



## REMOTELY PILOTED AIRCRAFT (RPA)

Application Form to operate Remotely Piloted Aircraft (RPA) within Namibia.

<b>Application Form for Remotely Piloted Aircraft Operations</b> <i>To be completed by the Owner or Operator</i> <i>(Also to be completed by a foreign operator for an approval to conduct operations in Namibia)</i>	
<b>Section 1. Applicant information</b>	
1a. Operator, or if applicable, Company registered name and trading name if different. Address: mailing address; telephone; fax; and e-mail.  Nathalie [REDACTED] Nom / Prénom Coordonnées (adresse, numéro(s) de téléphone, mail)	2. Pilot(s) of remote aircraft. Address: mailing address; telephone; fax; and e-mail.  Nathalie [REDACTED] Nom / Prénom Coordonnées (adresse, numéro(s) de téléphone, mail)
1b. RPA operator certificate number (if applicable):  Recreational use	2b. Remote pilot(s) license number(s) or letter of authorization if applicable:  <b>NB ATTACHED FILE:</b> Pilot licence - [REDACTED] Nathalie.pdf
<b>3. Insurance Information:</b> Name of Insurer and address, including telephone: fax and e-mail.  Lloyd's Insurance Company S.A. (CoverDrone) 142 Nantwich Road Crewe Cheshire CW2 6BG United Kingdom +44 1270 448998 faye@coverdrone.com	
<b>Section 2: Aircraft identification</b>	
1. Aircraft registration number, identifying marks, or serial numbers (as applicable): UAS-FR-[REDACTED] DJI Spark Serial number: [REDACTED]	
2. Aircraft identification to be used in radiotelephony, if applicable: <b>No applicable</b>	
3. Aircraft type: <b>Multicopters drone</b>	
4. Aircraft description (eg. Engines, propellers, wing span): <b>NB ATTACHED FILE: Aircraft registration</b>	
5. Aircraft controlled via <input checked="" type="checkbox"/> Line of sight <input type="checkbox"/> Satellite <input type="checkbox"/> Computer program <input checked="" type="checkbox"/> Other <b>WIFI, Smartphone application</b>	
<b>GPS / GLONASS for the "return to home" mode, not for the control of the drone</b>	
6. Aircraft maximum flight altitude : <b>100m = 328ft</b>	
7. Aircraft maximum range from remote pilot station : <b>300m max</b>	

8. Aircraft equipment (eg. Sprayers, camera, type, live feed or photographs, aerial mapping equipment etc): **camera (movie and photography)**

9. If camera equipped, aircraft camera transmission destination:

Operator/Company home base

Image transmission destination

Other

(identify): \_\_\_\_\_

10. Frequency band to be used: **Secure personal WIFI**

11. Aircraft radio station licence number, if applicable: **Not applicable**

### Section 3. Description of intended operation

1. Proposed type(s) of operation:

Aerial mapping;  Aerial surveying;  Aerial photography;  Aerial advertising

Aerial surveillance and inspection;  Forest fire management;  Meteorological service

Search and rescue;  Accident/incident investigation;

Cargo, indicate type of cargo: \_\_\_\_\_

Is cargo classified as dangerous goods:  yes;  no

Is payload internal  or external

Other (specify): \_\_\_\_\_

2. Flight Rules:  VFR;  IFR;  IMC;  VLOS (Visual Line of Sight only)

3. Dates/Geographic areas/description of intended operations and proposed route structure:

a. Date(s) of intended flight (dd/mm/yyyy): **To 29<sup>th</sup> October until 11<sup>th</sup> November 2019**

b. Point of departure: **Windhoek**

c. Destination: **Solitaire, Fish River Canyon, Sassuslei, Walvis Bay (skeleton bay), Spitzkoppe, on the road to Etosha, Waterberg**

d. Route to be followed: **B1, C24, C10, C37, C14, B4, C27, C19, C13, B2, C35, C33, C38, C39, C22, B6, C29, C30, except in nationals parks and restrictions areas (mobile applications with restrictions maps)**

e. Cruising speeds(s): **15km/h = 10mph in photography mode**

f. Cruising level(s)/altitude: **45m = 147ft**

g. Duration/frequency of flight: **15 min/battery (we have 2 batteries) / approximately 3 times per day**

h. Emergency set down sites along proposed route: **The drone have a "back to home" mode, so it can't fall to people even if there are no battery, it back to the departure point.**

i. For emergency landings:

1. responsible person for aircraft recovery: **Nathalie** \_\_\_\_\_

2. responsible person for clean up if impact occurs: **Nathalie** \_\_\_\_\_

j. Emergency contact telephone numbers: **+33(0)** \_\_\_\_\_

### Section 4. RPA Characteristics

1. RPA Characteristics:

a. Type of aircraft: **Drone DJI Spark**

b. Maximum certificated take-off mass: **300g = 0lb 10.58oz**

c. Number of engines: **1**

d. Take-off and landing requirements: **no requirements**

e. Detect and avoid capabilities: **obstacle detector, follow flight**

f. Number and location of remote pilot stations and handover procedures between remote pilot stations, if applicable: **1 remote connected to smartphone**

g. payload information/description: **Naked (drone + battery + fixed camera + propeller protections)**

h. Visual control for takeoff and/or landing or takeoff and landing handled through camera on board : **automatic system to landing and takeoff (control by smartphone)**

**We are always 2 people : 1 to control the flight and 1 to watch the drone in line of sight**

## 2. Performance characteristics:

a. Operating speeds: **15km/h = 10mph in photography mode**

b. Typical and maximum climb rates: **3 m/s (9,8 ft/s)**

c. Typical and maximum descent rates: **3 m/s (9,8 ft/s)**

d. Typical and maximum turn rates: **15km/h = 10mph in photography mode**

e. Maximum aircraft endurance: **15 min/battery (we have 2 batteries)**

f. Aircraft maximum flight altitude and maximum range from remote pilot station: **100m = 328ft / 300m max**

g. Other, such as limitations for wind, icing, precipitation e.t.c. : **"UAV Forecast" application for flight conditions, we do not use the drone if there are precipitations (not waterproof, light weight)**

**For additional informations about the drone, please refer to : <https://www.dji.com/fr/spark/info>**

## 4. Communications, Navigation and Surveillance capabilities (not applicable for VLOS below 150 feet)

~~a. Aeronautical safety communications frequencies and equipment:~~

~~i. ATC communications, including any alternate means of communication, as applicable:~~

~~ii. Command and control links (C2) including performance parameters and designated operational coverage area;~~

~~iii. Communications between remote pilot and RPA observer, if applicable;~~

~~b. Navigation equipment; and~~

~~e. Surveillance equipment (e.g. SSR transponder, ADS-B out, as applicable).~~

**NOT APPLICABLE**

## 5. Emergency procedures:

a. Communications failure with ATC (if applicable):

**If the drone is not landing, it can't takeoff. If the drone is on flight, the drone activated automatically the "back to home" function**

c. Remote pilot RPA observer communications failure, if applicable:

**The pilot can in all time used the "back to home" function**

d. Satellite failure, if applicable: **If the drone is not landing, it can't takeoff. If the drone is on flight, it parks where he is and activated automatically the "back to home" function when the battery failed.**

e. Recovery during unplanned landings: **"back to home" function**

f. Communication procedure with local law enforcement in case of impact: **The function is not available on the drone but we have a smartphone and a satellite phone (provided by the vehicle rental company)**

**Attach copies of the following, in English translation if original documents are not in the English language:**

- **Insurance certificate;**
- **+ Pilot licence - Nathalie**
- **+ Aircraft registration**
- Geographical maps of drone flight locations;
- ~~Company registration and work permits (if applicable - commercial applications only)~~

<ul style="list-style-type: none"> <li><del>Noise certification document issued in accordance with ICAO Annex 16 (if applicable);</del></li> <li><del>Operator security programme (if applicable);</del></li> </ul>			
Signature of Applicant:		Date (dd/mm/yyyy):	Name and title:
Signature		05/10/2019	Nom Nathalie
<b>Section 5 to be completed by the NCAA</b>			
AIR Evaluation by (name and office):		Sign:	
FOPS Evaluated by (name and office):		NCAA decision: <input type="checkbox"/> Approval granted <input type="checkbox"/> Not approved  Sign:	
Remarks:			
Signature of NCAA representative:		Date (dd/mm/yyyy):	