



REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS) PROSPECTIVE OPERATOR PRE-ASSESSMENT STATEMENT

Note 1 – for details on completing this form, and for definitions of acronyms and abbreviations, see information following

this form.

Note 2 – complete all fields. If not applicable, please write N/A.

RPAS Operator Information

1. Name of RPAS operator: _____

2. Business Name of RPAS Operator if different from (1) above: _____

3. Address/GhanaPostGPS address of the principal (main) base where operations will be conducted, include address of secondary base of operation, if appropriate (do not use a post office box):

4. Mailing address: _____

5. Proposed start-up date (*Note a minimum period of 60 days is required for certification*): _____

6. Management and Key Staff Personnel
Name (Surname first)

Title

Telephone & email

RPAS Information

7. State of Registry and aircraft registration (*attach copies of certificate of registration and certificate of airworthiness*).

Alternative airworthiness documents (*attach copy*).

8. Aircraft radio station licence number (*attach copy of aircraft radio station licence*): _____

9. Noise certificate (*attach copy of certificate*).



Remote pilot(s) and RPA Observer(s) Information

10. Name:	11. Type of licence or certificate and number (<i>attach copy of licences or certificates</i>):	12. Experience of remote pilot or RPA observer (detailed description):
a)	a)	a)
b)	b)	b)
c)	c)	c)
d)	d)	d)
e)	e)	e)
f)	f)	f)

RPA Performance Characteristics (including appropriate units of measurement)

(attach picture or sketch of RPA)

13. Type of aircraft: _____ 14. Maximum take-off mass: _____ 15. Wake turbulence category: _____

16. Number and type of engine(s): _____ 17. RPA dimensions (wing span/ rotor diameter): _____ 18. Maximum speed: _____

19. Minimum speed: _____ 20. Cruising speed: _____

21. Typical and maximum climb rates: _____ 22. Typical and maximum descent rates: _____

23. Typical and maximum turn rates: _____ 24. Maximum aircraft endurance: _____

25. Other relevant performance data or information to declare (maximum operating altitude): _____

26. CNS capabilities (including alternate means of communication with remote pilot station(s)):

Communications: CPDLC VHF UHF SATCOM HF Telephone: landline mobile phone

Navigation: DME VOR GNSS ADF ILS GBAS RNAV _____ RNP _____ RVSM _____

Surveillance: transponder mode(s): _____ ADS-B ADS-C ACAS

Other: _____

27. Detect and avoid capabilities: _____



Operations

28. Purpose of operation: _____
29. Aircraft identification to be used in radiotelephony, if applicable: _____
30. Date of flight(s): _____ 31. Duration/frequency of flight(s): _____
32. Flight rules: I V Y Z 33. Type of operation: VLOS BVLOS
34. Number and location(s) of remote pilot station(s): _____

35. Handover procedures between remote pilot stations: _____
36. Point of departure: _____ 37. Point of destination: _____
38. Take-off and landing characteristics: _____

39. Route: _____
40. Cruising altitude: _____
41. Payload information/description: _____

Use of Communication Capabilities

42. ATS communications: _____
43. Command and control (C2) link: _____
44. Communications between remote pilot and RPA observer, if applicable: _____
45. Payload data link: _____

Contingency and Emergency Procedures

46. Loss of C2 link (partial or total): _____
47. Failure of ATC communications (partial or total): _____
48. Failure of remote pilot/RPA observer communications: _____
49. Other emergencies: _____

Security Measures Associated with the RPA Operation



50. Physical security of remote pilot station(s): _____

51. Physical security of RPA while on the ground: _____

52. Security of C2 link: _____

Liability and Insurance

53. Document number of insurance policy (*attach copy of liability and insurance document*): _____

54. Attachments:

- copy of certificate of registration (one for each RPA)
- copy of certificate of airworthiness (one for each RPA)
- copy of associated RPAS components certificate(s)
- copy of RPAS approval
- copy of RPAS operator certificate
- copy of aircraft radio station licence(s)
- copy of licence(s) or certificate(s) of remote pilot(s) and RPA observer(s)
- copy of all relevant operations specifications
- rendering or photographic depiction of RPA
- copy of RPA flight manual emergency procedures
- copy of liability insurance document(s)
- copy of RPA noise certificate
- other attachment(s)

55. **Signature of Applicant:** _____

56. **Date:** _____



INFORMATION REQUIRED FOR THE COMPLETION OF RPAS APPLICATION FORM

RPAS Operator Information

- Item 1 Name of RPAS operator — indicate the name of a person, organization or enterprise engaged in, or offering to engage in, the RPAS operation.
- Item 2 Indicate if business or trading name is different from item 1.
- Item 3 Indicate physical location of main and secondary bases of operation. GhanaPostGPS Address may be used.
- Item 4 Mailing address — indicate the current contact mailing address of the operator.
- Item 5 Proposed date when operations are planned to begin.
- Item 6 Names of key company personnel as applicable in Part 9 of Ghana Civil Aviation (Safety) Regulations L. I. 2000 subsection 9.2.2.2

RPAS Information

- Item 7 State of Registry and aircraft registration — indicate the name of the State on whose register the RPA is entered as well as the aircraft registration marks or serial number in the absence of the former. Copies of the Certificate of Registration and Certificate of Airworthiness issued by the State must be attached. The specific titles of any alternative airworthiness documents must be indicated. These may include, for example, a temporary flight permit.
- Item 8 Aircraft radio station licence number — indicate the aircraft radio station licence number. If the remote pilot station(s) contains an aircraft radio station, indicate the appropriate licence number as well.
- Item 9 Noise certificate — indicate title and number of the document attesting noise certification of the RPA in accordance with the applicable Standards specified in Annex 16 — *Environmental Protection*, Volume I — *Aircraft Noise*, if applicable.

Remote Pilot(s) and RPA Observer(s) Information

- Item 10 Name — indicate the name(s) of the remote pilot(s) who will operate the RPAS and of any RPA observer(s).
- Item 11 Type of licence or certificate and number — indicate the licences or certificates issued by the State for remote pilot(s) certifying their respective qualifications.
- Item 12 Experience of remote pilot or RPA observer (detailed description) — indicate the RPA or related experience (e.g. manned) of the remote pilot(s) and, if applicable, of the RPA observer(s).

RPA Performance Characteristics (including appropriate units of measurement)

Indicate the basic performance characteristics of the RPA using the relevant units of measurement specified by the State(s).



- Item 13 Type of aircraft — indicate the type of aircraft and attach a rendering or photographic depiction of the RPA.
- Item 14 Maximum take-off mass — indicate the maximum certificated take-off mass.
- Item 15 Wake turbulence category — indicate the appropriate wake turbulence category of the RPA, in accordance with *Aircraft Type Designators* (Doc 8643).
- Item 16 Number and type of engine(s) — indicate number and type of engine(s).
- Item 17 RPA dimensions (wing span/rotor diameter) — indicate the wingspan or main rotor diameter, or in the case of multirotorcraft, indicate the maximum width.
- Item 18 Maximum speed — indicate the maximum operating speed of the RPA.
- Item 19 Minimum speed — indicate the minimum operating speed of the RPA.
- Item 20 Cruising speed — indicate the cruising speed of the RPA.
- Item 21 Typical and maximum climb rate — indicate the normal operational climb rate and maximum climb rate of the RPA.
- Item 22 Typical and maximum descent rate — indicate the normal operational descent rate and maximum descent rate of the RPA.
- Item 23 Typical and maximum turn rate — indicate the normal operational turn rate and maximum turn rate of the RPA.
- Item 24 Maximum aircraft endurance — indicate maximum endurance of the RPA.
- Item 25 Other relevant performance data or information to declare — include any other pertinent performance data.
- Item 26 CNS capabilities (including alternate means of communication with remote pilot station(s)). Mark the applicable boxes and indicate the equipment and capabilities of the RPAS. This item may include: communication and/or surveillance capabilities between the RPA and remote pilot station, between the RPA and ATS unit, between the remote pilot station and the ATS unit, and between the RPA observer and remote pilot. It also includes operational approvals for PBN, i.e. RNAV and RNP, and reduced vertical separation minimum (RVSM), if applicable.
- Item 27 Detect and avoid capabilities — describe the equipment, capabilities and any limitations.

Operations

- Item 28 Purpose of operation — indicate the reason(s) for conducting one, or a series of, RPA flight(s): e.g. aerial survey, meteorological survey, aerial photography, scientific experiment, cargo delivery.
- Item 29 Aircraft identification — indicate the call-sign to be used in radiotelephony.
- Item 30 Date of flight(s) — indicate the date(s) on which the flight(s) will occur if known.
- Item 31 Duration/frequency of flight(s) — indicate the duration of flight and also the number of flights that will be conducted within the date(s) of flight(s) indicated in Item 30.



- Item 32 Flight rules IFR/VFR — mark the relevant box to denote the category of flight rules with which the remote pilot intends to comply: I if IFR; V if VFR; Y if IFR first; Z if VFR first.
- Item 33 Type of operation VLOS/BVLOS — mark the relevant box.
- Item 34 Number and location(s) of remote pilot station(s) — indicate the number and location(s) of the remote pilot station(s).
- Item 35 Handover procedures between remote pilot stations — describe the handover procedures from one remote pilot station to another when more than one is involved.
- Item 36 Point of departure — indicate the name and the ICAO four-letter designator of the departure aerodrome. In the event the departure is not conducted from an aerodrome, coordinates, in accordance with WGS-84 format, of the specific location should be included.
- Item 37 Point of destination — indicate the name and the ICAO four-letter designator of the destination aerodrome. In the event that the destination is not an aerodrome, coordinates, in accordance with WGS-84 format, of the specific location should be included.
- Item 38 Take-off and landing requirements — describe how the RPA will take-off (e.g. vertical, rolling, catapult) and landing (e.g. vertical, rolling, parachute deployment, net). Additional information such as deployment of safety personnel during take-off and landing phases should be included.
- Item 39 Route — indicate the planned route of flight.
- Item 40 Cruising level — indicate the intended level(s) to be maintained during each segment of the flight.
- Item 41 Payload information/description — indicate any payload or equipment to be carried on the RPA. This includes equipment which is not flight essential but may be used for a specific purpose during the flight (e.g. photographic equipment).

Note.— The operation of some equipment or carriage of dangerous goods may be subject to special legislative requirements.

Use of Communication Capabilities

- Item 42 ATS communications — specify the intended methods of communication between air traffic services and the remote pilot, e.g. VHF voice, data link, telephone.
- Item 43 Command and control (C2) link — describe the type of data link to be utilized between the remotely piloted aircraft and the remote pilot station for the purposes of managing the flight.
- Item 44 Communications between remote pilot and RPA observer — specify the means of communication between the remote pilot and RPA observer, if applicable.
- Item 45 Payload data link — indicate specifications such as frequency and output power used for the data link between the remotely piloted aircraft and the remote pilot station (or payload station) for purposes other than those of managing the flight.



Contingency and Emergency Procedures

- Item 46 Loss of C2 link (partial or total) — describe the intended procedures in the event of a loss of the C2 link such as automatic flight using preprogrammed routing, landing or activation of the flight termination plan.
- Item 47 Failure of ATC communications (partial or total) — describe the intended procedures in the event of communications failure, such as use of telephone or other back-up procedures.
- Item 48 Failure of remote pilot/RPA observer communications — describe the procedures in the event of a remote pilot/RPA observer communications failure, such as back-up communications possibilities or flight termination plan.
- Item 49 Other emergencies — provide a copy of the emergency procedures contained in the RPA flightmanual.

Security Measures Associated with the RPA Operation

- Item 50 Physical security of remote pilot station — indicate the measures and resources employed to ensure the safeguarding of the remote pilot station against unlawful interference during flight.
- Item 51 Physical security of RPA while on the ground — if applicable, indicate the measures and resources employed to ensure the safeguarding of the remotely piloted aircraft (RPA) against unlawful interference while on the ground.
- Item 52 Security of the C2 link — indicate the measures and technical procedures to protect the C2 link against unlawful or unintentional interference.

Liability and Insurance

- Item 53 Liability and insurance — indicate the insurance policy number and provide proof of adequate insurance/liability coverage.

Attachments

- Item 54 Attachments — mark the applicable boxes and attach a copy of the relevant document(s). If including additional documents, mark the box “other attachment(s)”, describe them in the field provided and attach them to the Request for Authorization Form.



Remotely Piloted Aircraft Systems (RPAS) Application

Acronyms and Abbreviations

ACAS	airborne collision avoidance system
ADF	automatic direction finder
ADS-B	automatic dependent surveillance — broadcast
ADS-C	automatic dependent surveillance — contract
ATS	air traffic services
C2	command and control
CNS	communication, navigation and surveillance
CPDLC	controller-pilot data link communications
DME	distance measuring equipment
GBAS	ground-based augmentation system
GNSS	global navigation satellite system (GPS, GLONASS, Galileo, etc)
HF	high frequency
I	the entire flight will be operated under the IFR
IFR	instrument flight rules
ILS	instrument landing system
PBN	performance-based navigation
RNAV	area navigation
RNP	required navigation performance
RPA	remotely piloted aircraft
RPAS	remotely piloted aircraft system
RVSM	reduced vertical separation minimum
SATCOM	satellite communication
UHF	ultra high frequency
V	the entire flight will be operated under the VFR
VFR	visual flight rules
VHF	very high frequency
VOR	VHF omnidirectional radio range
Y	the flight initially will be operated under the IFR, followed by one or more subsequent changes of flight rules
Z	the flight initially will be operated under the VFR, followed by one or more subsequent changes of flight rules