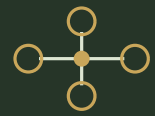


Truck-Ready Flight Checklist

A field card for safe launch, clean data, and useful notes

01 / Operations



BEFORE LEAVING THE YARD

- Remote pilot certificate / TRUST proof available
- Drone registration current and marked if required
- Firmware stable; no surprise updates in the field
- Aircraft, controller, cables, landing pad packed
- Batteries charged; one spare beyond mission plan
- microSD cards inserted, empty, and fast enough
- Lens cloth, propeller set, small tool kit, field notebook

AT THE FIELD BEFORE LAUNCH

- Airspace checked in an FAA-approved app
- Weather acceptable: wind under 15 mph, no precip
- Visibility good; sun/glare manageable
- Launch area clear of people, vehicles, dust, gravel
- Obstacles identified: lines, towers, trees, bins
- Return-to-home altitude set above obstacles
- Mission boundary and altitude verified
- GPS lock acquired and home point set

DURING FLIGHT

- Maintain visual line of sight
- Yield to any manned aircraft - descend or land
- Watch battery, wind drift, and live image quality
- Abort if shadows, fog, rain, or dust ruin the data
- Do not chase a problem beyond planned limits
- Land with at least 20% battery remaining

POST-FLIGHT IN THE TRUCK

- Power down aircraft, then controller
- Inspect props, motors, camera, and gimbal
- Note field, purpose, altitude, battery, image count
- Flag anything needing ground-truthing
- Back up imagery before deleting any card
- Charge batteries to storage level if not flying again

NO-GO TRIGGERS

Controlled airspace without authorization; precipitation; visibility below safe visual line of sight; crop duster or low aircraft working nearby; uncertain home point; battery, prop, or compass warning; people or vehicles in the launch path.

Field rule: the checklist protects the flight, but the notes protect the decision. A good flight log turns imagery into usable evidence.