


1. Authority that issues the authorisation	1.1 Issuing authority Liikenne- ja viestintävirasto Traficom	
	1.2 Point of contact Name Kimmo Huoviala, Tarkastaja	
	Telephone +358 29 534 5000	Email uas@traficom.fi
2. UAS operator data	2.1 UAS operator registration number FIN576535818504z	
	2.2 UAS operator name Nordic Drones Oy	
	2.3 Operational point of contact Name Pietari Sorri	
	Telephone +358 40 538 3621	Fax
	Email pietari.sorri@nordicdrones.fi	
3. Authorised operation	3.1 Authorised location(s) Suomi, toimintakäsikirjassa kuvatut toimintaolosuhteet	
	3.2 Extent of the adjacent area 5 km	
	3.3 Risk assessment reference and revision <input checked="" type="checkbox"/> SORA version 2.0 <input type="checkbox"/> PDRA # - <input type="checkbox"/> Other	
	3.4 Level of assurance and integrity SAIL II	
	3.5 Type of operation <input checked="" type="checkbox"/> VLOS <input type="checkbox"/> BVLOS	
	3.6 Transport of dangerous goods <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	3.7 Ground risk characterisation	
	3.7.1 Operational area Harvaan asuttu alue	3.7.2 Adjacent area Tiheästi asuttu alue
	3.8 Ground risk mitigations	
	3.8.1 Strategic mitigations <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, low <input type="checkbox"/> Yes, medium <input type="checkbox"/> Yes, high	3.8.2 ERP <input type="checkbox"/> No <input type="checkbox"/> Yes, low <input checked="" type="checkbox"/> Yes, medium <input type="checkbox"/> Yes, high
	3.9 Height limit of the operational volume 150 m (500 ft)	
	3.10 Residual air risk level	
	3.10.1 Operational volume <input type="checkbox"/> ARC-a <input checked="" type="checkbox"/> ARC-b <input type="checkbox"/> ARC-c <input type="checkbox"/> ARC-d	3.10.2. Adjacent volume <input type="checkbox"/> ARC-a <input type="checkbox"/> ARC-b <input checked="" type="checkbox"/> ARC-c <input type="checkbox"/> ARC-d
	3.11 Air risk mitigations 3.11.1 Strategic mitigations If yes, please describe <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
	3.11.2 Tactical mitigation methods VLOS	
3.12 Achieved level of containment <input checked="" type="checkbox"/> Basic <input type="checkbox"/> Enhanced		

	3.13 Remote pilot competency A1/A3, A2 tai STS, Operation Manual Nordic Drones rev 7 kohta 1.8 mukaan		
	3.14 Competency of staff, other than the remote pilot, essential for the safety of the operation Operation Manual Nordic Drones rev 7 kohta 1.8 mukaan		
	3.15 Type of events to be reported to the competent authority (in addition to those required by Regulation (EU) No 376/2014) Kaikki onnettomuudet, vakavat poikkeamat ja poistuminen toiminta-alueelta tulee ilmoittaa		
	3.16 Insurance <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
	3.17 Operations manual reference Operation Manual Nordic Drones rev 7 (20.1.2025)		
	3.18 Compliance evidence file reference SORA.pdf, SORA_OSO.pdf		
	3.19 Remarks / additional limitations N/A		
4. Data of authorised UAS	4.1 Manufacturer Nordic Drones Oy	4.2 Model 5. Remarks	
	4.3 Type of UAS <input type="checkbox"/> Aeroplane <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Multirotor <input type="checkbox"/> Hybrid/VTOL <input type="checkbox"/> Lighter than air / other		
	4.4 Maximum characteristic dimensions 1,2 m	4.5 Take-off mass 6,5 kg	4.6 Maximum speed 22 m/s (44 kt)
	4.7 Additional technical requirements Etätunnistusjärjestelmä (EU) 2019/947 UAS.SPEC.050 1) I) ii mukaisesti		
	4.8 Serial number or, if applicable, UA registration mark N/A		
	4.9 Number of type certificate (TC) or design verification report, if required N/A		
	4.10 Number of the certificate of airworthiness (CofA), if required N/A		
	4.11 Number of the noise certificate, if required N/A		
	4.12 Mitigation to reduce effect of ground impact <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, low <input type="checkbox"/> Yes, medium <input type="checkbox"/> Yes, high		Required to reduce the ground risk <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	4.13 Technical requirements for containment <input checked="" type="checkbox"/> Basic <input type="checkbox"/> Enhanced		
5. Remarks	<p>Toiminnassa tulee huomioida kieltävät ja rajoittavat UAS-ilmatilavyöhykkeet sekä ilmailun kielto-, rajoitus- ja vaara-alueet.</p> <p>Tämä toimintalupa ei vapauta mahdollisten muiden lupien hakemiselta.</p> <p>Käytettävät UAS mallit: GeoDrone6, VideoDrone X4S/L, VideoDrone X8L, SkyDrone, OW. Nordic Drones Oy:n tutkimus- ja kehityksen alaisia malleja voidaan operoida toimintaluvan puitteissa, koko- ja painoluokan ollessa luvan ehtojen mukainen.</p>		
6. Operational authorisation	<p>Nordic Drones Oy</p> <p>(UAS operator name) is authorised to conduct UAS operations with the UAS(s) defined in Section 4 and according to the conditions and limitations defined in Section 3, for as long as it complies with this operational authorisation, with Regulation (EU) 2019/947, and with any applicable Union and national regulations related to privacy, data protection, liability, insurance, security, and environmental protection.</p> <p>6.1 Operational authorisation number FIN-OAT-00132/v00 TRAFICOM/232907/05.00.30.05/2024</p> <p>6.2 Expiry date 20.1.2028</p> <p>Date 21.1.2025</p> <p>Signature and stamp </p>		



Instructions for filling in the operational authorisation form

- 1.1 Name of the competent authority that issues the operational authorisation, including the name of the State.
- 1.2 Contact details of the competent authority staff responsible for the file.
- 2.1 UAS operator registration number in accordance with Article 14 of the UAS Regulation.
- 2.2 UAS operator's name, as registered in the UAS operator registration database.
- 2.3 Contact details of the person responsible for the UAS operation, in charge to answer possible operational questions raised by the competent authority.
- 3.1 Location(s) where the UAS operator is authorised to operate. The identification of the location(s) should contain the full operational volume and ground risk buffer (the red line in Figure 2). Depending on the initial ground and air risk and on the application of mitigation measures, the location(s) may be 'generic' or 'precise' (refer to GM2 UAS.SPEC.030(2)). When the UAS operation is conducted in a MS other than the State of registration, the competent authority of the MS of registration should specify the location(s) only after receiving confirmation from the State of operation, according to Article 13 of the UAS Regulation.

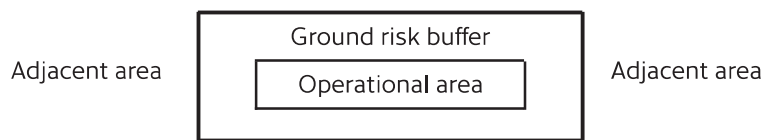


Figure 2 — Operational area and ground risk buffer

- 3.2 Provide the maximum distance in km to be considered for the adjacent area, starting from the limits of the ground risk buffer.
- 3.3 Select one of the three options. If the SORA is used, indicate the version. In case a PDRA is used, indicate the number and its revision. In case a risk assessment methodology is used other than the SORA, provide its reference. In this last case, the UAS operator should demonstrate that the methodology complies with Article 11 of the UAS Regulation.
- 3.4 If the risk methodology used is the SORA, indicate the final SAIL of the operation, otherwise the equivalent information provided by the risk assessment methodology used.
- 3.5 Select one of the two options.
- 3.6 Select one of the two options.
- 3.7 Characterise the ground risk (i.e. density of overflown population density, expressed in persons per km², if available, or 'controlled ground area', 'sparsely populated area', 'populated area', 'gatherings of people') for both the operational and the adjacent area.
- 3.8.1 Select one of the four options. In case the risk assessment is based on the SORA, this consists in M1 mitigation.
- 3.8.2 Select one of the four options. In case the risk assessment is based on the SORA, this consists in M3 mitigation.
- 3.9 Insert the maximum flight altitude, expressed in metres and feet in parentheses, of the approved operational volume (adding the air risk buffer, if applicable) using the AGL reference when the upper limit is below 150 m (492 ft), or use the MSL reference when the upper limit is above 150 m (492 ft).
- 3.10 Select one of the four options.
- 3.11.1 Select one of the two options.
- 3.11.2 Describe the tactical mitigation methods to be applied by the UAS operator.
- 3.12 Select one of the two options.
- 3.13 Specify the type of the remote pilot certificate, if required; otherwise, indicate 'Declared'.
- 3.14 Specify the type of the certificate for the staff, other than the remote pilot, essential for the safety of the operation, if required; otherwise, indicate 'Declared'.
- 3.15 List the type of events that the UAS operator should report to the competent authority, in addition to those required by Regulation (EU) No 376/2014, if applicable.
- 3.16 Select one of the two options.
- 3.17 Indicate the OM's identification and revision number.
- 3.18 Indicate the compliance evidence file identification and revision number.
- 3.19 Additional limitations defined by the competent authority.

4. Only the UAS features/characteristics required to be used for the operation should be identified in the form (e.g. in case the UAS qualifies for enhanced containment but the operation requires a basic containment, and the operator developed consistent procedures, then the basic containment should be ticked).
 - 4.1 Name of the manufacturer of the UAS.
 - 4.2 Model of the UAS as defined by the manufacturer.
 - 4.3 Select one of the five options.
 - 4.4 Indicate the maximum dimensions of the UA in metres (e.g. for aeroplanes: the length of the wingspan; for helicopters: the diameter of the propellers; for multirotors: the maximum distance between the tips of two opposite propellers) as used in the risk assessment to identify the ground risk.
 - 4.5 Indicate the maximum value, expressed in kg, of the UA take-off mass (TOM), at which the UAS operation may be operated. All flights should then be operated not exceeding that TOM. The TOM may be different from (however, not higher than) the MTOM defined by the UAS manufacturer.
 - 4.6 Maximum cruise airspeed, expressed in m/s and kt in parentheses, as defined in the manufacturer's instructions.
 - 4.7 List any additional technical requirements established by the competent authority.
 - 4.8 Unique serial number (SN) of the UA defined by the manufacturer according to standard ANSI/CTA-2063-A-2019, Small Unmanned Aerial Systems Serial Numbers, 2019, or the UA registration mark if the UA is registered. In case of privately built UAS or UAS not equipped with a unique SN, insert the unique SN of the remote identification system.
 - 4.9 Include the EASA TC number, or the UAS design verification report number issued by EASA, as required by the competent authority.
 - 4.10 If a UAS with an EASA TC is required, the UAS should have a certificate of airworthiness (CofA) and the competent authority should require compliance with the continuing airworthiness rules.
 - 4.11 If a UAS with an EASA TC is required, the UAS should have a noise certificate.
 - 4.12 Select one of the four options of the first row. In case the risk assessment is based on the SORA, this consists in M2 mitigation. Even if the UAS may be equipped with such system, this mitigation may not be required in the operation to reduce the ground risk. In this case, in the second row select 'NO'. If the mitigation is instead used to reduce the ground risk, select 'YES' and the operator is required to include in the OM the related procedures.
 - 4.13 Select one of the two options.
- 5 Free-text field for the addition of any relevant remark.
- 6.1 Reference number of the operational authorisation, as issued by the competent authority. The number should have the following format:
NNN-OAT-xxxxx/yyy
Where:
 - 'NNN' is the ISO 3166 Alpha-3 code of the Member State that issues the operational authorisation;
 - 'OAT' is a fixed field meaning 'operational authorisation';
 - 'xxxxx' are up to 12 alphanumeric characters defining the operational authorisation number; and
 - 'yyy' are 3 alphanumeric characters defining the revision number of the operational authorisation; each amendment of the operational authorisation will determine a new revision number.
- 6.2 The duration of the operational authorisation may be unlimited; in this case, indicate 'Unlimited'. The authorisation will be valid for as long as the UAS operator complies with the relevant requirements of the UAS Regulation and with the conditions defined in the operational authorisation.