

FRESNO STATE USRT - FLIGHT LOG

CONTACT PHONE NUMBERS – Contact appropriate agencies based on flight locations.

- Emergencies
 - 911
- KFAT Tower
 - 559.621.4500
- Clovis Community Hospital
 - 559.325.4000
- EMS Flight Line - SkyLife
 - 559.346.1025
- Fresno State Campus PD
 - 559.278.8400
- LCOE
 - 559.278.2500
- USRT – Field Contact
 -

PRE-FLIGHT CHECK LIST

SAFETY

- Verify that all flight crew members are wearing safety glasses when operating UAS.
- Verify that fire extinguisher is easily accessible and meets fire marshal standards.
- Verify that first aid kit is available.
- Verify that all people are standing 8 feet away, and out of the flight path of the aircraft when arming the UAS.

PRE-FLIGHT OPERATIONS

- Verify and monitor weather conditions before flying.
- Verify if airspace classification of flight location meets FAA standards for flying UAS.
 - https://www.faa.gov/uas/resources/uas_regulations_policy/
 - <http://knowbeforeyoufly.org/>
- Verify flight location is clear of people to adhere to FAA standards for flying UAS.

- Verify that flight time does not exceed past official time of dusk.
- Brief flight crew beforehand about mission objective and responsibilities.
- Verify flight crew has Remote Pilot-in-Command (PIC) and Visual Observer (VO).
- Verify that Remote PIC is carrying certification for flying UAS.
- Verify communication device between flight crew is functioning properly.
- Verify that Visual Observer is 10 – 15 feet away to report unexpected factors in surrounding areas that may raise safety concerns.

UNMANNED AIRCRAFT SYSTEM (UAS)

- Visually inspect condition of Unmanned Aircraft System components.
- Inspect airframe structure, including undercarriage, all flight control surfaces, and linkages.
- Inspect registration markings for proper display and legibility.
- Inspect moveable control surface(s), including airframe attachment point(s).
- Inspect servo motor(s), including attachment point(s).
- Inspect the propulsion system, propeller(s), rotor(s), etc.
- Verify all systems (e.g. aircraft, control unit) have an adequate energy supply for the intended operation and are functioning properly.
- Inspect the avionics, including control link transceiver, communication/navigation equipment and antenna(s).
- Calibrate UAS compass prior to any flight.
- Inspect the control link transceiver, communication/navigation data link transceiver, and antenna(s).
- Check ground support equipment, including takeoff and landing systems, for proper operation.
- Check that control link correct functionality is established between the aircraft and the control station. Check for correct movement of control surfaces using the control station.

- Check on board navigation and communication data links.
- Check flight termination system, if installed.
- Check battery levels for the aircraft and control station.
- Check that any equipment, such as a camera, is securely attached.
- Verify communication with UAS and that the UAS has acquired GPS location from at least 4 satellites.
- Verify all controller operation for heading and altitude.
- If required by flight path walk through, verify any noted obstructions that may interfere with the UAS.
- At a controlled low altitude, fly within range of Remote PIC and recheck all controls and stability for potential hazards during flight.

MAJOR FLIGHT GUIDLINES

- Fly below 100 ft.
- Do not fly over people.
- Do not fly in densely populated areas.
- Do not fly over water.
- Remain aware of any physical obstructions.
- Yield the right of way to other aerial vehicles.
- READY TO FLY**

MISSION LOG

FLIGHT DATE & TIMES

Date _____
Flight Start _____
Flight End _____

FLIGHT LOCATION

- Clovis Community College
 - 10309 N Willow Ave, Fresno, CA 93720
- Sierra Meadows
 - Coventry Ave, Clovis, CA 93611
- On Campus
 - Specific Location: _____

FLIGHT MISSION – Description of Operation

TEAM – List designated members and Members Initial

Member	Initials
Remote PIC:	_____
Visual Observer:	_____
Pilot (if not Remote PIC):	_____
Non-Participant Members:	_____
_____	_____
_____	_____
_____	_____
_____	_____

UAV – Model and Registration Number

- DJI S1000
 - o FA3KWMHLPF
- DJI S800
 - o FA3KWMEPMN
- DJI S550
 - o FA3WT4EX7T
- DJI S450
 - o FA3AFCNNCF
- INTEL AERO RTF
 - o _____
- (QUADPLANE)?
 - o _____

FLIGHT OPERATION NOTES – List results of Flight, take note of any crashes and damages.

Remote PIC – Verification/ Authorization

The registered Remote PIC has verified and authorized the above document.

Signature _____ Date _____ Time _____