



Center of Excellence on Unmanned Aircraft System Safety
 University of California, Merced
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Airworthiness Certificate for Small Unmanned Aircraft System

Description of Aircraft

N-number or FA-number: _____ **Registered Owner:** _____

UAS Class: Airship, Glider, Airplane, Rotorcraft, Hybrid Lift, Ornithopter

Manufacturer/Builder: _____ **Model:** _____

(Show full legal name of aircraft manufacturer or builder)

Serial Number: _____ **Max Takeoff Weight:** _____ lbs.

Category: Land, Sea, Both

Name of Engine Manufacturer: _____ **Engine Model Designation:** _____

Engine Serial Numbers: _____

Engine Type: Electric; 2 Cycle Reciprocating; 4 Cycle Reciprocating; Turbojet - Fan/Prop/Shaft/Jet

Number of Engines: _____

Airframe and Operation Specifications

Airframe Specifications		Operation Specifications	
Max Endurance		Max Visibility Distance	
Max Airspeed		Max Wind Speed Tolerance	
Ascent/Descent Speed		Max Mission Time	
Max Takeoff Weight			
Max Payload Capacity			
Max Datalink Distance			
Max RC Safety Link Distance			

Aircraft Operation Procedures

Provide a description of **Preprogrammed** Warnings and Automated Failsafe Behavior (Add additional as necessary)

Warning/Behavior	Description
Low Battery Voltage	
Loss of GPS Signal	
Lost-Link Condition	

For Customized aircrafts, please **provide a description** of the following:

- Ground-based System Evaluation & Testing
- Functional Flight Evaluation & Testing
- Flight Readiness Review

Please **attach** the following (if not already provided for the make and model of the aircraft):

- Flight/User Manual
- Pre-Flight Checklist
- Aircraft Maintenance Schedule

Please **provide a copy** of the following aircraft-specific logs (provide blank copies if new aircraft):

- Flight Log
- Maintenance Log

For Safety Review Board

- All documentation in order
- Satisfactory Completion of Ground Testing
- Aircraft in Good Shape

I, _____, hereby certify that the aircraft is airworthy

Signed : _____ Date: _____