

## **FAI distance options for Badge & Diploma**

The distance performance options are available in the SC3 code. **It is highly recommended that you study the definitions used, these are available in #1.1 of the code.** Particularly important is to understand the Loss of height rule (LOH), how to calculate that and to apply to your flight.

This document is prepared with the best intention of assisting the badge pilot, but **the Sporting Code remains the default rule.**

### **1.4.2.d. STRAIGHT DISTANCE; A COURSE without TURN POINTS starting from RELEASE or a declared START POINT**

Gold Distance	y
Diamond Distance	y
FAI Dist. Diploma	y
National Dist. Diploma	y

- ⇒ Must have declaration.
- ⇒ Has no Turn points.
- ⇒ For Start; Release or Start-line if declared.
- ⇒ For Finish; Landing point, Fix or a Finish-line if declared. (Radius = 500m, Line = 1000m)

### **1.4.2. e. GOAL DISTANCE A COURSE without TURN POINTS, from a declared START POINT to a declared FINISH POINT.**

Gold Distance	y
Diamond Distance	y
FAI Dist. Diploma	y
National Dist. Diploma	y

- ⇒ Must have declaration, with Start-point and Finish-point co-ordinates declared
- ⇒ No Turn points.
- ⇒ Start-line & Finish-line. (Radius = 500m, Line = 1000m)

### **1.4.2. f. 3 TURN-POINT DIST. A COURSE from a RELEASE POINT or a declared START POINT to any type of FINISH POINT, via one, two, or three declared TURN POINTS, which may be flown in any order.**

Gold Distance	y
Diamond Distance	y
FAI Dist. Diploma	y
National Dist. Diploma	y

- ⇒ Must have declaration, with Start-point optional, maximum of 3 Turnpoints, Finish-point optional, all declared with co-ordinates.
- ⇒ You can use any number of the declared Turnpoints and fly them any order.
- ⇒ Can only use a TP once, unless that TP was declared twice
- ⇒ For Start; Release or Start-line if declared. (Radius = 500m, Line = 1000m)
- ⇒ For Finish; Landing point, Fix or a Finish-line if declared. (Radius = 500m, Line = 1000m)
- ⇒ A very flexible task. You can choose the sequence of TP's after take-off.

**1.4.2.g. OUT & RETURN A CLOSED COURSE with only one declared TURN POINT.**

Gold Distance	y
Diamond Distance	y
<b>Diamond Goal</b>	<b>y</b>
FAI Dist. Diploma	y
National Dist. Diploma	y

- ⇒ A CLOSED COURSE requires the co-ordinates of the START POINT and FINISH POINT to be identical.
- ⇒ Must have declaration, with Start-point, 1 Turnpoint and a Finish-point, all declared with co-ordinates.
- ⇒ Must use Start-line = Finish-line. (Radius = 500m, Line = 1000m).
- ⇒ Cannot use release for start, or finish fix/landing for finish.

**1.4.2.h. TRIANGLE A CLOSED COURSE via 2 or 3 declared TURN POINTS flown in the sequence declared. When 3 TURN POINTS are used, the COURSE distance is the sum of the legs between the TURN POINTS.**

Gold Distance	y
Diamond Distance	y
<b>Diamond Goal</b>	<b>y</b>
FAI Dist. Diploma	y
National Dist. Diploma	y

- ⇒ A CLOSED COURSE requires the co-ordinates of the START POINT and FINISH POINT to be identical.
- ⇒ Must have declaration, with Start-point, 2 or 3 Turnpoints and a Finish-point, all declared with co-ordinates. (3TP's allow starting & finishing mid leg)
- ⇒ TP's must be used in the same order as they are declared.
- ⇒ Must use Start-point = Finish-point. (Radius = 500m, Line = 1000m).
- ⇒ Cannot use release for start, or finish fix/landing for finish.
- ⇒ No restriction in terms of the triangle geometry.