

Appendix A

REQUEST FOR AUTHORIZATION FORM

Note.— For details on completing this form, and for definitions of acronyms and abbreviations, see section on Information Required for the Assessment of Authorization following this form.

RPAS operator information		
1. Name of RPAS operator: _____		
2. State of RPAS operator: _____		
3. Mailing address: _____ _____		
4. Contact numbers: tel.: _____ cell: _____ fax: _____		
5. Email: _____		
6. State of the RPAS operator, RPAS operator certificate number _____ <i>(attach copy of RPAS operator certificate).</i> Alternative documents <i>(attach copy)</i> .		
RPAS information		
7. State of Registry and aircraft registration <i>(attach copies of certificate of registration and certificate of airworthiness)</i> . _____ Alternative airworthiness documents <i>(attach copy)</i> .		
8. Aircraft radio station licence number <i>(attach copy of aircraft radio station licence)</i> : _____		
9. Noise certificate <i>(attach copy of certificate)</i> .		
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)
<p>RPA performance characteristics (including appropriate units of measurement) <i>(attach picture or sketch of RPA)</i></p>		
<p>13. Type of aircraft: _____</p>	<p>14. Maximum take-off mass: _____</p>	<p>15. Wake turbulence category: _____</p>
<p>16. Number and type of engine(s): _____</p>	<p>17. RPA dimensions (wing span/ rotor diameter): _____</p>	<p>18. Maximum speed: _____</p>
<p>19. Minimum speed: _____ 20. Cruising speed: _____</p>		
<p>21. Typical and maximum climb rates: _____ 22. Typical and maximum descent rates: _____</p>		
<p>23. Typical and maximum turn rates: _____ 24. Maximum aircraft endurance: _____</p>		
<p>25. Other relevant performance data or information to declare (maximum operating altitude): _____ _____</p>		
<p>26. CNS capabilities (including alternate means of communication with remote pilot station(s)):</p> <p>Communications: CPDLC <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> SATCOM <input type="checkbox"/> HF <input type="checkbox"/> Telephone: landline <input type="checkbox"/> mobile phone <input type="checkbox"/></p> <p>Navigation: DME <input type="checkbox"/> VOR <input type="checkbox"/> GNSS <input type="checkbox"/> ADF <input type="checkbox"/> ILS <input type="checkbox"/> GBAS <input type="checkbox"/> RNAV _____ RNP _____ RVSM _____</p> <p>Surveillance: transponder mode(s): _____ ADS-B <input type="checkbox"/> ADS-C <input type="checkbox"/> ACAS <input type="checkbox"/></p> <p>Other: _____</p>		
<p>27. Detect and avoid capabilities: _____</p>		
<p>Operations</p>		
<p>28. Purpose of operation: _____</p>		
<p>29. Aircraft identification to be used in radiotelephony, if applicable: _____</p>		
<p>30. Date of flight(s): _____ 31. Duration/frequency of flight(s): _____</p>		
<p>32. Flight rules: I <input type="checkbox"/> V <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/> 33. Type of operation: VLOS <input type="checkbox"/> BVLOS <input type="checkbox"/></p>		
<p>34. Number and location(s) of remote pilot station(s): _____ _____</p>		
<p>35. Handover procedures between remote pilot stations: _____</p>		
<p>36. Point of departure: _____ 37. Point of destination: _____</p>		
<p>39. Route: _____ 40. Cruising level: _____</p>		

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 ASSESSMENT OF AUTHORIZATION

(for completion of Request for Authorization 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. State of RPAS operator — indicate the State in which the RPAS operator's principal place of business is located, or if there is no such place of business, the operator's permanent residence.
- Item 3. Mailing address — indicate the current contact mailing address of the operator.
- Item 4. Contact numbers — indicate the current telephone, cellular and fax number of the operator.
- Item 5. Email address — indicate the current email address of the operator.
- Item 6. State of the RPAS operator and RPAS operator certificate number — indicate the State of the RPAS operator and the number indicated on the RPAS operator certificate.

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. 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 multicopter, 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 performance data needed by the approval authority or ATS unit.
- 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.
- 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 flight manual.

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.
