



Pocket Guide for Aerial Drones

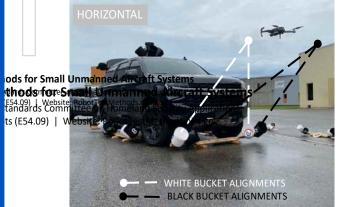


Tests and Scenarios TM International Eta-09 | Website Robots House Translation and Scenarios TM International Eta-09 | Website Robots House Translation and Scenarios Committee of House Translation and House T

Response Role ts (E54.09) | Websit



Day and Night Trials













Website Robot Test Methods. nist. gov







Obstructed Test Lanes and Scenarios

Evaluate safety, capabilities, and proficiency

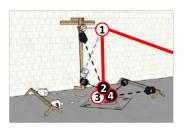
Bucket Alignments Define Flight Paths

Designated altitudes, positions, and orientations

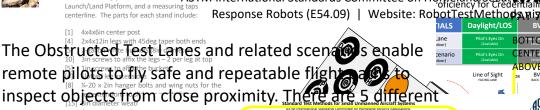


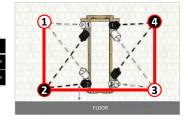


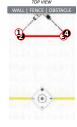
CENTERED 60cm (24ir

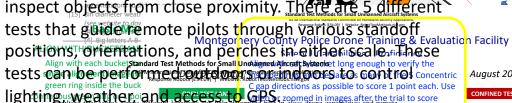


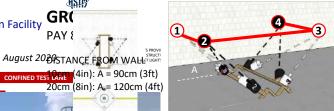


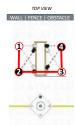


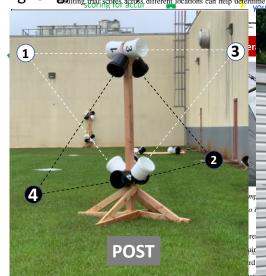


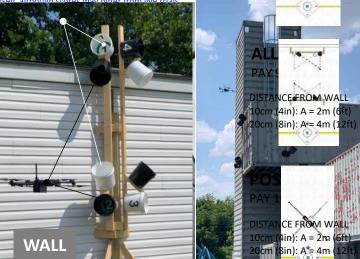


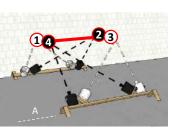


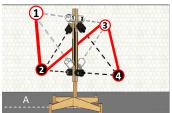


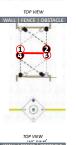


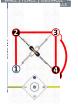












Score: Por complete trials, track your scores over time.

The average of your last five trials is an excellent measure

Call owit each iinternation of movemment before doing so.

of your proficiency on the aircraft and interface used.

Call owit each buicket allignment and acuity target gap.

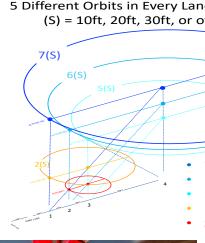
between each rotation to prepare the next aircraft.

Efficiency (Ontional): For complete trials with maximum scores for advanticula paince attitude a

Separate Scores: ALIGNMENT and ACUITY

Track and Compare Scores Using the Same Drone



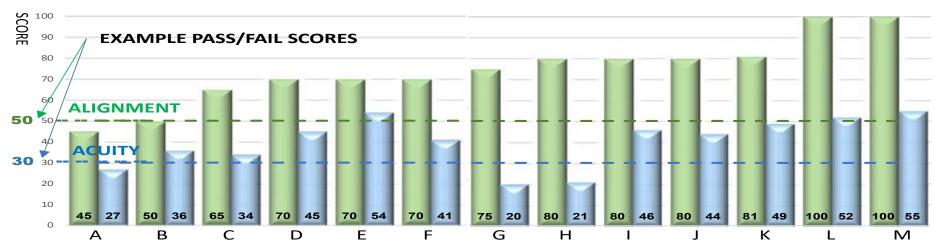


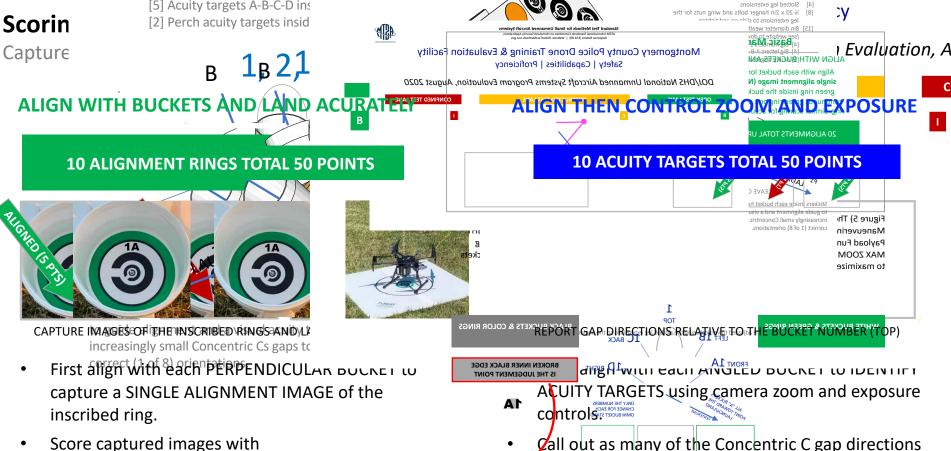


The WALL test shown with alternating pairs of white and black buckets to increase the need to approximate control.



The POST test shown at night with only the white buckets illuminated with ceditined ares



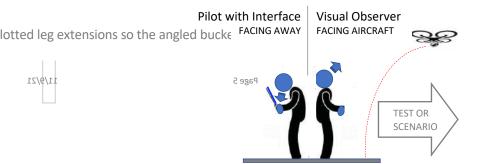


11/9/21

- Score captured images with
 - UNBROKEN RINGS (5 points)
 - BROKEN RINGS (1 point)
 - NO RINGS (0 points, strike through line)
- Accurate landings are not scored.
- Verification of captured alignment images can be during the trial when obvious or after the trial to eliminate discussions during the trial. Images can also be stored for documentation.

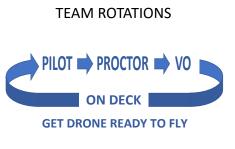
Figure 6) Onen test lanes with all white buckets are used to evaluate basic Manguyering trials only, which is the typical starting boint for hovice produce "lest lanes with alternating while and black buckets are used to with a Visual Observer ซึ่งสีเขลายากิจาการ only as if beyond visual line of sight.

as possible (1 pt each).



Teams Rotate Through Each Role

Each Pilot flies a 5-minute trial with help from others. A 3-4 person team completes all 5 tests in 2 hours.





Four person teams always have one person getting their aircraft ready to launch right after the previous lands.

Three person teams work too, but require some time between each rotation to prepare the next aircraft

PILOT

- Maintain control of the aircraft.
- Call out each intention of movement be
- Call out each bucket alignment and acu tigap.

PROCTOR

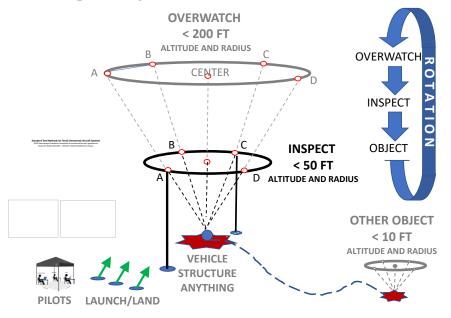
- Fill in the form header.
- Read the test procedures to the Pilot.
- Confirm, record, and attest to scoring after the trial.

VISUAL OBSERVER (VO)

- Maintain sight with the aircraft and surroundings.
- Repeat the Pilot's intention of movement to confirm.
- Call out corrections and warnings as necessary.

Teams Sequence Through Scenarios

Each Pilot flies a 15-minute scenario, sequencing through 3 objectives for 5 minutes each.



- This scenario mechanization enables embedded bucket scoring tasks to be performed similarly by all participating Pilots. So the results are comparable within the same scenario layout. Additional tactics can be overlayed onto these scenarios at your facility.
- Up to 3 teams concurrently fly different scenario objectives from safe distances and altitudes apart.
- Teams move as necessary to maintain sight lines with their aircraft and communications with other teams.
 The overwatch team leads communications.
- Scenarios restart every 20 minutes with a different rotation of Pilot, Proctor, and VO.

