



robotx

2022

PILOT FLIGHT PROFICIENCY TESTING

Objective of the Pilot Flight Proficiency Test

**To demonstrate the pilot's ability to:
take control of the drone/aircraft if required
and
land it safely as and if required**

Pre-flight Check

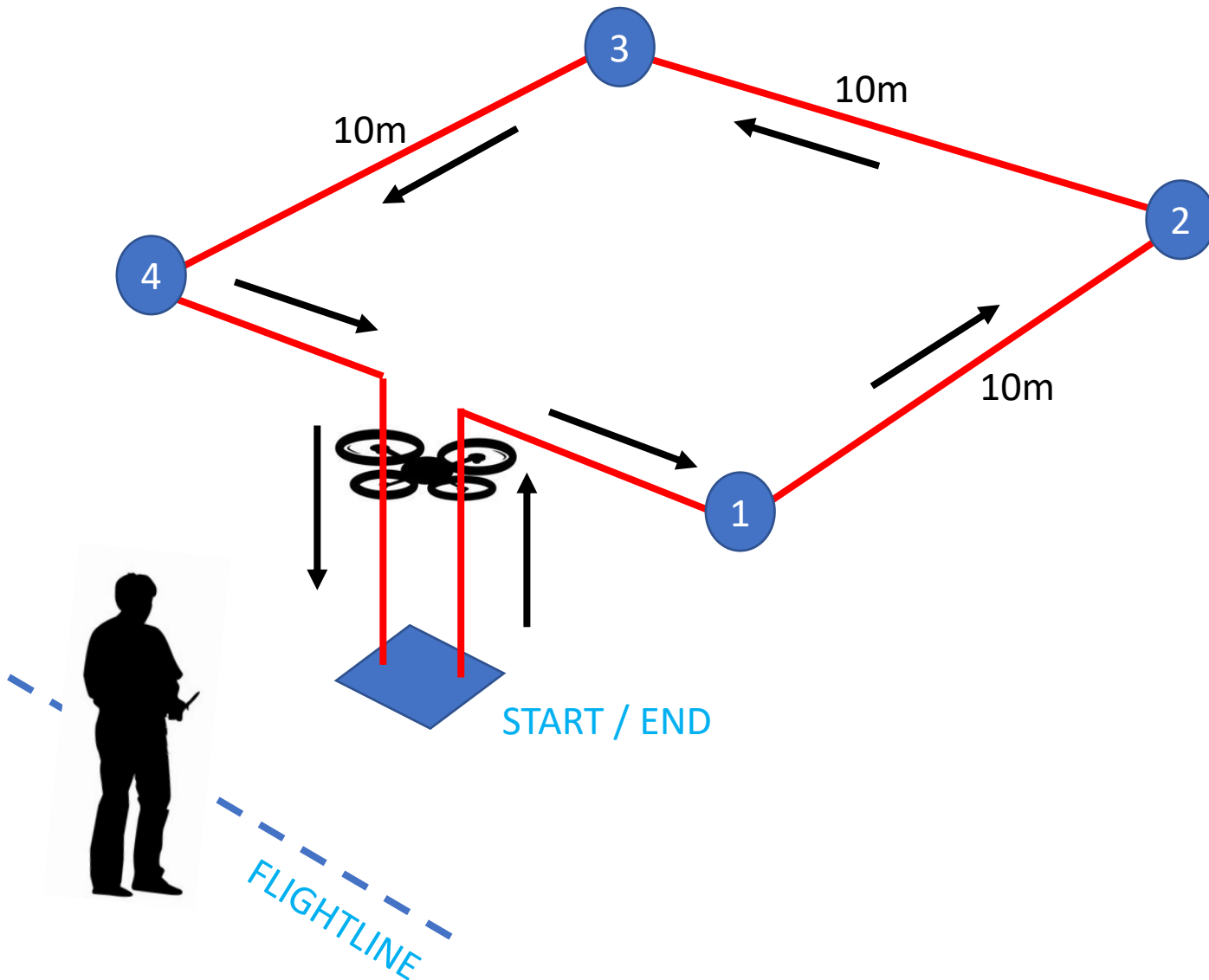
1. Physical inspection of airframe as per your standard check list

It should as a minimum cover:

- Propellers
- Motor mounts
- General airframe & wiring integrity
- Battery security
- Battery capacity checks
- Range test(s)
- Integrations tests with autonomous systems

2. Autonomous flight control disconnected to enable manual flight control mode.

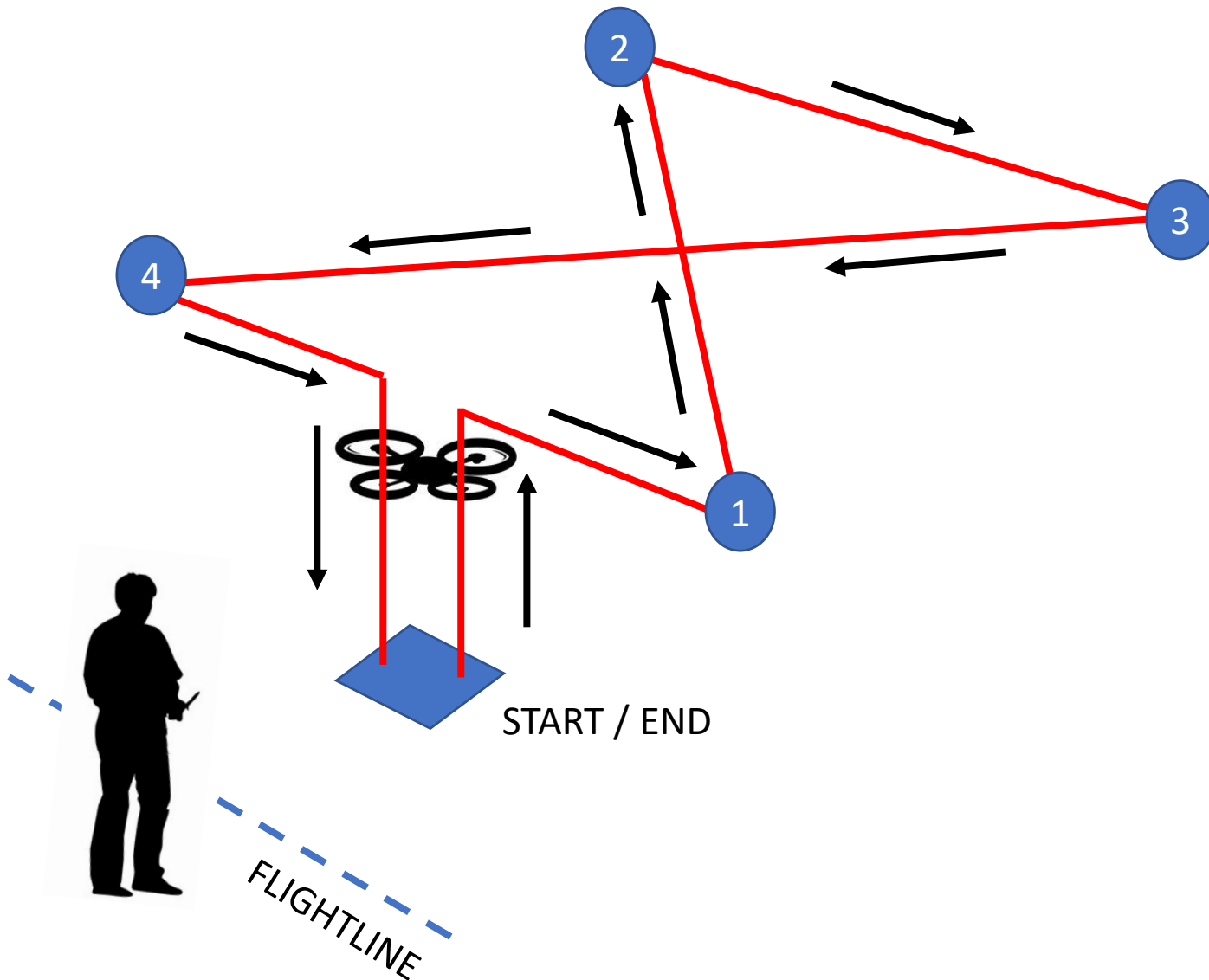
PILOT SAFETY CHECK – ELEMENT # 1



INSTRUCTIONS

- Take-off and establish a hover at an altitude of 2 - 3 metres
- Maintain this altitude for the entirety of the course.
- With the drone facing AWAY from the pilot, complete a square circuit in either direction through each point 1-2-3-4 (or 4-3-2-1).
- Return to the take-off position, hover and land.
- Render the Drone / Aircraft SAFE

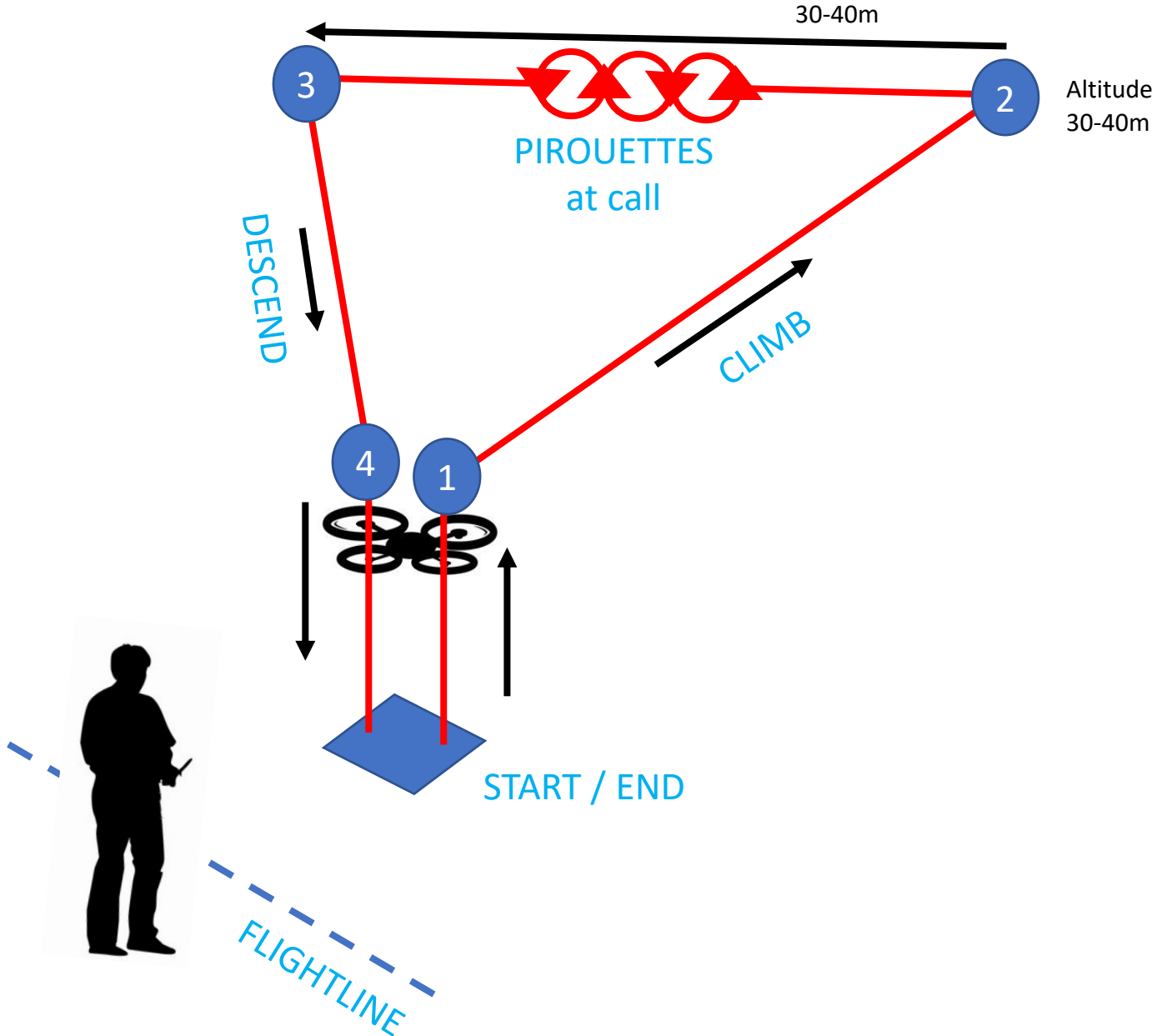
PILOT SAFETY CHECK – ELEMENT # 2



INSTRUCTIONS

- Take-off and establish a hover at an altitude of 2 - 3 metres.
- Maintain this altitude for the entirety of the course.
- With the drone facing AWAY from the pilot, commence hour glass flight in either direction to each point 1-2-3-4 (or 4-3-2-1).
- On return to the take-off position, hover and land.
- Render Drone / Aircraft SAFE.

PILOT SAFETY CHECK – ELEMENT # 3



INSTRUCTIONS

- Take-off and establish a hover at an altitude of 2 - 3 metres.
- Climb up and out to point (2) 30 – 40 metres out at an altitude of 30 – 40 metres.
- Commence towards point (3) assessor will call for 3 – 4 stationary pirouettes, re-orientate and continue to point (3).
- Descend at a 45-degree angle towards the landing area at POINT (4).
- Establish a hover at an altitude of 2 – 3 metres and land.
- Render Drone / Aircraft SAFE.

Post-flight Check

1. Physical inspection of airframe as per your standard check list

It should as a minimum cover:

- Propellers
- Motor mounts
- Battery security
- Battery capacity checks

