



EMERGENCY PROCEDURES

Night BVLOS | DJI | Single Drone | 03-03-2025 11:50

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

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Contingency Procedures

- o Low battery/high drain: RTH or land
- o High-wind: Lower altitude, RTH or land
- o Aircraft approaching: Lower altitude (Switch to Sports mode)
- 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, assistant pilot to communicate and avoid distraction
- o Flight geography breached: RTH or follow emergency



FIRST FLIGHT

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GoPro

- o Verify GoPro (battery, time, settings), then start recording and announce operation details.

Operational Environment

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

Equipment

- o Power on the Controller, and confirm controller mode
- o Conduct UAS inspection, and insert a new Battery & SD card
- o Power on the UAS, check failsafes, errors, GPS fix, and RSSI strength:
- o Switch light strobes on
- o Position the landing mat away from the pilot

Safety Briefing

- o Confirm mission plan, check crew roles
- o Confirm 'IMSAFE' readiness
- o Review contingency and emergency procedures

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



SUBSEQUENT-FLIGHT

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GoPro

- o Verify GoPro (battery, time, settings), then start recording and announce operation details.

Equipment

- o Power on the Controller
- o Insert a new Battery & SD card
- o Power on UAS, check for errors, GPS fix, and RSSI strength
- o Check communications and VHF

Final Checks

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

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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

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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
- o Submit Operation Request on WildOps

Regulations

- o Confirm Operational Limits (5km, Flight Geography)
- o Maintain RLOS
- o Map Operation During Daytime

Equipment

- o Inspect Drone and Equipment
- o Pack All Equipment



PRE-OPERATION

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3rd Parties

- o Notify ATC (+254 798 984 005)
- o Notify Radio Room (+254 723 312 673)

Operational Environment

- o Review Weather Forecast (wilddrone.droneweb.dk/weather_check)
- o Ensure Daytime Mapping Completed

Crew

- o Assign Crew Roles

Packing

- o Complete Packing Checklist



PACKING

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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 VHF Radio and Communication Devices
- o ADS-B In Receiver
- o Portable lights

Personal

- o Water
- o Warm clothes
- o Mosquito Repellent
- o Charged Phone and Power Bank

Car

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



POST-OPERATION

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Post-Operation Tasks

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