

## T Navigation / estimated speed

### Key information

Task sheet. Edition 2

This is as task 3.A5 in the task catalogue

Task type: Navigation; flight recorders required, electronic devices check required.

Complete task brief: This task sheet, task information sheet, electronic devices check procedure, flight recorder check procedure.

### Information which will be provided before the briefing

Briefing time & location.

Task information publish time.

Task window open and close times.

IP and FP gate locations, turnpoint locations, pilot times to arrive at IP2 (time T), length of sections 1, 2 & 3.

Speed declaration sheet.

No-fly zones.

Takeoff and landing deck assignments.

Flight recorder and electronic equipment return deadline.

### Objective

To fly a course between a series of gates having declared an estimated speed, and return to the deck.

### Overview

There are three sections to the task

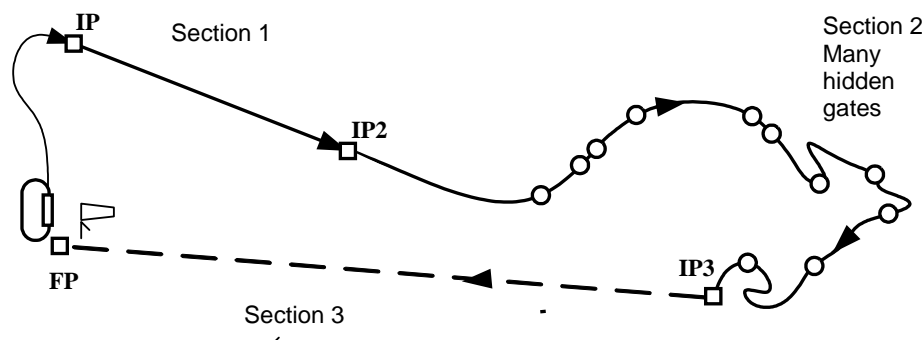
Section 1: Straight line from IP to IP2

Section 2: Wiggly line from IP2 to IP3

Section 3: Straight line from IP3 to FP

Pilots are given an arrival time at IP2. (time T)

Pilots must declare a single estimated speed for all sections.



### Description

Pilots must make his speed declaration and have completed the electrical equipment check procedure **before** aircraft are placed on the takeoff deck.

Free take-off within the time window.

Pilot flies Section 1 from IP to IP2. The pilot has to arrive at IP2 at time T, so he should cross gate IP at a time such that he will arrive at IP2 at the correct time if he flies there at the declared speed. Pilot is scored on the time difference between the time he should have passed IP and the actual time he passed IP.

Whether the pilot arrives at IP2 on time or not, the clock for section 2 starts at time T. Pilot flies section 2, there will be a number of hidden gates in Section 2. Pilot is scored for the gates successfully crossed and / or the time difference between when he should have been at the gate while flying at the declared speed and the actual time when he was there.

The clock for section 3 starts when the pilot crosses the gate at IP3. Pilot flies from IP3 to FP. Pilot is scored on the time difference between the time he should have arrived at FP had he flown there at his declared speed and the actual time he arrived at FP.

In all cases, a time is taken the FIRST time a gate is crossed in the correct direction and all other crossings of that gate are ignored.

Upon landing, all pilots must proceed immediately to the electronic devices and flight recorder checks.

## Penalties

20% task score

- Failure to meet the electrical equipment or flight recorder return deadline.

Zero task score

- Failure to fly through the IP or FP gates in the correct direction.
- Takeoff, or return through the FP gate outside the task window.
- Land out.
- Flight in a no-fly zone.
- Failing to provide a flight recorder track
- Failing to retrieve the electronic devices declaration sheet.

## Scoring

$$Pilot\ score = \left(200 \times \frac{s1P}{s1Max}\right) + \left(500 \times \frac{s2P}{s2Max}\right) + \left(100 \times \frac{nbP}{nbMax}\right) + \left(200 \times \frac{s3P}{s3Max}\right)$$

Where:

s1P, s2P and s3P = Pilot performance in gates (+- 3 min = 0 in each gate)

s1Max, s2Max & s3max = Best performance in gates in each section.

nbP = number of gates passed by the pilot in section 2.

nbMax = Greatest number of gates passed in section 2.