EMC2010 Task 8 - 2.2a NAVIGATION WITH A PARTIALLY KNOWN TRACK – SNAKES AND LADDERS

Objective:

To fly up the given ladders on predeclared groundspeed, and fly down the wiggly snakes To find the turnpoint features and construct legs between snakes and ladders. To fly the course accurately and to spot photo features.

Description:

Starting procedure : A, south departure

Before flight in Quarantine crews will be given:
Task map
Declaration sheet
Photo sheets

Detail description:
Known track lines will consist of straight line 'ladders' which must be flown up (approximately northwards) and wiggly snakes which must be flown down (approximately southwards). Ladders must be flown at pre declared groundspeed. This will be a single declaration applicable to all ladders.

From SP1 fly the first given line (may be snake or ladder), as accurately as possible and looking for photo features. Some photos will be marked as turnpoints (the letters 'TP' will be in the top right corner). If a turnpoint photo is found, construct and fly a line from that point to SP2 (start of next snake / ladder). If not continue to the end of the given line and construct and fly a straight line to the next SP

Repeat until reaching FP.

There will be tracking gates at unknown positions anywhere on the entire course, and timing gates at all SP's with unknown timing gates before the turnpoint features.

There will be photos of ground features for crews to identify the position of along the whole course.

After crossing FP crews must proceed directly to the airfield and land using **standard arrival procedure 2 from the north.**. After landing the crew must taxy as briefed or marshaled, to the designated post flight quarantine area. **Standard after landing Navigation task quarantine procedure will then apply.**

Scoring:

SP passed correctly = 100 points – 2 points per second +/- from given time

Each track accuracy gate passed correctly = 100 points.

On Ladders, groundspeed timing gates passed correctly = 100 points – 2 points per second +/- 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/Qmax x 1000 where:

Q= Competitor's individual accumulated score
Qmax = best individual accumulated score in task/class

Penalties as per generic navigation task penalties.