Application for U-AID Authorization

By completing this application, the Concept of Operation (CONOPS) is produced.

Section I: Introduction	
Provide a brief description of the proposed operation (e.g. emergency health delivery, damage assessment, search and rescue, public welfare, media coverage, etc.)	
Section II: Applicant/Operator Information	
Company Name	
Address	
City	
Postal code	
Company phone number	
Company email address	
Country	
Point of contact (POC) last/first name	
POC direct mobile phone number	
POC email address	
Section III: Airspace & Services	
1) Define geographic location and boundaries (provide geographic information in readable exchange format (i.e. CSV)	
2) List proposed class(es) of airspace	
3) Describe airspace characteristics (controlled, uncontrolled, special use, etc.)	
4) Will segregated airspace be requested?	
Section IV: Unmanned Aircraft Specifications	
1) Attach drawings or photographs of the unmanned aircraft	
2) Attach specifications	
a) UA length, diameter, wingspan	
b) Gross weight	
c) Aircraft type	
d) Payload carriage capability	
e) Thrust system: electric, battery, reciprocating piston or turbine.	
f) Motor or engine specification	
g) Propeller specifications	
h) Maximum operating altitude	
i) Maximum cruise speed	
j) Fuel type	
k) Battery system and backup	
l) Unique features/appliances/termination system such as parachute	
m) Endurance (time)	
n) Range (distance)	

o) Mtr's specified operating limitations (wind, temperature, air density, precipitation, vibration, icing, lightning, electromagnetic interference (EMI))	
p) Detect and avoid (DAA) system for BVLOS Operations	
Section V: Flight Conditions	
1) What meteorological conditions are planned:	
a) Visual Meteorological Conditions (VMC)	☐
b) Instrument Meteorological Conditions (IMC)	☐
c) Maximum crosswind component	
2) What line-of-sight operations are planned:	
a) Visual line-of-sight (VLOS)	☐
b) Beyond visual line-of-sight (BVLOS)	
Section VI: Crew and Personnel	
3) Identify crew and support personnel	
4) Detail the role(s) of the crew and support personnel	
5) Specify role changes during contingency or emergency operations	
6) Identify the training level for each crew member including those preparing/handling dangerous goods	
Section VII: Ground Station and Support Equipment	
1) Describe the control station configuration	
2) Describe physical security of the control station	
3) Describe control station software applications	
4) Describe data collection software	
5) Describe support equipment	
6) Describe any alert schemes (advisory, caution, warning)	
7) Describe the flight termination system	
Section VIII: C2 Link	
1) Describe the C2 Link functions between the UA and control station	
2) Describe how software updates are checked	
a) Describe the electronic security of the C2 Link	
b) Specify contingency procedures for lost C2 Link or loss of positive control	
c) Describe any real time, situational awareness features	
d) Describe how communications between remote pilot and ATC will occur	
e) Describe any additional communication links	
Section IX: Execution of Operation	
1) Describe preflight preparation	
2) Flight plan details (time, distance, fuel/battery usage)	
a) Include details for each phase of flight	

3) Describe communications between the remote pilot and UA observer(s)	
4) Contingency procedures for loss of communication with remote flight crew members	
5) Describe the number of handover procedures between control stations	
6) Explain the level of automation of the UA to be used	
7) Describe flight over people not participating in the operation	
8) Describe off-set distances from people or obstructions	
9) Describe procedures for violation of geographic volumes	
10) Describe emergency recovery procedures including carriage of dangerous goods recovery	
11) Describe accident/incident reporting procedures	
Section X: Risk Assessment	
1) Operational Risk Assessment (ORA)	