



Task No 10

Task #C5

Precision touchdown – Timed

Objectives

The objective is for the aircraft to touch down within a marked deck at a specific time, as close to the start of the deck as possible.

Summary

The deck is 6 metres long, 10 metres wide and is marked in four 1.5 metre strips which are scored from 200 to 50 points as shown. In order to score the main wheels must touch down in a particular strip as close to the start of the deck as possible. The lines will be defined by calx to ensure accurate scoring. If the scoring touchdown takes place at or near an exact full minute as indicated by the competition clock, eg 11:31:00 hrs is a full minute, 11:31:17 hrs is not.

Landing

Once the aircraft has started its final approach no deviation of over 90° from the deck centreline is permitted. The pilot may choose whatever throttle setting he chooses or may switch off the engine. Once the touchdown is completed the pilot may immediately take off.

Scoring

The score will be the value of the strip in which both main wheels touch down (PS). Touching down on a dividing line scores the higher of the two strips. If the aircraft touches down on a full minute, the time being taken from the official clock, ± 5 seconds a further 50 points is scored (PT). This score will be reduced by 5 points for every second outside ± 5 seconds from a full minute.

Penalties briefed and the following penalties will apply

- 100% - Any part of the aircraft touches the ground before the deck
- 100 % - The aircraft fails to touchdown within the limits of the deck
- 100 % - The aircraft turns by more than 90 degrees from the deck centreline between starting the landing approach and coming to a standstill
- 100 % - The aircraft is unable to taxi or take off unaided following the touchdown although failure to start the engine will not incur a penalty

Thus the score calculation will be (PS + PT) with a maximum score of 250

