EMERGENCY PROCEDURES

VLOS | DJI | Single Drone | 01-02-2025 07:23
Emergency Procedures
o   Aircraft close: Activate kill switch
o   Threatening wildlife: Get in car, RTH
o   Operational volume breached: Kill switch, call ATC
o   Loss of control/fly-away: Try control, kill switch, call ATC
o   Bush fire: Call radio room
o   Crew unfit: RTH, first aid, call radio room

CONTINGENCY PROCEDURES

Contingency Procedures

o   Low battery/high drain: RTH or land
o   High-wind: Lower altitude, RTH or land
o   Aircraft approaching: Lower altitude
o   Wildlife approaching: RTH, get in car
o   UAV warnings/errors: RTH or land
o   Communication link issues: Orient antenna, RTH
o   Poor weather: RTH
o   Crew unwell: RTH
o   3rd party approaching: Avoid overflying, assisstant pilot to communicate and avoid distraction

FIRST FLIGHT

VLOS | DJI | Single Drone | 01-02-2025 07:23

GoPro

- o Verify GoPro battery level, available recording time, and camera settings
- o Begin GoPro recording and announce operation details

Operational Environment

- o Assess environment (airspace and topography)
- o Identify direction of north

Safety Briefing

- o Check crew roles, safety vests, and ensure team is behind the pilot
- o Assign evacuation car seats
- o Confirm 'IMSAFE' readiness
- o Review contingency and emergency procedures

Equipment

- o Position the landing mat away from the pilot
- o Conduct UAS inspection
- o Power on the UAS, check failsafes, and confirm controller mode

PRE-FLIGHT

VLOS | DJI | Single Drone | 01-02-2025 07:23

GoPro
o   Verify GoPro battery, remaining time, and settings
o   Start GoPro recording and announce operation details

Environment
o   Assess weather conditions
o   Confirm mission plan and brief team

Equipment
o   Insert a new SD card
o   Check remaining battery, swap if needed.
o   Power on UAS, check for errors, GPS fix, and RSSI strength

Final Checks
o   Team go/no-go decision
o   Announce 'TAKING-OFF', then take off and move away from pilot
o   Verify flight performance away from pilot

IN-FLIGHT

VLOS	DJI	Single Drone	01-02-2025 07:23
Flight Operations

o   (Optional) Upload waypoint mission
o   (Optional) Start recording
o   Monitor weather conditions
o   Monitor UAS status
o   Monitor transmitter battery
o   Monitor air traffic
o   Announce before landing

POST-FLIGHT

VLOS | DJI | Single Drone | 01-02-2025 07:23
Post-Flight Operations

- o (Optional) Stop on-board recording
- o Remove batteries and SD card
- o Inspect UAS
- o Stop GoPro recording
- o Notify ATC if operations are complete

OPERATION PLANNING

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Operational Environment

o   Verify Airspace and Topography
o   Review Weather Forecast

Crew

o   Confirm Pilot Certification
o   Schedule Pilot Assistant
o   Agree on Mission Plan and Generate Checklist

Regulations
Equipment

o   Inspect Drone and Equipment
o   Pack All Equipment

PRE-OPERATION

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3rd Parties
o   Notify ATC / Get Approval from David / Verify Approval on WildOps
o   Notify Radio Room
Operational Environment
o   Review Weather Forecast
Crew
o   Assign Crew Roles
Packing
o   Complete Packing Checklist

PACKING

VLOS | DJI | Single Drone | 01-02-2025 07:23

UAS Operation

- o Correct Mission Checklist
- o UAS, Spare UAS, and Controller (with maps downloaded offline)
- o Charged UAS Batteries, and spare batteries
- o Empty SD Cards for UAS
- o GoPro and Accessories
- o Safety Vests (2)

Personal

- o Water
- o Hat and Sunglasses
- o Sunscreen and Mosquito Repellent
- o Charged Phone and Power Bank

Car

- o Reserve Water
- o First Aid Kit and Snake Bite Kit
- o Binoculars

POST-OPERATION

VLOS | DJI | Single Drone | 01-02-2025 07:23
Post-Operation Tasks

- o Notify ATC and Ol Pejeta comms room
- o Backup and format SD cards
- o Recharge or storage charge batteries
- o Document the flight
- o Report incidents or accidents