



# Safety Checklist

- a. Pre Flight Safety Tools
  - i. Visual Observer (Someone to Watch Your Peripheral)
  - ii. Safety Glasses
  - iii. Indoor Flight or Beginners (Drone Propeller Guards)
  - iv. Shadow Protector (Prevent Glare on Mobile Device)
  - v. Orange Cones (Mark Off Drone Flight Area)
  - vi. Landing Pad (Mark Drone Departure and Arrival Spot)
  - vii. Airmap (Communicate with Air Traffic Control)
  - viii. Trust Certificate in Your Pocket
  - ix. Part 107 License in Your Pocket (if Commercial Flight)
- b. Weather
  - i. Low Chance of Rain (Less than 10%)
  - ii. Wind Speed Less than 20 MPH
  - iii. Clouds Above 500'
  - iv. At Least 3 Statute Miles Visibility
  - v. Twilight Hours
  - vi. Emergency Landing Area (Orange Cones)
  - vii. Check Electromagnetic Interference (Especially near buildings, power lines, indoors, etc..)
  - viii. Know Your Obstacles That Present Danger (Buildings, Trees, Etc...)
  - ix. Make Sure You Are Not Flying Over People or Animals
  - x. Discuss Your Flight Mission with the People in Your Flight Crew
    - 1. Who is Your Visual Observer?
    - 2. Does VO Know Your Obstacles?
    - 3. Make Sure Everyone Around You Knows Your Flight Objectives
- c. Aircraft Check
  - i. Is the Registration Sticker Displayed Properly
  - ii. Are There Any Issues With the Aircraft
    - 1. Frame, Propellers, Camera, Etc.
    - 2. Gimbal Lens and Cap Removed
    - 3. SD Card Inserted
    - 4. Clean Camera Lens
    - 5. Battery Full
- d. Power Up
  - i. Remot Transmitter Battery is Full
  - ii. DJI Go App Running
  - iii. Turn On Drone
  - iv. Verify Connection Between Remote and Drone
  - v. Antenna Positioned Correctly
  - vi. Calibrate IMU if Necessary
  - vii. Calibrate Compass Before Each Flight
  - viii. At Least 6 Satellites Connection
  - ix. Proper Setting on Remote for Sport or Controlled Flight



- e. Departure
  - i. Hover for 30 Seconds Eye Level Before Doing Anything Else
  - ii. Double Check for any Emergency Situations (Helicopters, Abnormal Sounds)
  - iii. Check Basic Pitch, Roll, and Yaw Response
  - iv. Lights on Drone are Blinking
  - v. Have VO Confirm all the Above
  - vi. Know How to Use the Emergency Land Button (if applicable)
- f. In Flight
  - i. Always Flying Below 400 Feet
  - ii. Drone is ALWAYS in Line of Sight
  - iii. Nothing is Distracting You (Do Not Check Text Messages, Social Media, Etc.)
  - iv. VO is Watching for Possible Issues
  - v. Speed is Minimal and ONLY Necessary for the Mission
  - vi. No Erratic Movements. Now is NOT the Time to Take Risks.
  - vii. Accomplish the Mission and then Land
  - viii. Stay Clear of Obstacles
  - ix. Watch for People (Never Fly Over People)
  - x. VO is Watching for Possible Issues (Always)
  - xi. Keep the Ringer on Your Phone ON in Case ATC Contacts You
  - xii. Do Not Let ANYONE Distract You
  - xiii. Machismo NOT okay
  - xiv. Consider Your Risk to the People, Animals, and Structures Around You
  - xv. Camera Settings are Targeted for Your Objective
- g. Post Flight
  - i. Check for Drone Structure Abnormalities
  - ii. Remove SD and Send Files to Your Portfolio
  - iii. Pack the Drone in a Secure Case and Store Properly
  - iv. Mission Debrief with Flight Crew About Mission Success and Objective Complete
- h. Commercial Pilots
  - i. Edit Photos if Necessary
  - ii. Deliver to Client Less Than 24 Hours