

UAV PRE-FLIGHT TEST REPORT

1. Introduction

This document details the preflight inspection and test results performed on the Unmanned Aerial Vehicle (UAV) prior to operation. It ensures all systems are functioning correctly and environmental conditions are suitable for flight.

Date: April 08, 2025

Test Location: Test Field A - Open Range

Operator: John Doe

Pilot: Jane Smith

2. UAV Specifications

Model: SkyRanger X7

Manufacturer: AeroSystems Inc.

Payload: 1.2kg (Thermal Camera + LIDAR)

Battery Type: 6S LiPo, 10,000mAh

Max Flight Time: 35 minutes

3. Preflight Checklist

- Battery fully charged
- Propellers securely fastened
- Firmware updated
- Compass calibrated
- GPS signal lock acquired
- IMU check completed
- Payload secured
- Control link tested
- Failsafe set
- Return-to-Home altitude set
- No-fly zone check completed

UAV PRE-FLIGHT TEST REPORT

- Visual inspection complete

4. Environmental Conditions

Weather: Clear

Wind Speed: 7 km/h

Temperature: 22°C

Visibility: Excellent

No electromagnetic interference detected.

5. Observations & Notes

- Minor delay in GPS lock (~45 seconds)
- All flight surfaces and electronics in nominal condition
- Flight controller logs cleared pre-test
- No critical alerts reported by GCS

6. Pilot & Operator Sign-Off

Pilot Signature: _____

Date: 2025-04-08

Operator Signature: _____

Date: 2025-04-08