

GUIDE FOR UNMANNED AIRCRAFT SYSTEMS OPERATOR

Subject

1. This Guide provides a brief overview and explanations of general conditions and flight mode with unmanned aircraft system and aircraft model of operating mass up to and including 20 kg.
2. The Guide is of an informative character and does not release the unmanned aircraft operator from the obligation to comply with all applicable conditions laid down in the Regulation on Conditions for Use of Unmanned Aircraft Systems and Model Aircraft (“Official Gazette of Montenegro”, No. 11/16) (hereinafter referred to as the “Regulation”).

General conditions for flying of unmanned aircraft

- 1) Flight of unmanned aircraft may be performed only during the day;
- 2) The distance between unmanned aircraft and people, animals, facilities, vehicles, vessels, other aircraft, roads, railways, water routes or high voltage cables shall be at least 30 metres;
- 3) The distance between unmanned aircraft and gathered people shall be at least 150 metres;
- 4) Flight of unmanned aircraft shall be conducted within the visual range of pilot and at a distance of at most 500 metres from the pilot;
- 5) Flight of unmanned aircraft shall be performed at the height of at most 150 metres above ground level or sea level; and
- 6) Flight of unmanned aircraft shall be performed outside the controlled airspace.

3. Categorisation of flight operations

Flight operations category shall be determined pursuant to the level of risk that their conducting poses to the environment.

Depending on the operational mass of unmanned aircraft (aircraft take off mass) and class of flight area, there are 4 categories of flight operations, categories A, B, C and D (see Annex 1 of the Regulation).

Example:

If the operational mass of the drone is 2.5 kg (**class 5 - OM<5kg**) and the operations are performed in an inhabited area with constructions or facilities primarily intended for staying, business or recreation (apartment buildings, apartment houses, schools, offices, sport pitches, parks, etc.) (**class III of flight area**), **flight operations of Category A and Category B** may be conducted.

However, for the performance of flight operations of category B, the drone must have 6 engines, but smaller number of engines is acceptable if the drone is equipped with a parachute (see Annex 4 of the Regulation).

4. Approval for use of radio-frequency spectrum

Physical and legal persons may use radio frequencies on the basis of radio frequency approval issued by the Agency for Electronic Communications and Postal Services, if applicable.

Certain ranges may be used without the approval of the Agency for Electronic Communications and Postal Services. These ranges and conditions under which they can be used are defined in the Regulation on radio-frequencies and the conditions under which such radio-frequencies may be used without approval (“Official Gazette of Montenegro”, No. /14).

According to the Radio-Frequency Spectrum Plan (“Official Gazette of Montenegro”, No. 32/17) and the mentioned Regulation it is prescribed as follows:

- 1) The 922.7 - 927.7 MHz range is not allowed for use.
- 2) The 2,400-2,483 GHz range may be used without the approval of the Agency for Electronic Communications and Postal Services and the emitted power shall not exceed 100mW.
- 3) The 5,725-5,825 GHz range may be used without the approval of the Agency for Electronic Communications and Postal Services and the emitted power shall not exceed 25mW.

The table contains restrictions for some of the unmanned aircraft systems, individually:

| Model | Frequency range | Maximum power or magnitude of magnetic field |
|---|------------------------------------|---|
| DJI Phantom 3 Professional, model 323 | 2,400-2,483 GHz | 100mW / 20dBm |
| Hexa-copter with DJI NAZA V2 controller | 2,400-2,483 GHz | 100mW / 20dBm |
| DJI Inspire 1 | 922,7-927,7 MHz | Not allowed |
| | 5,725-5,825 GHz | 25mW / 14dBm |
| | 2,400-2,483 GHz | 100mW / 20dBm |
| Octocopter | Octocopter | 100mW / 20dBm |
| Quadcopter Phantom 2 | 2,4 GHz ISM | 100mW / 20dBm |
| Quadcopter Phantom 3 Advanced | 2,400-2,483 GHz | 100mW / 20dBm |
| Phantom 4 DJI | 2,400-2,483 GHz | 100mW / 20dBm |
| Helio model DJI Inspire I | 5,725-5,825 GHz (remote to remote) | 25mW / 14dBm |
| | 2,400-2,483 (remote to aircraft) | 100mW / 20dBm |
| DJI Mavic PRO | 2,400-2,483 GHz | 100mW / 20dBm |

5. Requirements for performance of operations with aircraft model

| MODEL AIRCRAFT | | |
|--|--|---|
| <i>This list of requirements is of an informative character and does not release the unmanned aircraft operator from the obligation to comply with all applicable conditions laid down in the Regulation on Conditions for Use of Unmanned Aircraft Systems and Model Aircraft</i> | | Provision of regulation (Article, Annex) |
| Flight area | Classes: I and II | Articles 4 and 6 |
| Insurance contract (if applicable) | In accordance with the Law on Compulsory Traffic Insurance ("Official Gazette of Montenegro", No. 44/12) | Article 7 (2) |
| Use of radio-frequency (if applicable) | In accordance with the Law on Electronic Communications ("Official Gazette of Montenegro", No. 40/13, 56/13 and 2/17) See point 4. | Article 8 |
| Marking | OM>5kg → Identification fire-resistant plate OM<5kg → Identification fire-resistant plate or identification placard | Article 9 |
| Flight in controlled airspace (CTR) | Only if the approval of the air traffic service unit is obtained Safety order (No: 2017/001 Rev. 00) laying down requirements for use of unmanned aircraft systems and aircraft models within CTR Podgorica and CTR Tivat | Articles 11 and 14 |
| Appropriate application of flight rules | 1. Regulation on manner, rules and procedures of air and operational services in air traffic ("Official Gazette of Montenegro", No. 11/16) 2. Regulation laying down classes of Montenegrin airspace and conditions for their use ("Official Gazette of Montenegro", No. 60/2011) | Article 10 |

Explanatory note:

| Classification of flight area | |
|--------------------------------------|---|
| Class I | Non-constructed area with no erected constructions or facilities and with no people, apart from pilot and personnel required for flying. |
| Class II | An uninhabited built area with auxiliary commercial facilities or constructions which are not intended for staying of people, where there are no people, apart from pilot and personnel required for flying, where only temporary staying is allowed, with no detaining of people through the area (bicyclists, pedestrians, etc.). |

- *Insurance contract:* Article 42 of the Law on Compulsory Traffic Insurance ("Official Gazette of Montenegro", No. 44/12) stipulates that the owner or user of the aircraft is obliged to conclude liability insurance contract for damage caused to the third parties by using unmanned aircraft system.

- *Marking:* An identification fire-resistant plate or placard shall contain:

- Identification mark of unmanned aircraft which for flight operations of Categories A, B and C shall not begin with the capital letter "D", while for category D an identification mark be issued by the Civil Aviation Agency.
- Name, address and contact information for the operator or owner.

Example:

Identification mark: **PHANTOM7777**
 Name: **Marko Marković**
 Address: **xxx yyy zzz**

Contact: **phone number / e-mail address**

- *Flying in Controlled Airspace*: Flying in controlled airspace is conducted in accordance with the Safety Order (No. 2017/001 Rev. 00), which defines the areas where flight operations are restricted and the operator's obligations during the flight planning and flight operations.

6. Requirements for performance of flight operations with unmanned aircraft systems

CATEGORY A

| Class of unmanned aircraft system | Class of flight operations area | | | |
|-----------------------------------|---------------------------------|----|-----|----|
| | I | II | III | IV |
| 5 OM ⁽¹⁾ <5 kg | A | A | B | C |
| 10 5≤OM<10 kg | A | B | C | D |
| 20 10≤OM≤20 kg | B | C | D | D |

Note (1): OM – Operational mass of unmanned aircraft

| Classification of flight area | |
|-------------------------------|---|
| Class I | Non-constructed area with no erected constructions or facilities and with no people, apart from pilot and personnel required for flying. |
| Class II | An uninhabited built area with auxiliary commercial facilities or constructions which are not intended for staying of people, where there are no people, apart from pilot and personnel required for flying, where only temporary staying is allowed, with no detaining of people through the area (bicyclists, pedestrians, etc.). |
| Class III | Inhabited area with constructions or facilities primarily intended for staying, business or recreation (apartment buildings, apartment houses, schools, offices, sport pitches, parks, etc.). |
| Class IV | Areas of narrow urban zones (downtown, settlements, etc.). |

CATEGORY A

| <i>This list of requirements is of an informative character and does not release the unmanned aircraft operator from the obligation to comply with all applicable conditions laid down in the Regulation on Conditions for Use of Unmanned Aircraft Systems and Model Aircraft</i> | | Provision of regulation (Article, Annex) |
|--|--|--|
| Class of unmanned aircraft | Classes: 5 and 10 | Article 3 |
| Flight area | Classes: I and II | Article 4 |
| Insurance contract | In accordance with the Law on Compulsory Traffic Insurance (“Official Gazette of Montenegro”, No. 44/12) | Article 7 (1) |
| Use of radio-frequency (if applicable) | In accordance with the Law on Electronic Communications (“Official Gazette of Montenegro”, No. 40/13, 56/13 and 2/17) See point 4. | Article 8 |
| Marking | OM>5kg → Identification fire-resistant plate OM<5kg → Identification fire-resistant plate or identification placard | Article 9 |
| Flight in controlled airspace (CTR) | Only if the approval of the air traffic service unit is obtained Safety Order (No: 2017/001 Rev. 00) laying down requirements for use of unmanned aircraft systems and aircraft models within CTR Podgorica and CTR Tivat | Articles. 11 and 14 |
| Appropriate application of flight rules | 1. Regulation on manner, rules and procedures of air and operational services in air traffic (“Official Gazette of Montenegro”, No. 11/16) 2. Regulation laying down classes of Montenegrin airspace and conditions for their use (“Official Gazette of Montenegro”, No. 60/11) | Article 10 |

| | | |
|--|--|---------------------------------------|
| Appoint a responsible person | | Article 15 (1) |
| Establish system for reporting occurrences relevant to aviation safety | In accordance with the Regulation on Reporting, Analysis and Follow-up of Occurrences in Civil Aviation (“Official Gazette of Montenegro”, No. 45/16) | Article 15 (2) |
| Establish a system for maintenance and record keeping system of flight logs | Logs must be kept for at least 2 years | Article 15 (3) |
| Submit a Declaration to the Civil Aviation Agency | Declaration form can be downloaded from the website of the Civil Aviation Agency | Article 18 and Annex 2 |
| Age of pilot | 16 years of age or more | Annex 4 |
| Psycho-physical fitness of the pilot | <ul style="list-style-type: none"> - Declaration of pilot, or - Medical certificate class I, II, LAPL, or medical certificate of sport pilot, or - Medical certificate for operating vehicles issued to drivers for whom operating vehicles is not primary profession, which is up to 5 years old, or - Valid driver licence | Annex 4 and Declaration Form of pilot |
| Knowledge of applicable air regulations | <ul style="list-style-type: none"> - Declaration of pilot or - Pilot licence or evidence on passed theory exam from knowing air regulations | Annex 4 and Declaration Form of pilot |
| Competence for system operation | Declaration of a pilot | Annex 4 and Declaration Form of pilot |
| Unmanned aircraft system must comply with technical requirements for intended flight operation category | System of operating | Annex 4 |
| General conditions for unmanned aircraft operations | In accordance with Article 14, operator can be provided with an exemption from the following: <ul style="list-style-type: none"> - Article 11 paragraph 2 point 6 - Article 11 paragraph 2 point 7 - Article 11 paragraph 2 point 8 - Article 11 paragraph 2 point 9 - Article 11 paragraph 2 point 11 | Articles 11 and 14 |
| Mandatory documents | Documents that the pilot is obliged to have on-site when conducting flight operations | Article 20 (1) |

Explanatory note:

- *Establish system for reporting occurrences relevant to aviation safety* – Safety Information No. 2017/002 Rev 00 and Regulation on the Notifying, Analysis and Follow-up of Occurrences in Civil Aviation (“Official Gazette of Montenegro”, No. 45/16)
- *General conditions for unmanned aircraft operations* – With reference to Article 11 paragraph 2 points 6, 7, 8 and 11 an exemption is provided by the Civil Aviation Agency, while for the point 9 an exemption is provided by the competent air traffic service unit.
- *Marking:* An identification fire-resistant plate or placard must contain:
 - An identification mark of unmanned aircraft which shall not begin with the capital letter "D",
 - Name, address and contact information of operator or owner.

Example:

Identification mark: **PHANTOM7777**
Name: **Marko Marković**
Address: **xxx yyy zzz**
Contact: **phone number / e-mail address**

- *Flying in Controlled Airspace:* Flying in controlled airspace is conducted in accordance with the Safety Order (No. 2017/001 Rev. 00), which defines the areas where flight operations are restricted and the operator's obligations during the flight planning and flight operations.

CATEGORY B

| Class of unmanned aircraft system | Class of flight area | | | |
|-----------------------------------|----------------------|----|-----|----|
| | I | II | III | IV |
| 5 OM ⁽¹⁾ <5 kg | A | A | B | C |
| 10 5≤OM<10 kg | A | B | C | D |
| 20 10≤OM≤20 kg | B | C | D | D |

Note (1): OM – Operational mass of unmanned aircraft

| Classification of flight area | |
|-------------------------------|---|
| Class I | Non-constructed area with no erected constructions or facilities and with no people, apart from pilot and personnel required for flying. |
| Class II | An uninhabited built area with auxiliary commercial facilities or constructions which are not intended for staying of people, where there are no people, apart from pilot and personnel required for flying, where only temporary staying is allowed, with no detaining of people through the area (bicyclists, pedestrians, etc.). |
| Class III | Inhabited area with constructions or facilities primarily intended for staying, business or recreation (apartment buildings, apartment houses, schools, offices, sport pitches, parks, etc.). |
| Class IV | Areas of narrow urban zones (downtown, settlements, etc.). |

CATEGORY B

| <i>This list of requirements is of an informative character and does not release the unmanned aircraft operator from the obligation to comply with all applicable conditions laid down in the Regulation on the Conditions for Use of Unmanned Aircraft Systems and Model Aircraft</i> | | Provision of regulation (Article, Annex) |
|--|--|--|
| Class of unmanned aircraft | Classes: 5, 10 and 20 | Article 3 |
| Flight area | Classes: I, II and III | Article 4 |
| Insurance contract | In accordance with the Law on Compulsory Traffic Insurance (“Official Gazette of Montenegro”, No. 44/12) | Article 7 (1) |
| Use of radio-frequency (if applicable) | In accordance with the Law on Electronic Communications (“Official Gazette of Montenegro”, No. 40/13, 56/13 and 2/17) See point 4. | Article 8 |
| Marking | OM>5kg → Identification fire-resistant plate OM<5kg → Identification fire-resistant plate or identification placard | Article 9 |
| Flight in controlled airspace (CTR) | Only if the approval of the air traffic service unit is obtained Safety order (No: 2017/001 Rev. 00) laying down requirements for use of unmanned aircraft systems and aircraft models within CTR Podgorica and CTR Tivat | Articles 11 and 14 |
| Appropriate application of flight rules | 1. Regulation on manner, rules and procedures of air and operational services in air traffic (“Official Gazette of Montenegro”, No. 11/16) 2. Regulation laying down classes of Montenegrin airspace and conditions for their use (“Official Gazette of Montenegro”, No. 60/11) | Article 10 |
| Appoint a responsible person | | Article 15 (1) |
| Establish system for reporting occurrences relevant to aviation safety | In accordance with the Regulation on Reporting, Analysis and Follow-up of Occurrences in Civil Aviation (“Official Gazette of Montenegro”, No. 45/16) | Article 15 (2) |
| Establish a system for maintenance and record keeping system of flight logs | Logs must be kept for at least 2 years | Article 15 (3) |

| | | |
|--|--|---------------------------------------|
| Submit a Declaration to the Civil Aviation Agency | A Declaration Form can be downloaded from the website of the Civil Aviation Agency | Article 18 and Annex 2 |
| Age of pilot | 18 years of age or more | Annex 4 |
| Psycho-physical fitness of pilot | <ul style="list-style-type: none"> - Declaration of pilot, or - Medical certificate of class I, II, LAPL, or medical certificate of sport pilot or - Medical certificate for operating vehicles issued to drivers for whom operating vehicles is not primary profession, which is up to 5 years old, or - Valid driver licence | Annex 4 and Declaration Form of pilot |
| Knowledge of applicable air regulations | <ul style="list-style-type: none"> - Declaration of a pilot or - Pilot licence or evidence on passed theory exam from knowing air regulations | Annex 4 and Declaration Form of pilot |
| Competence for system operation | Declaration of a pilot | Annex 4 and Declaration Form of pilot |
| Unmanned aircraft system must comply with technical requirements for intended flight operation category | System of operating Indication of telemetric parameters for pilot The minimum number of multi-copter engines | Annex 4 |
| General conditions for unmanned aircraft operations | In accordance with Article 14, operator can be provided with an exemption from the following: <ul style="list-style-type: none"> - Article 11 paragraph 2 point 6 - Article 11 paragraph 2 point 7 - Article 11 paragraph 2 point 8 - Article 11 paragraph 2 point 9 - Article 11 paragraph 2 point 11 | Articles 11 and 14 |
| Mandatory documents | Documents that the pilot is obliged to have on-site when conducting flight operations | Article 20 (1) |

Explanatory note:

- *Establish system for reporting occurrences relevant to aviation safety* – Safety Information No 2017/002 Rev 00 and Regulation on the Notifying, Analysis and Follow-up of Occurrences in Civil Aviation (Official Gazette of MNE, No 45/16)
- *General conditions for unmanned aircraft operations* – With reference to Article 11 paragraph 2 points 6, 7, 8 and 11 an exemption is provided by the Civil Aviation Agency, while for the point 9 an exemption is provided by the competent air traffic service unit.
- *Marking:* An identification fire-resistant plate or placard must contain:
 - An identification mark of unmanned aircraft which shall not begin with the capital letter "D".
 - Name, address and contact information of operator or owner.

Example:

Identification mark: **PHANTOM7777**
Name: **Marko Marković**
Address: **xxx yyy zzz**
Contact: **phone number / e-mail address**

- *The minimum number of engines of multi-copters* – 6 (a smaller number of engines is also deemed acceptable provided that a multi-copter is equipped with a parachute)
- *Flying in Controlled Airspace:* *Flying in controlled airspace is performed in accordance with the Safety Order (No. 2017/001 Rev. 00), which defines the areas where flight operations are restricted and the operator's obligations during the flight planning and flight operations.*

CATEGORY C

| Class of unmanned aircraft system | Class of flight area | | | |
|-----------------------------------|----------------------|----|-----|----|
| | I | II | III | IV |
| 5 OM ⁽¹⁾ <5 kg | A | A | B | C |
| 10 5≤OM<10 kg | A | B | C | D |
| 20 10≤OM≤20 kg | B | C | D | D |

Note (1): OM – Operational mass of unmanned aircraft

| Classification of flight area | |
|--------------------------------------|---|
| Class I | Non-constructed area with no erected constructions or facilities and with no people, apart from pilot and personnel required for flying. |
| Class II | An uninhabited built area with auxiliary commercial facilities or constructions which are not intended for staying of people, where there are no people, apart from pilot and personnel required for flying, where only temporary staying is allowed, with no detaining of people through the area (bicyclists, pedestrians, etc.). |
| Class III | Inhabited area with constructions or facilities primarily intended for staying, business or recreation (apartment buildings, apartment houses, schools, offices, sport pitches, parks, etc.). |
| Class IV | Areas of narrow urban zones (downtown, settlements, etc.). |

CATEGORY C

| <i>This list of requirements is of an informative character and does not release the unmanned aircraft operator from the obligation to comply with all applicable conditions laid down in the Regulation on the Conditions for Use of Unmanned Aircraft Systems and Model Aircraft</i> | | Provision of regulation (Article, Annex) |
|--|--|---|
| Class of unmanned aircraft | Classes: 5, 10 and 20 | Article 3 |
| Flight area | Classes: II, III and IV | Article 4 |
| Insurance contract | In accordance with the Law on Compulsory Traffic Insurance (“Official Gazette of Montenegro”, No. 44/12) | Article 7 (1) |
| Use of radio-frequency | In accordance with the Law on Electronic Communications (“Official Gazette of Montenegro”, No. 40/13, 56/13 and 2/17) See point 4. | Article 8 |
| Marking | OM>5kg → Identification fire-resistant plate OM<5kg → Identification fire-resistant plate or identification placard | Article 9 |
| Operations Manual | Pilot is obliged to have operations manual on-site during flight operations | Article 16 |
| Flight in controlled airspace (CTR) | Only if the approval of the air traffic service unit is obtained Safety Order (No: 2017/001 Rev. 00) laying down requirements for use of unmanned aircraft systems and aircraft models within CTR Podgorica and CTR Tivat | Articles 11 and 14 |
| Appropriate application of flight rules | 1. Regulation on manner, rules and procedures of air and operational services in air traffic (“Official Gazette of Montenegro”, No. 11/16) 2. Regulation laying down classes of Montenegrin airspace and conditions for their use (“Official Gazette of Montenegro”, No. 60/11) | Article 10 |
| Appoint a responsible person | | Article 15 (1) |
| Establish system for reporting occurrences relevant to aviation safety | In accordance with the Regulation on Reporting, Analysis and Follow-up of Occurrences in Civil | Article 15 (2) |

| | | |
|--|--|--|
| | Aviation (“Official Gazette of Montenegro”, No. 45/16) | |
| Establish a system for maintenance and record keeping system of flight logs | Logs must be kept for at least 2 years | Article 15 (3) |
| Evaluate needs for conducting risk management activities | Risk management activities, if needed, shall be conducted before flight operations | Article 15 (5) Annex 3 |
| Submit a Declaration to the Civil Aviation Agency | A Declaration Form can be downloaded from the website of the Civil Aviation Agency | Article 18 and Annex 2 |
| Age of pilot | 18 years of age or more | Annex 4 |
| Psycho-physical fitness of pilot | <ul style="list-style-type: none"> - Medical certificate of class I, II, LAPL, or medical certificate of sport pilot, or - Medical certificate for operating vehicles issued to drivers for whom operating vehicles is not primary profession, which is up to 5 years old, or - Valid driver licence | Annex 4 and Declaration Form of pilot |
| Knowledge of applicable air regulations | <ul style="list-style-type: none"> - Pilot licence or evidence on passed theory exam from knowing air regulations | Annex 4 and Declaration Form of pilot |
| Competence for system operation | Declaration of a pilot | Annex 4 and Declaration Form of pilot |
| Unmanned aircraft system must comply with technical requirements for intended flight operation category | <ul style="list-style-type: none"> - System of operating - Indication of telemetric parameters for pilot - The minimum number of multi-copter engines - Significant functions/systems that shall not be compromised in case of individual failure – Failure Mode Effects Analysis is needed (FMEA) | Article 14 Annex 4 and Annex 5 |
| General conditions for unmanned aircraft operations | <p>In accordance with the Article 14, operator can be provided with an exemption from the following:</p> <ul style="list-style-type: none"> - Article 11 paragraph 2 point 6 - Article 11 paragraph 2 point 7 - Article 11 paragraph 2 point 8 - Article 11 paragraph 2 point 9 - Article 11 paragraph 2 point 11 | Articles 11 and 14 |
| Mandatory documents | Documents that the pilot is obliged to have on-site when conducting flight operations | Article 20 (2) |

Explanatory note:

- *Establish system for reporting occurrences relevant to aviation safety* – Safety information No 2017/002 Rev 00 and Regulation on the Notifying, Analysis and Follow-up of Occurrences in Civil Aviation (“Official Gazette of Montenegro”, No. 45/16)
- *General conditions for unmanned aircraft operations* – With reference to Article 11 paragraph 2 points 6, 7, 8 and 11 an exemption is provided by the Civil Aviation Agency, while for the point 9 an exemption is provided by the competent air traffic service unit.
- *Marking:* An identification fire-resistant plate or placard must contain:
 - An identification mark of unmanned aircraft which shall not begin with the capital letter "D".

- Name, address and contact information of operator or owner.

Example:

Identification mark: **PHANTOM7777**
Name: **Marko Marković**
Address: **xxx yyy zzz**
Contact: **phone number / e-mail address**

- *The minimum number of engines of multi-copter – 8*
- *Flying in Controlled Airspace:* Flying in controlled airspace is performed in accordance with the Safety Order (No. 2017/001 Rev. 00), which defines the areas where flight operations are restricted and the operator's obligations during the flight planning and flight operations.
- *Operations Manual* – Operator is obliged to develop an Operations Manual whose content will be in accordance with the Article 16 of the Regulation

CATEGORY D

| Class of unmanned aircraft system | Class of flight area | | | |
|-----------------------------------|----------------------|----|-----|----|
| | I | II | III | IV |
| 5 OM ⁽¹⁾ <5 kg | A | A | B | C |
| 10 5≤OM<10 kg | A | B | C | D |
| 20 10≤OM≤20 kg | B | C | D | D |

Note (1): OM – Operational mass of unmanned aircraft

| Classification of flight area | |
|-------------------------------|--|
| Class I | Non-constructed area with no erected constructions or facilities and with no people, apart from pilot and personnel required for flying. |
| Class II | An uninhabited built area with auxiliary commercial facilities or constructions which are not intended for staying of people, where there are no people, apart from pilot and personnel required for flying, where only temporary staying is allowed, with no detaining of people through the area (bicyclists, pedestrians, etc.) |
| Class III | Inhabited area with constructions or facilities primarily intended for staying, business or recreation (apartment buildings, apartment houses, schools, offices, sport pitches, parks, etc.) |
| Class IV | Areas of narrow urban zones (downtown, settlements, etc.) |

CATEGORY D

| <i>This list of requirements is of an informative character and does not release the unmanned aircraft operator from the obligation to comply with all applicable conditions laid down in the Regulation on the Conditions for Use of Unmanned Aircraft Systems and Model Aircraft</i> | | Provision of regulation (Article, Annex) |
|--|--|--|
| Class of unmanned aircraft | Classes: 10 and 20 | Article 3 |
| Flight area | Classes: III and IV | Article 4 |
| Insurance contract | In accordance with the Law on Compulsory Traffic Insurance (“Official Gazette of Montenegro”, No. 44/12) | Article 7 (1) |
| Use of radio-frequency | In accordance with the Law on Electronic Communications (“Official Gazette of Montenegro”, No. 40/13, 56/13 and 2/17) See point 4. | Article 8 |
| Marking | OM>5kg → Identification fire-resistant plate | Article 9 |
| Operations Manual | Submit to the Civil Aviation Agency | Article 16 |
| Flight in controlled airspace (CTR) | Only if the approval of the air traffic service unit is obtained Safety order (No: 2017/001 Rev. 00) laying down requirements for use of unmanned aircraft systems and aircraft models within CTR Podgorica and CTR Tivat | Articles 11 and 14 |
| Appropriate application of flight rules | 1. Regulation on manner, rules and procedures of air and operational services in air traffic (“Official Gazette of Montenegro”, No. No. 11/16) 2. Regulation laying down classes of Montenegrin airspace and conditions for their use (“Official Gazette of Montenegro”, No. 60/11) | Article 10 |
| Appoint a responsible person | | Article 15 (1) |
| Establish system for reporting occurrences relevant to aviation safety | In accordance with the Regulation on Reporting, Analysis and Follow-up of Occurrences in Civil Aviation (“Official Gazette of Montenegro”, No. 45/16) | Article 15 (2) |

| | | |
|--|--|---------------------------------------|
| Establish a system for maintenance and record keeping system of flight logs | Logs must be kept for at least 2 years | Article 15 (3) |
| Evaluate needs for conducting risk management activities | Risk management activities, if needed, shall be conducted before flight operations | Article 15 (5) Annex 3 |
| Submit the application for approval for flight operations with unmanned aircraft system to the Agency | The application form can be downloaded from the website of the Civil Aviation Agency | Article 19 |
| Age of pilot | 18 years of age or more | Annex 4 |
| Psycho-physical fitness of pilot | <ul style="list-style-type: none"> - Medical certificate of class I, II, LAPL, or medical certificate of sport pilot, or - Medical certificate for operating vehicles issued to drivers for whom operating vehicles is not primary profession, which is up to 5 years old, or - Valid driver licence | Annex 4 and Declaration Form of pilot |
| Knowledge of applicable air regulations | <ul style="list-style-type: none"> - Pilot licence or evidence on passed theory exam from knowing air regulations | Annex 4 and Declaration Form of pilot |
| Competence for system operation | Declaration of a pilot | Annex 4 and Declaration Form of pilot |
| Unmanned aircraft system must comply with technical requirements for intended flight operation category | <ul style="list-style-type: none"> - System of operating - Indication of telemetric parameters for pilot - The minimum number of multi-copter engines - Significant functions/systems that shall not be compromised in case of individual failure – Failure Mode Effects Analysis is needed (FMEA) | Article 14 Annex 4 and Annex 5 |
| General conditions for unmanned aircraft operations | <p>In accordance with the Article 14, operator can be provided with an exemption from the following:</p> <ul style="list-style-type: none"> - Article 11 paragraph 2 point 6 - Article 11 paragraph 2 point 7 - Article 11 paragraph 2 point 8 - Article 11 paragraph 2 point 9 - Article 11 paragraph 2 point 11 | Article 11 |
| Mandatory documents | Documents that the pilot is obliged to have on-site when conducting flight operations | Article 20 (2) |

Explanatory note:

- *Establish system for reporting occurrences relevant to aviation safety* – Safety Information No. 2017/002 Rev 00 and Regulation on the Notifying, Analysis and Follow-up of Occurrences in Civil Aviation (“Official Gazette of Montenegro”, No. 45/16)
- *General conditions for unmanned aircraft operations* – With reference to Article 11 paragraph 2 points 6, 7, 8 and 11 an exemption is provided by the Civil Aviation Agency, while for the point 9 an exemption is provided by the competent air traffic service unit.
- *Marking:* An identification fire-resistant plate or placard must contain:
 - An identification mark of unmanned aircraft issued by the Civil Aviation Agency.
 - Name, address and contact information of operator or owner.

Example:

Identification mark: **XXXXX**
Name: **Marko Marković**
Address: **xxx yyy zzz**
Contact: **phone number / e-mail address**

- *The minimum number of engines of multi-copter – 8*
- *Flying in Controlled Airspace:* Flying in controlled airspace is performed in accordance with the Safety Order (No. 2017/001 Rev. 00), which defines the areas where flight operations are restricted and the operator's obligations during the flight planning and flight operations.
- *Operations manual* – Operator is obliged to develop an Operations Manual whose content will be in accordance with the Article 16 of the Regulation.

8. References

You can find below the links that refer to the laws and regulations listed in this Guide, which can be found on the website of the Civil Aviation Agency of Montenegro and in the Official Gazette of Montenegro:

- [Law on Air Transport](#) (“Official Gazette of Montenegro”, No. 30/12 and 30/17)
- [Law on Compulsory Traffic insurance](#) (“Official Gazette of Montenegro” , No. 44/12)
- [Rulebook on method, rules and procedures for flight operations and operational air traffic services](#) (“Official Gazette of Montenegro” , No. 11/16)
- [Regulation on requirements for use and classification of airspace](#) (“Official Gazette of Montenegro”, No. 52/2017)
- [Regulation on reporting, analysis and follow-up of occurrences in civil aviation](#) (“Official Gazette of Montenegro”, No. 45/16)
- [Safety Information 2017/002 - Reporting, Analysis and Follow-up of Occurrences in Civil Aviation](#) (Revision 0, published in May 25, 2017)
- [2017-001 - Requirements for use of unmanned aircraft systems and aircraft models within CTR Podgorica i CTR Tivat](#) (Revision 0, published in September 5, 2017)

Forms:

- [Declaration in accordance with Ordinance for Unmanned Aerial Systems \(UAS\)](#)
- [Application for approval of Unmanned Aerial Systems Operations](#)
- [Application for theoretical exam for Unmanned Aerial System pilot](#)

On the website of the Agency for Electronic Communications and Postal Services and in the Official Gazette of Montenegro you can find the following links:

- [Law on Electronic Communications](#) (“Official Gazette of Montenegro”, No. 40/13, 56/13 and 02/17)
- [Regulation on radio-frequencies and conditions under which they can be used without approval](#) (“Official Gazette of Montenegro” , No. 47/14 and 50/14)
- [Radio-frequency spectrum plan](#) (“Official Gazette of Montenegro”, No 32/17)