

EMC 2010 Task 16 - Navigation with known track 2.1c - Rainbow

Objective:

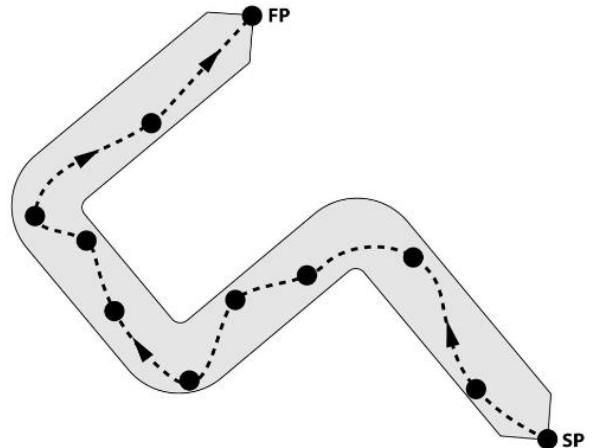
Course consists of two lines. Crews must identify the position of photo features that will lie anywhere along the course between these lines. Points are awarded for flying the course in the minimum elapsed time. Points will also be awarded for completing the course in a declared time.

Description:

Starting procedure : A + departure procedure as briefed

Before flight in Quarantine crews will be given:

Task map
Declaration sheet
Photo sheets



Detail description

Crews fly the given course identifying the location of photo features – which can lie anywhere along the course between the two given lines.

Points will be awarded for flying the course in the minimum elapsed time between crossing SP (actual crossing time) and crossing FP.

Points will be awarded for crossing FP on declared time (absolute time BST).

After crossing FP crews must proceed directly back to the airfield using **standard North arrival procedure**

Standard after landing Navigation task quarantine procedure will apply.

Scoring

Crossing SP on time = 100 points – 2 points per second +/- from given time

Speed score = shortest elapsed time / competitors elapsed time x 200

Declared time score = 200 points – 2 points per second over +/- from calculated time.

Each correctly identified photo feature marked within 3mm on official scoring map = 50 points. If greater than 3mm but less than 5mm = 0 points. If greater than 5mm = -50 points.

Competitor's score = $Q/Q_{max} \times 1000$ where:

Q = Competitor's individual accumulated score

Q_{max} = best individual accumulated score in task/class

Penalties as per generic navigation task penalties. Note – it is intrinsic to the task principle that no backtracking is allowed on this task. Backtracking will be deemed if there is a logged trackline greater than 90 degrees to course direction as referenced by either given course line – 100% penalty.