing of tank
- not delivering the FR after landing