EMC 2010 task 10 V2. Area Triangle and Speed

Objective:

With limited Fuel competitors must fly a triangular course with the objective of creating a triangle of maximum possible area. **The first leg will be a speed leg, with points for fast speed.**

Description:

Starting procedure : C, North departure

Detail description:

The task will start and finish at the point SP/FP

The other two turnpoints will form the corners of the triangle which the competitors may choose freely – providing tracks will not infringe any no fly zones.

These two free turnpoints will be the points where the two consecutive sides of the triangle intersect when a precision turn is performed, as illustrated, so the new leg crosses the previous leg.

The area within the triangle created by SP/FP and the two free turnpoints will be calculated to determine the triangle area score.

The first leg will be a speed leg. Timing will start at SP/FP and finish at the intersection of the first two legs, before the start of the precision turn as illustrated.

The task MUST be flown Clockwise as shown. Avoid turning too tightly as this may encourage logger dropouts.

After crossing FP return to Sywell using standard North arrival procedure

After landing taxy or push to the 100M taxy lane which you must taxy through under power.
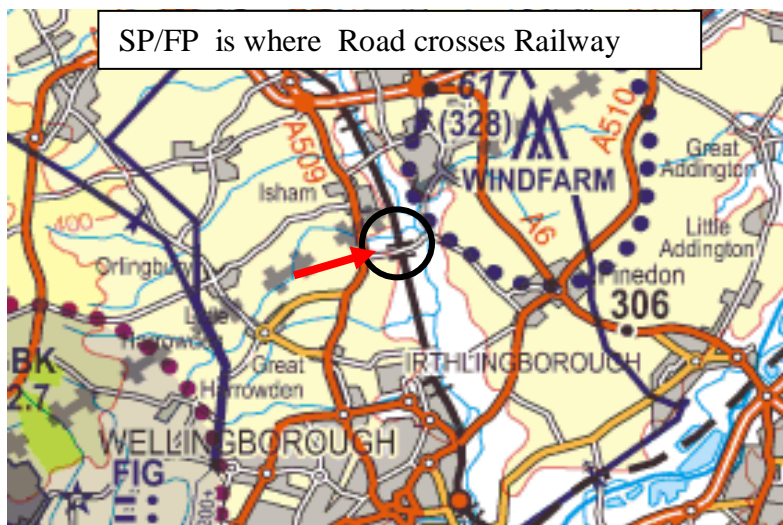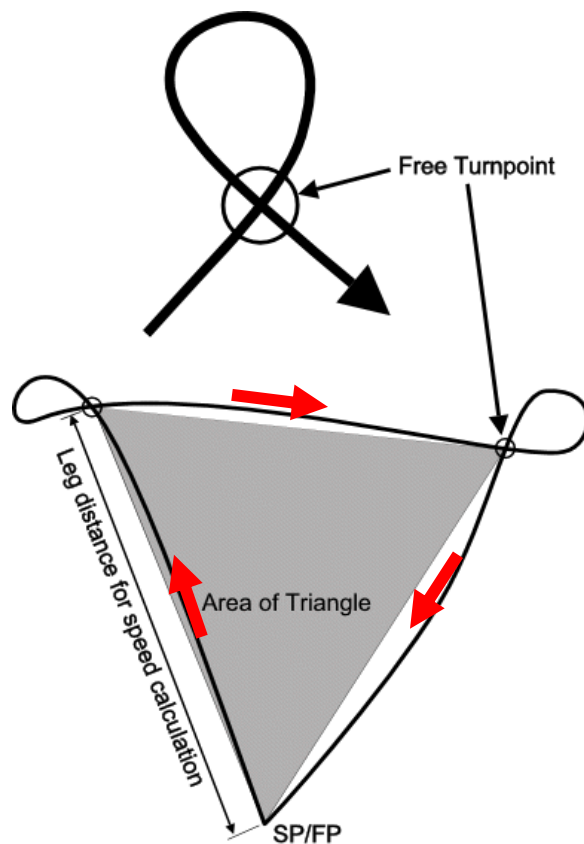
Fuel allowance:

WL2, AL2, GL2 = 14Kg

WL1 = 9Kg

Scoring:

Competitors score = (competitors area/best area x700) + (competitor speed/fastest speed x 300)

Penalties:

As per generic Economy task penalties.


SP/FP is where Road crosses Railway

SP is a gate 500M width orientated along the railway. Setting off on task it must be flown through from West to East to start the time. On return, as FP it will be a turnpoint cylinder 500M diameter which can be flown through in any direction.

No fly zones:

Competitors must avoid all controlled airspace and no fly zones. In addition, for the purpose of this rule Aerodrome traffic zones shall be considered as controlled airspace and cylinders of infinite height. Military Aerodrome Traffic Zones are also considered as controlled airspace and of infinite height.
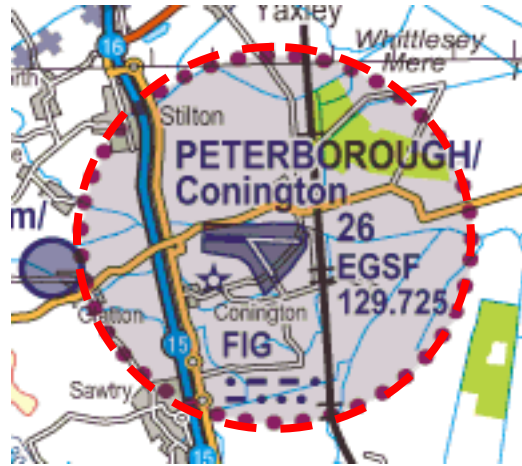
Example of Aerodrome Traffic Zone
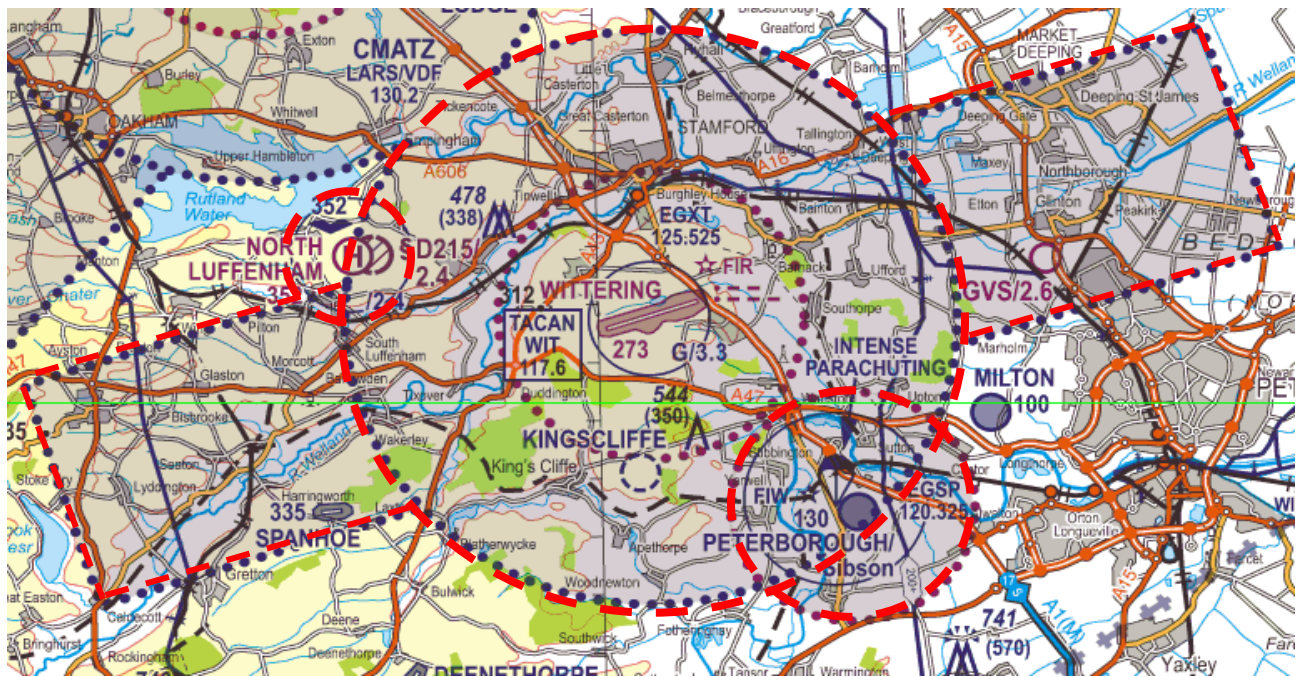
An Example of a military Aerodrome traffic zone