STAR DRONES
مسيرات نجمة

STAR DRONES FLIGHT ACADEMY

OFFICIAL STUDENT PILOT FLIGHT & MAINTENANCE LOGBOOK

Sultanate of Oman *• Innovation Complex Muscat • CAA & ICAO Standard Training*

DOCUMENT REF: *SD-LOG-2026*
REVISION: *v3.2 Pro*
STATUS: *OFFICIAL RECORD*

1. PILOT & TRAINING REGISTRATION PROFILE

Trainee Full Name:	_____	**Student ID:**	_____
Base Airfield:	Muscat Innovation Complex Airfield / Oman	**Lead Instructor:**	_____
Course Track:	**[ ] FAA Part 107 Ground + Field** **[ ] CAA / ICAO Commercial RePL**	**Issue Date:**	____ / ____ / 2026

2. REQUIRED FLIGHT MANOEUVRES & EXERCISES SYLLABUS

Core Flight Exercises	Description & Objective Benchmark	Sign-Off Criteria
360° Inspection & Pre-Flight Check	Complete physical airframe, prop, motor, line-of-sight & battery safety checks.	Checklist Zero Error
Hover Box & Orientation Hold	Maintain precise 2m x 2m stationary hover under varying wind conditions.	Altitude ±0.3m
Figure-8 Pattern & Orbit Circle	Smooth nose-forward coordinate tracking with constant velocity and smooth yaw.	Symmetrical Path
Flat Yaw & Nose-In Maneuvering	Reverse pilot orientation control, nose-in hover and 180° orientation switches.	Orientation Mastery
Manual ATTI Drift & Spot Landing	Fly with GPS disabled (ATTI mode), manual wind compensation & spot landing within 0.5m.	Precision Landing <0.5m
Failsafe & Lost-Link Simulation	Execute emergency return-to-home (RTH), signal loss protocol & manual takeover.	Standard RTH Protocol
Emergency Stop & Traffic Deconfliction	Immediate motor cut/descent simulation, airspace scanning & obstacle avoidance.	Reaction Time <2s
CAA / Star Drones Flight Check	Official practical exam flight protocol (Tasks 1-4) verified by Chief Instructor.	Official CAA Check

LOGBOOK OPERATING RULES & DIRECTIVES:

1. All flight entries must be logged immediately after flight operations in chronological order.
2. Battery IDs and cycle counts must be recorded for safety tracking and LiPo discharge audits.
3. Each flight record requires Student and Instructor verification to count toward official CAA certification minimum hours.

3. FLIGHT OPERATIONS LOG TABLE (ENTRIES 01 – 08)

Entry #	Date (DD/MM/YY)	Aircraft Model & Reg / Serial #	Flight Mode	Battery ID & Cycle #	Takeoff / Landing Time	Duration (Min)	Flight Purpose, Exercises & Manoeuvres Practiced	Landings (Day/Night)	Condition	Instructor Sign / Initials
#01	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] 360° Inspection [ ] Hover Box [ ] Fig-8	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#02	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Flat Yaw [ ] Nose-In [ ] Orbit Circle	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#03	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Manual ATTI Drift [ ] Precision Spot Landing	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#04	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Failsafe Simulation [ ] Lost-Link Procedure	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#05	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Emergency Stop / Descent [ ] Traffic Deconflict	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#06	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Mock Flight Exam Protocol (Tasks 1–4)	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#07	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Official CAA / Star Drones Flight Check	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#08	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] 360° Inspection [ ] Hover Box [ ] Fig-8	D: ____ N: ____	[ ] VLOS [ ] Sim	_____

3. FLIGHT OPERATIONS LOG TABLE (ENTRIES 09 – 16)

Entry #	Date (DD/MM/YY)	Aircraft Model & Reg / Serial #	Flight Mode	Battery ID & Cycle #	Takeoff / Landing Time	Duration (Min)	Flight Purpose, Exercises & Manoeuvres Practiced	Landings (Day/Night)	Condition	Instructor Sign / Initials
#09	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Flat Yaw [ ] Nose-In [ ] Orbit Circle	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#10	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Manual ATTI Drift [ ] Precision Spot Landing	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#11	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Failsafe Simulation [ ] Lost-Link Procedure	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#12	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Emergency Stop / Descent [ ] Traffic Deconflict	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#13	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Mock Flight Exam Protocol (Tasks 1–4)	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#14	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Official CAA / Star Drones Flight Check	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#15	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] 360° Inspection [ ] Hover Box [ ] Fig-8	D: ____ N: ____	[ ] VLOS [ ] Sim	_____
#16	___/___/___	_____	[ ] GPS [ ] ATTI [ ] Sport	Bat: _____ Cyc: _____	TO: ___:___ LD: ___:___	_____ min	**Manoeuvres:** [ ] Flat Yaw [ ] Nose-In [ ] Orbit Circle	D: ____ N: ____	[ ] VLOS [ ] Sim	_____

4. CUMULATIVE FLIGHT TIME & BATTERY MAINTENANCE SUMMARY

Aggregate hours toward official commercial licensing requirements (minimum CAA supervised flight hour benchmarks).

Aircraft Fleet ID	Previous Total Time	Page Total Time	Running Total Hours	LiPo Discharge / Storage Check	Instructor Verified Sign
Fleet Unit A (Multirotor)	_____ hrs _____ min	_____ min	_____ hrs _____ min	[ ] PASS [ ] FAIL	_____
Fleet Unit B (Fixed-Wing / VTOL)	_____ hrs _____ min	_____ min	_____ hrs _____ min	[ ] PASS [ ] FAIL	_____
Fleet Simulator (Flight Sim)	_____ hrs _____ min	_____ min	_____ hrs _____ min	N/A (Simulated)	_____

5. INSTRUCTOR NOTES & FLIGHT DEFICIENCIES LOG

Note for Certified Flight Instructors (CFI-UAS): *Annotate stick technique, orientation correction speed, wind drift management, and checklist compliance.*

Flight Ref	Instructor Observations & Technical Deficiencies	Mandatory Corrective Action & Practice Task
Entry #____	Observations: _____ _____	Corrective Action: _____ _____
Entry #____	Observations: _____ _____	Corrective Action: _____ _____
Entry #____	Observations: _____ _____	Corrective Action: _____ _____

6. ENDORSEMENT OF FLIGHT COMPETENCY

I hereby certify that the flight times and training exercises entered in this logbook accurately reflect true student airwork conducted under the direct supervision of Certified Flight Instructors at the **Star Drones Flight Academy**, in compliance with Civil Aviation Authority (CAA) regulations and international ICAO drone training standards.

Student Pilot Signature: _____
Date: _____ / _____ / 2026

Chief Flight Instructor (CFI): _____
CAA License #: _____