

## **TASKS 04 and 05 C1 : Precision landing**

### **Goal :**

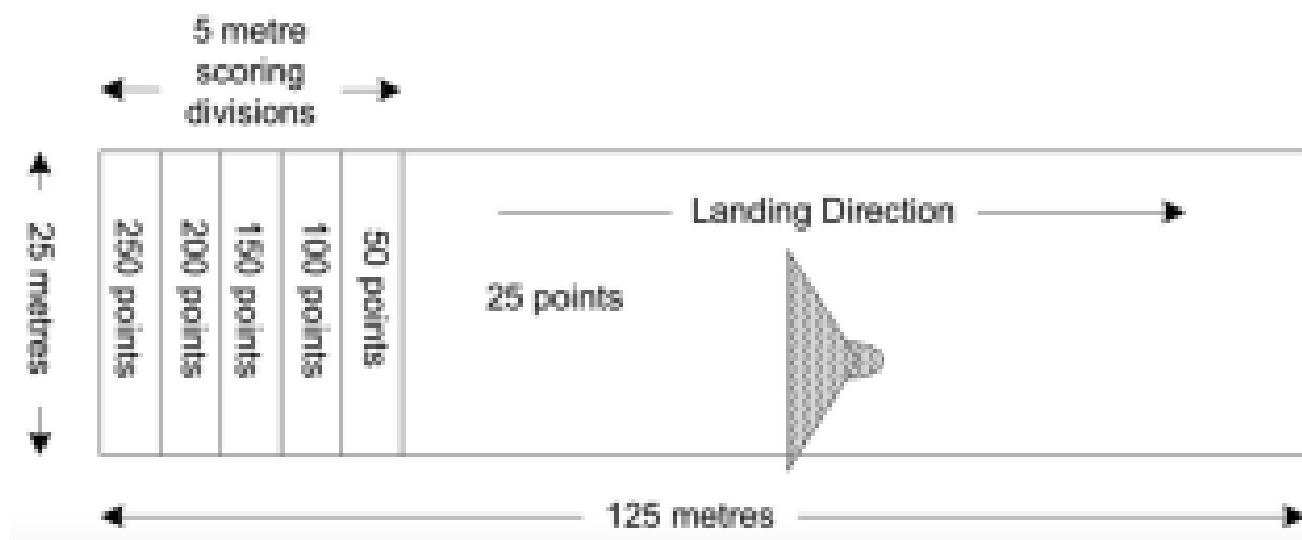
Touch down within a marked, as close as possible to the start of the deck.

### **Description :**

This task simulates a landing on an aircraft carrier deck, the deck being 125 meters long and 25 meters wide.

The first 25-meter section of the deck is divided in 5 meter strips, scored from 250 to 50 points as shown. The reminder of the deck scores 25.

In order to score, the main wheels must touch down in a particular strip, and the aircraft must come to a complete halt within the 125-meter deck.



### **Climbing and descending circuits**

The general circuit of the task will consist in an 8 shape on both sides of the landing deck. The descending circuit will always stay on the south part of the airfield, the climbing circuit always on the north side, avoiding all the no fly zones around the platform

### **Engine to Stop or Idle**

The aircraft must approach the deck in the landing direction at a height of 1,000 ft min. Before passing over the start of the deck the engine must be switched off or the throttle must be closed and the engine set to idle. The aircraft must then fly over the full length of the deck before starting the descending circuit.

## Landing

Once the aircraft has started its final approach no deviation of over 90 ° from the deck centreline either in the air or on the ground is permitted and the engine must remain at idle or may be switched off. The aircraft must come to a complete standstill and must not move until instructed to do so by a marshal.

## Scoring :

The score will be the value of the strip in which both main wheels touch down with the ground.

If a competitor decides to land with the engine idle, the points awarded will be divided by 2.

If a competitor decides to land with engine off, but changes his mind and restart during the descending circuit, the awarded points will also be divided by 2

There will be two rounds of spot landings. Each one will constitute a separate task scored separately.

## Penalties :

Description	value
Failure to Take off on the deck length	- 20%
Flying into a <b>Prohibited Flying Zone (PFZ)</b> or a <b>No Fly Zone</b> (as instructed at briefing)	- 100%
The aircraft starts to takeoff before instructed to do so by the marshal	- 100%
Failure to cross the whole deck length before starting the descending circuit	- 20%
Not being able to successfully taxi completely through the 125m box	- 100%
For minor penalties and infringements : a 2 warning system will be in place before any penalty is issued for : <ul style="list-style-type: none"> <li>- Poor circuit discipline</li> <li>- Infringing <b>No fly zone (NFZ)</b> which are briefed</li> <li>- Ignoring marshals</li> <li>- Any other behaviour with causes concern or impacts upon the safety of others</li> </ul> Resulting in : <ul style="list-style-type: none"> <li>- 1<sup>st</sup> warning</li> <li>- 2<sup>nd</sup> warning</li> <li>- Penalty issue 20%,50% 100%, disqualification: at the discretion of the competition director. Depending upon minor or major offence/s</li> </ul>	- 20% => -100%

The pilot will be scored zero (0) for the whole task if :

- Any part of the aircraft touches the ground **before** the deck.
- The aircraft turns by more than 90° throughout the duration of the circuit.
- The aircraft does not stop within the limits of the deck.
- The aircraft moves from the deck before instructed to do so by a marshal.
- The aircraft is unable to taxi or take off unaided following the touchdown, although failure to start the engine will not incur a penalty.