**FOCA-UAS-PDRA-S01-APP-EN**

**Application to PDRA – S01 Version 1.2**

**AMC4 to Article 11 IR (EU) 2019/947[[1]](#footnote-1)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **General Information** | | | | |
| 0.0 | Name and Address of UAS Operator | | Enter text… | |
| 0.0 | If different: Billing address (according to UID-Registry) | | Enter text… | |
| 0.1 | UAS Operator Identification (ID) | | Enter text… | |
| 0.2 | UAS Manufacturer / Type Certificate holder | | Enter text… | |
| 0.3 | UAS Model name | | Enter text… | |
| 0.4 | Type of UAS configuration | | Conventional Airplane  Helicopter  Multirotor  Hybrid/VTOL  Lighter than air  Other, please specify: Enter text… | |
| 0.5 | Do you tether the UAV during the operation? | | Yes  No | |
| 0.6 | Maximum characteristic dimension [m] | | Enter text… | |
| 0.7 | Maximum take-off mass [kg] | | Enter text… | |
| 0.8 | UAS speeds [m/s] | | Fixed-wing: Cruise speed = Enter text…  Rotorcraft: Maximum speed = Enter text…  [optional]  Max rate of climb = Enter text…  Max rate of descent = Enter text… | |
| 0.9 | Is there a [DVR](https://www.easa.europa.eu/newsroom-and-events/press-releases/easa-issues-guidelines-design-verification-drones-operated) or a [TC](https://www.easa.europa.eu/domains/aircraft-products/aircraft-certification) for this operation and UAS? | | Yes  No  If ‘yes’, please specify: Enter text… | |
| 0.10 | Number of UAS and serial number(s) | | Number of UAS: Enter text…  Serial number (s): Enter text… | |
| 0.11 | Description of proposed operations including the locations | | If location-specific:  Please provide the GPS coordinates for the operational volume (flight geography and contingency volume), the ground risk buffer and the air risk buffer (if available) as a separate file using either .txt; .kmz or .kml.  If generic / location-independent:  Please provide reference to the documented process for the determination of operational volume and buffers and the assessment of the local conditions and their compliance limitations.  Reference to the GPS file or OM section:  Enter text… | |
| 0.11bis | Short description of proposed operations  Enter text… | | | |
| **Declaration of compliance** | | | | | |
| I, the undersigned, hereby declare that the UAS operation will comply with:   * any applicable European Union and national regulations * the applicable requirements of Regulation (EU) 2019/947; and * the limitations and conditions defined in the operational authorisation provided by the competent authority.   Moreover, I declare that the related insurance coverage, if applicable, will be in place at the start date of the UAS operation. | | | | | |
| **Place and Date**  Specify Location…  Specify date… | | **Name and Signature of applicant** | | ***FOR FOCA ONLY*** | |

# Compliance Matrix for PDRA – S01 Version 1.1

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PDRA characterisation and conditions** | | | | | | | | | |
| **Topic** | | **Assurance level** | | **Condition** | | | **Demonstration of integrity** | | **Demonstration of assurance** |
| 1. **Operational characterisation (scope and limitations)** | | | | | | | | | |
| **Level of human intervention** | | Self‐declaration | | 1.1 No autonomous operations: the remote pilot should have the ability to maintain control of the UA, except in case of a loss of the command‐and control (C2) link. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1.2 The remote pilot should operate only one UA at a time. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1.3 The remote pilot should not operate the UA from a moving vehicle. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1.4 The remote pilot should not hand the control of the UA over to another command unit. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **UA range limit** | | Self‐declaration | | 1.5 VLOS distance from the remote pilot at all times. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Overflown areas** | | Self‐declaration | | 1.6 UAS operations should be conducted over a controlled ground area. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1.7 For the operation of a tethered UA, the area should have a radius equal to the tether length plus 5 m, and should be centred on the point of the surface of the Earth where the tether is fixed. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.”  *OR*  ”n/a” |
| **UA limitations** | | Self‐declaration | | 1.8 The UA should have a maximum characteristic dimension (e.g. wingspan, rotor diameter/area or maximum distance between rotors’ tips in the case of a multirotor) of less than 3 m. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Flight height limit** | | Self‐declaration | | 1.9 The remote pilot should maintain the UA within 120 m (unless making use of the option defined in point 1.12) from the closest point of the surface of the Earth. The measurement of the distances should be adapted according to the geographical characteristics of the terrain, such as plains, hills, and mountains. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.”  *OR*  ☐ option point 1.12 |
| 1.10 When flying a UA within a horizontal distance of 50 m from an artificial obstacle that is taller than 105 m, the maximum height of the UAS operation may be increased up to 15 m above the height of the obstacle, at the request of the entity responsible for the obstacle. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1.11 When UAS operators intend to operate at a height[[2]](#footnote-2) above 120 m, up to 150 m, they should define a risk buffer according to point 3.8 below. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.”  *OR*  ”n/a” |
| **Airspace** | | Self‐declaration | | 1.12 The UA should be operated: | | | | | |
| 1.12.1 in uncontrolled airspace, unless different limitations are provided for by the  Member States for their UAS geographical zones in areas where the probability of encountering manned aircraft is not low; or | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1.12.2 in controlled airspace after coordination and flight authorisation in accordance with the published procedures for the area of operation, to ensure that the  probability of encountering manned aircraft is low.  *Note: Airspace with an air risk that is classified as not higher than ARC-b can be considered having a low probability of encountering manned aircraft.* | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Visibility** | | Self‐declaration | | 1.13 The flight visibility should allow the remote pilot to conduct the entire flight in VLOS. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Others** | | Self‐declaration | | 1.14 The UA should not be used to carry dangerous goods, except for dropping items in connection with agricultural, horticultural or forestry activities where the carriage of such items does not contravene any other applicable regulations.  Note: The operator shall comply with applicable national or international regulations on the use of plant protection products, chemicals, dangerous substances, and preparations as appropriate. This includes Directive 2009/128/EC establishing a framework for Community action to achieve the sustainable use of pesticides, if applicable. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. **Operational risk classification (according to the classification defined in AMC1 to Article 11 of the UAS Regulation)** | | | | | | | | | |
| **Final GRC** | | 2 | **Final ARC** | | ARC-b | **SAIL** | | II | |
| 1. **Operational mitigations** | | | | | | | | | |
| **Operational and adjacent volume**  **(see Figure 2 of**  **AMC1 Article**  **11)** | | Self‐declaration | | 3.1 The UAS operator should define the operational volume, ground risk buffer and adjacent volume for the intended operation, including: | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.1.1 the flight geography; and | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.1.2 the contingency volume, with its external limit(s) at least 10 m beyond the limit(s) of the flight geography if the operation is conducted with untethered UA. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.2 To determine the operational volume, the UAS operator should consider the position-keeping capabilities of the UAS in 4D space (latitude, longitude, height, and time). | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.3 In particular, the accuracy of the navigation solution, the flight technical error of the UAS, as well as the flight path definition error (e.g. map error) and latencies should be considered and addressed when determining the operational volume. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.4 The size of adjacent volume should be defined.[[3]](#footnote-3) | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.5 The remote pilot should apply emergency procedures as soon as there is an indication that the UA may exceed the limits of the operational volume, as per point 5.3.8(d) below. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
|  | |  | | 3.6 No persons should be overflown when spraying liquids or dropping substances. Infrastructure or facilities can be overflown on request of the entity responsible for the infrastructure or facility. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Ground risk** | | Self‐declaration | | 3.7 The UAS operator should establish a ground risk buffer to protect third parties on the ground outside the operational volume. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.8 For the operation of untethered UA, the ground risk buffer should cover a distance beyond the external limit(s) of the contingency area. That distance should be at least as defined below:   |  |  |  | | --- | --- | --- | | Max Height (AGL[[4]](#footnote-4)) [m] | Minimum distance for ground risk buffer [m] | | | MTOM ≤ 10 kg | MTOM > 10 kg | | 10 | 5 | 10 | | 30 | 10 | 20 | | 60 | 15 | 30 | | 90 | 20 | 45 | | 120 | 25 | 60 | | 150 | 30 | 75 | | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.”  *OR*  ”n/a” |
| 3.9 For the operation of tethered UA, the ground risk buffer is considered in point 1.7 above. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.”  *OR*  ”n/a” |
| **Air risk** | | Declaration supported by data | | 3.10 If the UAS operation is performed above 120 m and up to 150 m, the UAS operator should: | | | | | |
| 3.10.1 establish an air risk buffer to protect third parties in the air outside the operational volume; and | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text…  *OR*  ”n/a” | | ”I declare compliance and that supporting evidence is included in the OM.”  Justification supporting the reduction of the air risk buffer is documented in Enter text….  *OR*  ”n/a” |
| 3.10.2 if the air risk buffer is part of controlled airspace, coordinate the operation with the respective ANSP; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text…  *OR*  ”n/a” | | ”I declare compliance and that supporting evidence is included in the OM.”  *OR*  ”n/a” |
| 3.10.3 develop appropriate procedures to not jeopardise other airspace users. | | | Please describe how the remote pilots and, if employed, the AOs are able to assess the height of the UA compared to other airspace users[[5]](#footnote-5), otherwise indicate ”n/a”.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text…  *OR*  ”n/a” | | ”I declare compliance and that supporting evidence is included in the OM.”  *OR*  ”n/a” |
| Self‐declaration | | 3.11 The operational volume should be outside any geographical zone corresponding to a flight restriction zone of a protected aerodrome or of any other type, as defined by the responsible authority, unless the UAS operator has been granted appropriate permission. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 3.12 Prior to the flight, the UAS operator should assess the proximity of the planned operation to manned aircraft activity. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
|  | |  | | 3.13 The UAS operator should establish a deconfliction scheme that allows the remote pilot to take efficient decisions in case of incoming traffic. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Observers** | |  | | Airspace observers (AOs): n/a  UA observers: refer to point 5.3.8(b) below. | | | | | |
| 1. **UAS Operator and UAS operations conditions** | | | | | | | | | |
| **UAS operator and UAS operations** | | Declaration supported by data | | 4.1 The UAS operator should: | | | | | |
| 4.1.1 develop an operations manual (OM) (for the template, refer to AMC1 UAS.SPEC.030(3)(e) and to the complementary information in GM1 UAS.SPEC.030(3)(e));[[6]](#footnote-6) | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.2 define, and include in the OM, the procedure to determine the the operational volume and ground risk buffer for the intended operation, as per points 3.1 to 3.6 above, and the adjacent volume; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.3 develop procedures to ensure that the operation is conducted safely and that the security requirements applicable to the area of operations are complied with during the intended operation; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.4 develop measures to protect the UAS against unlawful interference and unauthorised access; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.5 develop procedures to ensure that all operations comply with Regulation (EU) 2016/679 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data. In particular, the UAS operator should carry out a data protection impact assessment, when this is required by the data protection national authority of the Member State with regard to the application of Article 35 of that Regulation; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.6 develop guidelines for its remote pilots to plan UAS operations in a manner that minimises nuisance, including noise and other emissions‐related nuisance, to people and animals; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.7 ensure the adequacy of the contingency and emergency procedures and prove it through any of the following:   1. dedicated flight tests; or 2. simulations, provided that the representativeness of the simulation means is proven valid for the intended purpose with positive results; or 3. any other means acceptable to the competent authority; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that evidence is available to the competent authority for review.” |
| 4.1.8 develop an effective emergency response plan (ERP) that is suitable for the intended operation (see GM1 UAS.SPEC.030(3)(e));[[7]](#footnote-7) | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that evidence is available to the competent authority for review.” |
| 4.1.9 upload updated information into the geo-awareness function, if such system is installed on the UAS, when required by the UAS geographical zone for the intended  location of the operation; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.10 ensure that before starting the operation, the controlled ground area is in place, effective, and compliant with the minimum distance that is defined in points 3.1 and 3.8 above and, when required, coordination with the appropriate authorities has been established; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.11 ensure that before starting the operation, all persons that are present in the controlled ground area: | | | | | |
| 1. have been informed of the risks of the operation; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 1. have been briefed on or trained in, as appropriate, the safety precautions and measures that the UAS operator has established for their protection; and | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 1. have explicitly agreed to participate in the operation; and | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.12 designate for each flight a remote pilot with adequate competency and other personnel in charge of duties essential to the UAS operation if needed; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.13 in case the operation takes place in a controlled airspace, as part of the procedures that are contained in the OM (point 4.1.1 above), include the description of the following:  (a) the method and means of communication with the authority or entity responsible for the management of the airspace during the entire period of operation;  (b) the member(s) of personnel in charge of duties essential to the UA operation, who are responsible for establishing that communication; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.14 ensure that the UAS operation effectively uses and supports the efficient use of the radio spectrum in order to avoid harmful interference; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that supporting evidence is included in the OM.” |
| 4.1.15 keep for a minimum of 3 years and maintain up to date a record of the information on UAS operations, including any unusual technical or operational occurrences and other data as required by the declaration or by the operational authorisation. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that record-keeping data is available to the competent authority.” |
| **UAS maintenance** | | Self‐declaration | | 4.2 The UAS operator should: | | | | | |
| 4.2.1 ensure that the UAS maintenance instructions that are defined by the UAS operator are included in the OM and cover at least the UAS manufacturer’s instructions and requirements when applicable; and | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 4.2.2 ensure that the maintenance staff follow the UAS maintenance instructions when performing maintenance; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 4.2.3 keep for a minimum of 3 years and maintain up to date a record of the maintenance activities conducted on the UAS; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 4.2.4 establish and maintain up to date a list of the maintenance staff employed by the  operator to carry out maintenance activities; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 4.2.5 comply with point UAS.SPEC.100, if the UAS uses certified equipment. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text…  *OR*  ”n/a” | | ”I declare compliance.”  *OR*  ”n/a” |
| **External services** | | Self‐declaration | | 4.3 The UAS operator should ensure that the level of performance for any externally provided service that is necessary for the safety of the flight is adequate for the intended operation. The UAS operator should declare that this level of performance is adequately achieved. | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 4.4 The UAS operator should define and allocate the roles and responsibilities between the UAS operator and the external service provider(s), if applicable. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text…  *OR*  ”n/a” | | ”I declare compliance.”  *OR*  ”n/a” |
| 1. **Conditions for the personnel in charge of duties essential to the UAS operation** | | | | | | | | | |
| **General** |  | | | 5.1 The UAS operator should keep and maintain up to date a record of all the relevant qualifications and training courses completed by the remote pilot and the other personnel in charge of duties essential to the UAS operation and by the maintenance staff for at least 3 years after those persons have ceased to be employed by the organisation or have changed position within the organisation. | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.”  Record-keeping data is available for inspection at the request of the competent authority. |
| 5.2 The remote pilot should have the authority to cancel or delay any or all flight operations under the following conditions: | | | | | |
| 5.2.1 the safety of persons is jeopardised; or | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.2.2 property on the ground is jeopardised; or | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.2.3 other airspace users are in jeopardy; or | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.2.4 there is a violation of the terms of the operational authorisation. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| **Remote pilot** | Self‐declaration | | | 5.3 The remote pilot should: | | | | | |
| 5.3.1 not perform any duties under the influence of psychoactive substances or alcohol, or when they are unfit to perform their tasks due to injury, fatigue, medication, sickness or other causes; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.3.2 be familiar with the manufacturer’s instructions provided by the manufacturer of the UAS; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.3.3 ensure that the UA remains clear of clouds; | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.3.4 hold a certificate of remote pilot theoretical knowledge, in accordance with Attachment A to Chapter I of Appendix 1 to the Annex to the UAS Regulation, which is issued by the competent authority or by an entity that is designated by the competent authority of a Member State. | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” or n/a |
| 5.3.5 hold an accreditation of completion of a practical‐skills training course for this PDRA, in accordance with Attachment A to Chapter I of Appendix 1 to the Annex to the UAS Regulation, which is issued by:   1. an entity that has declared compliance with the requirements of Appendix 3 to the Annex to the UAS Regulation and is recognised by the competent authority of a Member State; or 2. a UAS operator that has been authorised by the competent authority of the Member State of registration to operate according to this PDRA (or declared to the same competent authority, compliance with STS‐01) and with the requirements of Appendix 3 to the Annex to the UAS Regulation. | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” or n/a |
| 5.3.6 If operations are conducted at a height (of the flight geography) between 120 and 150 m, the remote pilot should undergo additional theoretical knowledge training in the following topics: | | | | | |
| 1. raising awareness about the air risk and about the existence of other airspace users; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that the training syllabus is available for inspection at the request of the competent authority.” |
| 1. checking height determination/ limitation devices; and | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that the training syllabus is available for inspection at the request of the competent authority.” |
| 1. using applicable procedures in case a manned aircraft is detected. | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that the training syllabus is available for inspection at the request of the competent authority.” |
| 5.3.7 As an alternative to holding a certificate of remote pilot theoretical knowledge, according to point 5.3.4, and to holding an accreditation of completion of a practical-skills training course according to point 5.3.5, the operator may propose a dedicated training syllabus to the competent authority; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance and that the training syllabus is available for inspection at the request of the competent authority.” or n/a |
| 5.3.8 Before starting the UAS operation, the remote pilot should: | | | | | |
| 1. verify that the means to terminate the UA flight and the remote identification system are operational; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. obtain updated information relevant to the intended operation about any geographical zones defined in   accordance with Article 15 of the UAS  Regulation; and | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. ensure that the UAS is in a safe condition to complete the intended flight safely and, if applicable, check whether the direct remote identification is active and up to date. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 5.3.9 During the flight: | | | | | |
| 1. keep the UA in VLOS and maintain thorough visual scan of the airspace that surrounds the UA to avoid any risk of collision with manned aircraft; the remote pilot should discontinue the flight if the operation poses a risk to other aircraft, people, animals, environment or property; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. for the purpose of point (a) above, possibly being assisted by a UA observer[[8]](#footnote-8); clear and effective communication should be established between the remote pilot and the UA observer; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. use the contingency procedures that are defined by the UAS operator for abnormal situations, including situations where the remote pilot has an indication that the UA may exceed the limits of the flight geography; and | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. use the emergency procedures that are defined by the UAS operator for emergencies, including triggering the means to terminate the flight when the remote pilot has an indication that the UA may exceed the limits of the operational volume; the means to terminate the flight should be triggered at least 10 m before the UA reaches the limits of the operational volume; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. keep the UA at a ground speed of less than 5 m/s in case of untethered UA; | | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |
| 1. activate the direct remote identification system. | | | Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | | ”I declare compliance.” |

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| 1. **Technical conditions** | | | | | |
| **UAS** | Self‐declaration[[9]](#footnote-9) | 6.1 The UAS operator should use a UAS marked as class C5 and complies with the requirements of that class, as defined in Part 16 of the Annex to Regulation (EU) 2019/945. | | ”I declare that the UAS is marked with a class C5 identification label.”  *OR*  ”n/a” | |
| 6.2 As an alternative to point 6.1, the UAS operator may use a UAS that complies with the requirements of Part 16 of the Annex to Regulation (EU) 2019/945, except that the UAS does not need to:   * bear a class C3 UAS or a class C5 UAS identification label; * have an MTOM of less than 25 kg; * be exclusively powered by electricity, if the UAS operator ensures that the environmental impact that is caused by the use of non-electric UAS is minimised; * include an information notice that is published by EASA and provides the applicable limitations and obligations, as required by the UAS Regulation; and * include the manufacturer’s instructions for the UAS, if it is privately built; however, information on its operation and maintenance, as well as on the training of the remote pilot, should be included in the OM.     **Note 1**: The UAS can comply with point (9) of Part 4 of the Annex to Regulation (EU) 2019/945 by using an add-on that complies with Part 6 of the Annex to that Regulation.    **Note 2:** If the UA does not bear a physical serial number that is compliant with standard ANSI/CTA 2063-A ‘Small Unmanned Aerial Systems Serial Numbers’ and/or does not have an integrated system of direct remote identification, it can comply with point (9) of Part 4 of the Annex to Regulation (EU) 2019/945 by using an add-on that complies with Part 6 of the Annex to that Regulation. | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | ”I declare compliance.”  *OR*  ”n/a” |
| 6.3 In addition, if:   * the adjacent area does not include a populated area or an assembly of people; and * the adjacent airspace is classified as ARC-a[[10]](#footnote-10) or ARC-b[[11]](#footnote-11),   point 5 of Part 16 of the Annex to Regulation (EU) 2019/945 may be replaced with the following basic containment conditions:   * no probable failure of the UAS or of any external system that supports the operation would lead to operation outside the operational volume; and * it is reasonably expected that a fatality will not occur due to any probable failure of the UAS or of any external system that supports the operation. | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | ”I declare compliance.”  *OR*  ”n/a” |
| **UAS Sprayer** | Self-declaration | 6.4 If designed to spray, the UA should: | | | |
| 6.4.1 be designed to avoid an accidental release of any substance; | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | ”I declare compliance.”  *OR*  ”n/a” |
| 6.4.2 have means for the remote pilot to immediately stop the spraying of liquids or dropping of substances in case of an emergency. | | Please describe how this condition is met.  Document name: Enter text…  Chapter number: Enter text…  Page number: Enter text… | ”I declare compliance.”  *OR*  ”n/a” |
| **Contact E-Mail, Place, and Date**  Enter text…  Specify Location…  Specify date… | | | **Name and Signature of the Accountable Manager or POC of UAS Operator** | | |

1. As per version of [Annex to ED Decision 2023/012/R](https://www.easa.europa.eu/en/document-library/agency-decisions/ed-decision-2023012r) [↑](#footnote-ref-1)
2. Note: Height of the Flight Geogrpahy [↑](#footnote-ref-2)
3. See Guidance on drawing necessary volumes in [FOCA-UAS-GM-Part 1: How to apply for an Operational Authorization based on SORA](https://www.bazl.admin.ch/dam/bazl/de/dokumente/Drohnen/specific/sora/FOCA-UAS-GM-Part1_HowToApplyPart1_I1R1.pdf.download.pdf/FOCA-UAS-GM-Part1_HowToApplyPart1_I1R2.pdf)  and Rules on containment in [FOCA UAS AltMoC to SORA Step 9 on Containment [Online]](https://www.bazl.admin.ch/dam/bazl/de/dokumente/Drohnen/specific/sora/uas-altmoc-sora-step9-containment.pdf.download.pdf/UAS%20AltMoC%E2%80%93001-SORA-Containment-Risk%20Assessment.pdf) [↑](#footnote-ref-3)
4. The closest point from the Earth should be considered. [↑](#footnote-ref-4)
5. The UAS operator should demonstrate that they have sufficient confidence in the accuracy of the information about the height of the UA and the means to advert and avoid other airspace users and obstacles in the vicinity of the UA. [↑](#footnote-ref-5)
6. See also: [FOCA-UAS-GM-OM Guidance Operations Manual](https://www.bazl.admin.ch/dam/bazl/fr/dokumente/Drohnen/specific/sora/uas_gm_operationsmanual.pdf.download.pdf/FOCA-UAS-GM-OM_GuidanceOpsManual_ISS01REV01.pdf) , [FOCA-UAS-APP-OM Operations Manual Template](https://www.bazl.admin.ch/dam/bazl/fr/dokumente/Drohnen/specific/sora/uas_app_om_template.docx.download.docx/FOCA-UAS-APP-OM_TemplateOpsManual_ISS01REV00.docx), and [EASA Operations Manual example for UAS operations in SAIL II](https://www.easa.europa.eu/en/downloads/138350/en) [↑](#footnote-ref-6)
7. See also: [FOCA-UAS-GM-ERP: Guidance on M3 - Emergency Response Plan](https://www.bazl.admin.ch/dam/bazl/de/dokumente/Drohnen/specific/sora/FOCA-UAS-GM-ERP_EmergencyResponsePlan_I1R3.pdf.download.pdf/FOCA-UAS-GM-ERP_EmergencyResponsePlan_I1R3.pdf) [↑](#footnote-ref-7)
8. Please refer to point UAS.STS-02.050 for the responsibilities of the UA observer. [↑](#footnote-ref-8)
9. The containment requirements (reference to point 5 of Part 16 of Regulation (EU) 2019/945), if applicable, should be demonstrated with a medium assurance level). [↑](#footnote-ref-9)
10. ARC-a is considered as ‘atypical airspace’: Restricted airspace (LS-R) for unmanned aviation or Airspace where normal manned aircraft cannot go (e.g. airspace within 30m of buildings or structures away from runways and helipads); [↑](#footnote-ref-10)
11. Below 500ft/AGL, ARC-b is considered as uncontrolled airspace over rural areas; OR controlled airspace after coordination and flight authorisation in accordance with the published procedures for the area of operation by the competent authority, to ensure that the probability of encountering manned aircraft is low. [↑](#footnote-ref-11)