



Fed. Port.
Aeronáutica



8th EUROPEAN MICROLIGHT CHAMPIONSHIPS
Castelo Branco – PORTUGAL

31 July - 7 August 2004

CLASSIC CLASSES (WL1, WL2, AL1, AL2)

TASK 13

Engine Off Precision Landing

6 August 2004

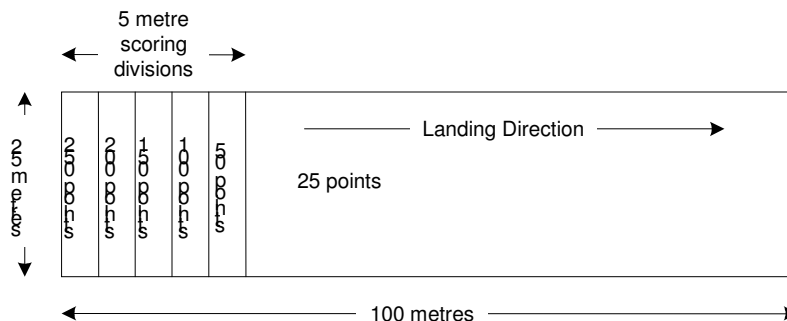
Unlimited Fuel ☺ FR not required ⚡ Take-off order – reverse of classification ☺ Task closes at ____ : ____

Objective :

The objective of this task is for the aircraft to touch down within a marked deck, as close to the initial line of the deck as possible, coming to a halt within the same deck.

Summary :

This task simulates a landing on an aircraft carrier deck, the deck being 100 mt long and 25 mt wide. The first 25 mt section of the deck is divided into five 5 mt strips, which are scored from 250 to 50 points, as shown. Touching down on the remainder of the deck scores 25 points.



On landing, it is the main landing gear wheels that count. Scoring is taken on the exact point where both main wheels touched down and remained in contact with the ground. If the aircraft bounces on landing, it is the last point of contact with ground that counts.

The aircraft must come to a complete stop within the deck, and must not move until instructed (green flag) by the marshal.

Take-off and Circuit :

Take-off order will be by reverse order of the classification. The pilot must position his/her aircraft with its main gear wheels inside the deck (first line included), to the satisfaction of the departing marshal and must not take-off until instructed (green flag up) to do so by the same marshal. The aircraft must have all wheels in the air before the end line of the deck.

After take-off, pilot must follow a right climbing circuit, proceeding to over fly the runway center line at a height of 1.000 ft. Before passing over the vertical of the start line of the deck, the engine must be switched off. The aircraft must then fly over the full length of the deck, before starting the descending circuit, which must be a left circuit.

Landing :

Once on final, the aircraft must not deviate from the runway heading more than 90°. Landing must be made inside the deck, as close to the start line as possible, and the aircraft must come to a complete standstill before the end line of the deck, not moving until instructed to do so by the end line marshal. After the marshal's authorization, or if the aircraft didn't stop before the end line of the deck, pilot must abandon the runway immediately.

Scoring :

The absolute score will be the value of the strip in which both main wheels touch down and remain in contact with the ground (P_L). Touching down on a dividing line, scores the highest value of the two strips

$$S_{abs} = P_L$$

Penalties :

The competitor will be scored 0(zero) if :

- the pilot doesn't position his aircraft as instructed by the start marshal
- the aircraft commences take-off before being authorized by the start marshal
- the aircraft does not take-off before the end line of the deck
- the engine is not stopped before passing over the start line of the deck
- any part of the aircraft touches the ground before the start line of the deck
- the aircraft (landing gear) does not stop within the limits of the deck
- the aircraft moves from the deck before instructed to do so by the marshal

Relative score :

The relative score of each competitor, in this task, is the same of the absolute score

$$S_{rel} = S_{abs}$$