

SIGURNOSNI NALOG

BROJ: 2017/001 rev 03

SAFETY ORDER

NUMBER: 2017/001 rev 03



CRNA GORA
AGENCIJA ZA CIVILNO VAZDUHOPLOVSTVO

Naslov:

Sigurnosni nalog kojim se utvrđuju uslovi za upotrebu sistema bespilotnih vazduhoplova u oblastima CTR Podgorica i CTR Tivat

Title:

Safety Order laying down requirements for use of unmanned aircraft systems within CTR Podgorica and CTR Tivat

Na inicijativu: Agencija za civilno vazduhoplovstvo Crne Gore (u daljem tekstu: Agencija)

Initiated by: The Civil Aviation Agency of Montenegro (hereinafter: the Agency)

Na osnovu člana 6 stav 1 tačka 10, a u vezi sa članom 19 stav 4 Zakona o vazдушnom saobraćaju („Službeni list CG” br. 30/12, 30/17 i 82/20), Agencija za civilno vazduhoplovstvo donijela je

SIGURNOSNI NALOG

Broj: 2017/001 rev 03

Referentni propisi:

Zakon o vazдушnom saobraćaju („Službeni list CG”, br. 30/12, 30/17 i 82/20);

Pravilnik o uslovima za sigurnu upotrebu sistema bespilotnih vazduhoplova („Službeni list CG”, br. 24/23 i 117/23).

Područje primjene:

Ovaj sigurnosni nalog primjenjuje se na sve operatore bespilotnih vazduhoplova (u daljem tekstu: operator) koji su uključeni u letačke operacije u kontrolisanoj zoni Podgorica (CTR Podgorica) i kontrolisanoj zoni Tivat (CTR Tivat).

Svrha:

Ovim sigurnosnim nalogom utvrđuju se:

- (1) područja sa ograničenjem letenja;
- (2) obaveze operatora u toku planiranja i obavljanja letačkih operacija.

1. Područja sa ograničenjem letenja

- (1) Letačke operacije nisu dozvoljene unutar

Pursuant to Article 6 paragraph 1 point 10, in conjunction with Article 19 paragraph 4 of the Law on Air Transport (“Official Gazette of Montenegro”, No. 30/12, 30/17 and 82/20), the Civil Aviation Agency, hereby issues

SAFETY ORDER

Number: 2017/001 rev 03

Regulation Reference:

The Law on Air Transport (“Official Gazette of Montenegro”, No. 30/12, 30/17 and 82/20).

Regulation on conditions for safe use of unmanned aircraft systems (“Official Gazette of Montenegro” No. 24/23 and 117/23).

Scope:

This Safety Order is applicable to all operators of unmanned aircraft systems (hereafter: operator) engaged in flight operations within control zone Podgorica (CTR Podgorica) and control zone Tivat (CTR Tivat).

Purpose:

This Safety Order lays down:

- (1) areas where flight operations are restricted;
- (2) operator’s obligations during flight operation planning and execution.

1. Areas where flight operations are restricted

- (1) Flight operations are not allowed within the

<p>sljedećih područja:</p> <p>Podgorica: 422102N 0191209E - 422223N 0191217E onda u smjeru kazaljke na sat luk radijusa 4.0 KM sa centrom u 422214N 0191511E - 422204N 0191805E - 422044N 0191757E onda u smjeru kazaljke na sat luk radijusa 4.0 KM sa centrom u 422053N 0191503E - 422102N 0191209E;</p> <p>Tivat: 422221N 0184148E - 422322N 0184036E onda u smjeru kazaljke na sat luk radijusa 4.0 KM sa centrom u 422447N 0184248E - 422612N 0184500E - 422511N 0184612E onda u smjeru kazaljke na sat luk radijusa 4.0 KM sa centrom u 422346N 0184400E - 422221N 0184148E.</p> <p>(2) Granice područja iz stava 1 ove tačke označene su linijom zelene boje na kartama datim u Prilogu 1 i Prilogu 2 ovog sigurnosnog naloga.</p> <p>(3) Unutar područja iz stava 1 ove tačke letачke operacije su dozvoljene samo operatorima koji dobiju odobrenje od strane jedinice za upravljanje vazdušnim prostorom - AMC Crna Gora¹, koja o tome objavljuje NOTAM.</p> <p>(4) U kontrolisanim zonama, izvan područja iz stava 1 ove tačke, letачke operacije dozvoljene su u vertikalnim granicama do 50m iznad terena (AGL²).</p> <p>(5) U kontrolisanim zonama, izvan područja iz stava 1 ove tačke, letачke operacije u vertikalnim granicama od 50m do 120m iznad terena (AGL) dozvoljene su samo operatorima koji dobiju odobrenje od strane nadležne jedinice za upravljanje vazdušnim prostorom - AMC Crna Gora, koja o tome objavljuje NOTAM.</p> <p>(6) Granice kontrolisanih zona označene su plavom bojom na kartama datim u Prilogu 1 i Prilogu 2 ovog sigurnosnog naloga.</p>	<p><i>following areas:</i></p> <p>Podgorica: 422102N 0191209E - 422223N 0191217E then a clockwise arc radius 4.0 KM centered on 422214N 0191511E - 422204N 0191805E - 422044N 0191757E then a clockwise arc radius 4.0 KM centered on 422053N 0191503E - 422102N 0191209E;</p> <p>Tivat: 422221N 0184148E - 422322N 0184036E then a clockwise arc radius 4.0 KM centered on 422447N 0184248E - 422612N 0184500E - 422511N 0184612E then a clockwise arc radius 4.0 KM centered on 422346 0184400E - 422221N 0184148E.</p> <p><i>(2) The boundaries of areas referred to in paragraph 1 of this point are marked with a green line on the maps in Annex 1 and Annex 2 of this Safety Order.</i></p> <p><i>(3) Within areas referred to in paragraph 1 of this point, flight operations are allowed only to operators who obtain an approval from the Airspace Management Cell – AMC Montenegro³, which shall publish the NOTAM.</i></p> <p><i>(4) In control zones, outside of areas referred to in paragraph 1 of this point, flight operations are allowed with vertical limits up to 50m above ground level (AGL⁴).</i></p> <p><i>(5) Within areas referred to in paragraph 1 of this point, flight operations with vertical limits from 50m up to 120m above ground level (AGL) are allowed only to operators who get an approval from the Airspace Management Cell – AMC Montenegro, which shall publish the NOTAM.</i></p> <p><i>(6) Boundaries of the control zones are marked with a blue line on the maps in Annex 1 and Annex 2 of this Safety Order.</i></p>
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¹ Jedinica za upravljanje vazdušnim prostorom (Airspace Management Cell – AMC) je jedinica koja je odgovorna za svakodnevno upravljanje vazdušnim prostorom u nadležnosti jedne ili više država članica Evropske konferencije civilnog vazduhoplovstva (ECAC).

² Iznad nivoa zemlje.

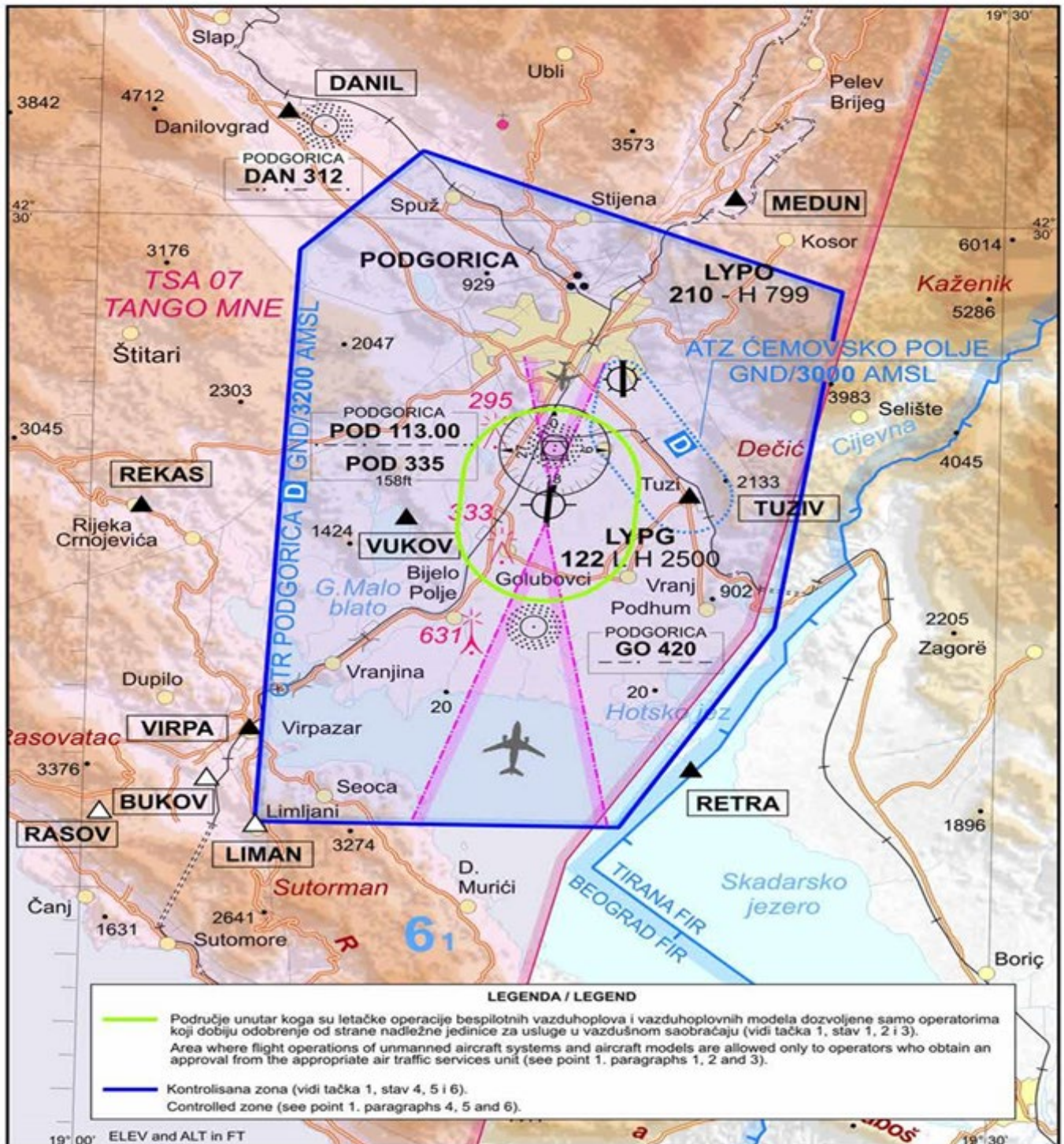
³ Airspace Management Cell (AMC) is a joint civil/military cell responsible for the day-to-day management and temporary allocation of national or sub-regional airspace under the jurisdiction of one or more ECAC State(s).

⁴ Above ground level.

<p>2. Obaveze operatora</p> <p>(1) Operator podnosi AMC jedinici Crne Gore zahtjev za odobrenje letačkih operacija u slučajevima iz stava 3 i stava 5 tačke 1, najmanje dva radna dana do 10:00 UTC, prije planiranih letačkih operacija, za svaki let pojedinačno.</p> <p>(2) Zahtjev iz stava 1 ove tačke podnosi se na obrascu iz Priloga 3 ovog sigurnosnog naloga.</p> <p>(3) Na dan obavljanja letačkih operacija, operator je dužan da koristi vazdušni prostor na način kako je odredila AMC jedinica, i sve informacije vezane za početak, završetak, otkazivanje ili skraćenje vremena upotrebe dodeljene fleksibilne strukture vazdušnog prostora odmah, bez odlaganja, obavesti nadležnu jedinicu za kontrolu letenja.</p> <p>(4) Operator mora da obezbijedi da u svakom trenutku trajanja letačkih operacija pilot sistema bespilotnog vazduhoplova bude dostupan na broju mobilnog telefona navedenom u zahtjevu iz stava 1 ove tačke.</p> <p>3. Stupanje na snagu</p> <p>Danom donošenja ovog sigurnosnog naloga prestaje da važi Sigurnosni nalog broj 2017/001 rev.02 od 26.11.2019. godine.</p> <p>Ovaj Sigurnosni nalog stupa na snagu danom donošenja i biće objavljen na internet stranici Agencije.</p>	<p>2. Operator's obligations</p> <p>(1) <i>Operator shall submit a request for an approval of flight operations referred to in paragraph 3 and paragraph 5 of point 1 to the AMC unit at least two working days until 10:00 UTC, prior planned flight operations, for each flight individually.</i></p> <p>(2) <i>The request referred to in paragraph 1 of this point is to be submitted on the application form given in Annex 3 of this Safety Order.</i></p> <p>(3) <i>On the day of flight operations, the operator is obliged to use the airspace as determined by the AMC unit, and all information related to the starting, finishing, cancellation or reduction of the time of use of the assigned flexible airspace structure, immediately, without delay, notify the appropriate air traffic unit.</i></p> <p>(4) <i>Operator shall ensure that in any moment of flight operations the pilot-in-command of the unmanned aircraft system is available on mobile phone number given in the request referred to in paragraph 1 of this point.</i></p> <p>3. Entry into force</p> <p><i>On the day of adoption of this Safety Order, the Safety order nb. 2017/001 rev.02 from 26.11.2019. is hereby repealed.</i></p> <p><i>This Safety Order shall enter into force on the day of its adoption and will be published on Agency's website.</i></p>
<p>Direktor / Director</p> <p>Ivan Šćekić</p>	<p>Datum</p> <p><i>Date</i></p>

PODRUČJE SA OGRANIČENJEM LETENJA SISTEMA BESPILOTNIH VAZDUHOPLOVA U OBLASTI CTR PODGORICA

AREAS WHERE FLIGHT OPERATIONS OF UNMANNED AIRCRAFT SYSTEMS ARE RESTRICTED IN CTR PODGORICA



CTR Podgorica

Tel: +382 20 414 041

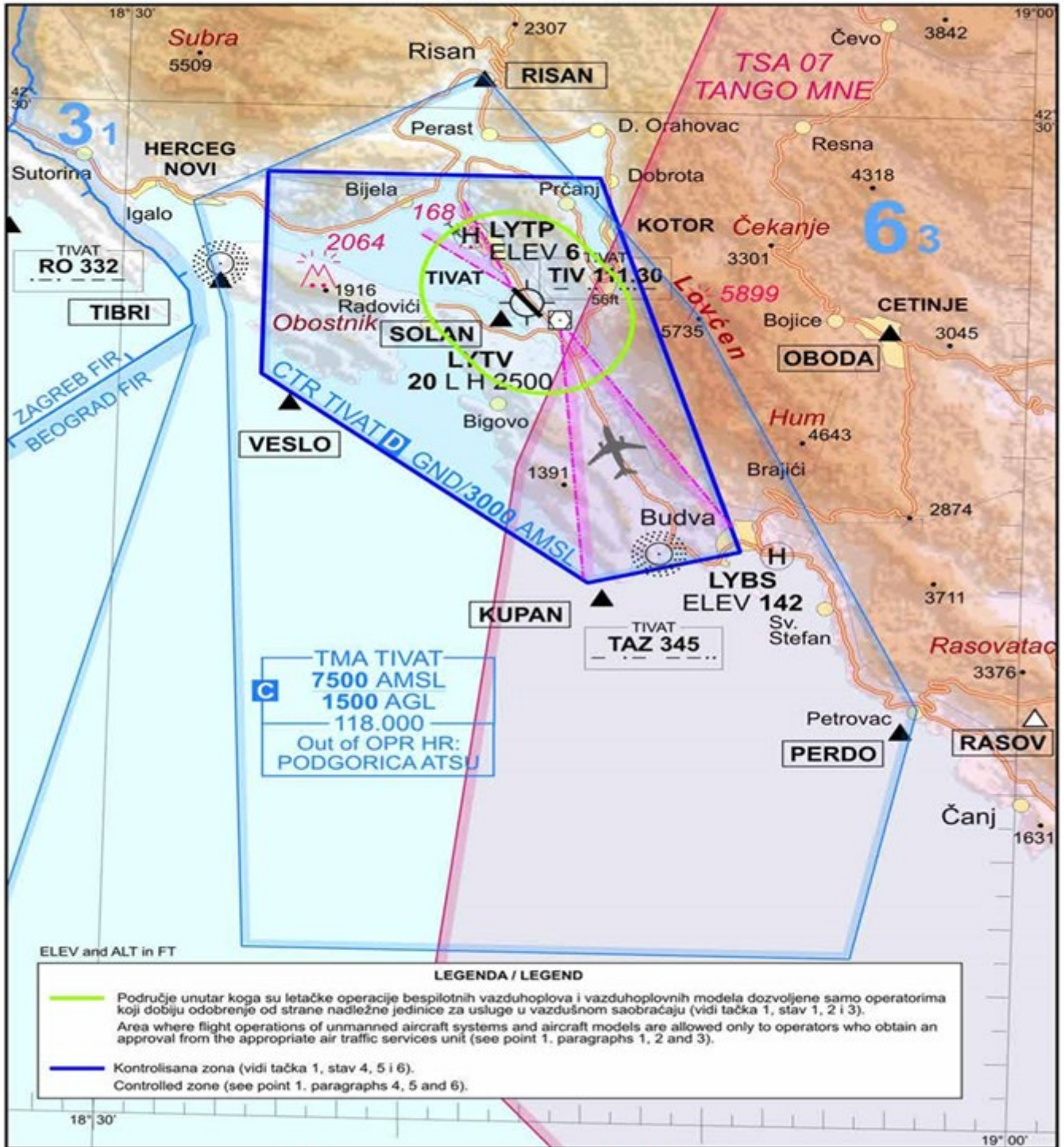
+382 20 414 011

e-mail: amc.mne@smatsa.rs

+382 20 414 019

PODRUČJE SA OGRANIČENJEM LETENJA SISTEMA BESPILOTNIH VAZDUHOPLOVA U OBLASTI CTR TIVAT

AREAS WHERE FLIGHT OPERATIONS OF UNMANNED AIRCRAFT SYSTEMS ARE RESTRICTED IN CTR TIVAT



CTR Tivat

Tel: +382 20 414 041

+382 20 414 011

e-mail: amc.mne@smatsa.rs

+382 20 414 019



**ZAHTJEV ZA ODOBRENJE LETENJA SISTEMA
BESPILOTNIH
VAZDUHOPLOVA U OBLASTI CTR PODGORICA/CTR
TIVAT**

DIO 1: PODACI O PODNOSIOCU ZAHTJEVA

Podnosilac zahtjeva:

Adresa podnosioca zahtjeva:

Broj telefona: Broj faxes:

E-mail:

DIO 2: PODACI O BESPILOTNOM VAZDUHOPLOVU

Kategorija:	
Model:	
Dimenzije:	
Registracioni broj:	
Maksimalan domet:	
Težina:	
Boja:	



**ZAHTJEV ZA ODOBRENJE LETENJA SISTEMA
BESPILOTNIH
VAZDUHOPLOVA U OBLASTI CTR PODGORICA/CTR
TIVAT**

DIO 3: PODACI O VAZDUŠNOM PROSTORU		
Vrsta letaćkih operacija:		
Opština na kojoj se planiraju letačke operacije:		
Geografske koordinate položaja sa koga se planira početak letaćkih operacija (<i>izražene u WGS-84 sistemu¹</i>):		
Ukoliko su lateralne granice prostora u kome se planiraju letačke operacije kružnog oblika, navesti njihov poluprečnik (navesti brojčanu vrednosti izraženu u m ² ili NM ³): m NM
Ukoliko lateralne granice prostora u kome se planiraju letačke operacije nisu kružnog oblika, navesti njihove geografske koordinate (<i>izražene u WGS-84 sistemu</i>):	1.	
	2.	
	3.	
	4.	
	5.	
	6.	
	7.	
	8.	

¹ Svetski geodetski sistem 1984.

² Metri (sa ciframa ispred).

³ Nautičke milje (sa ciframa ispred).



**ZAHTJEV ZA ODOBRENJE LETENJA SISTEMA
BESPILOTNIH
VAZDUHOPLOVA U OBLASTI CTR PODGORICA/CTR
TIVAT**

	9.	
	10.	
	11.	
	12.	
	13.	
	14.	
	15.	
Gornja vertikalna granica vazdušnog prostora u kome se planiraju letačke operacije (navesti brojčanu vrednosti izraženu u FT ⁴ AMSL ⁵): FT AMSL	

DIO 4: PODACI O PERIODU KORIŠĆENJA VAZDUŠNOG PROSTORA	
Datum početka letačkih operacija: (<i>dd.mm.gggg.</i>)	
Vrijeme početka letačkih operacija: (<i>ss:mm po lokalnom vremenu</i>)	
Datum završetka letačkih operacija: (<i>dd.mm.gggg.</i>)	
Vrijeme završetka letačkih operacija: (<i>ss:mm po lokalnom vremenu</i>)	

⁴ Stope (jedinica mere).

⁵ Iznad srednjeg morskog nivoa.



**ZAHTJEV ZA ODOBRENJE LETENJA SISTEMA
BESPILOTNIH
VAZDUHOPLOVA U OBLASTI CTR PODGORICA/CTR
TIVAT**

**DIO 5: PODACI O PILOTU SISTEMA BESPILOTNOG VAZDUHOPLOVA ZADUŽENOG ZA
KOORDINACIJU SA NADLEŽNOM JEDINICOM KONTROLE LETENJA**

Pilot sistema bespilotnog vazduhoplova:

.....

Broj mobilnog telefona:

Potpis podnosioca zahtjeva:

.....

Mjesto:

Datum:



**APPLICATION FOR FLIGHT APPROVAL OF UNMANNED
AIRCRAFT SYSTEMS WITHIN CTR PODGORICA/CTR
TIVAT**

Napomena:

- 1) Zahtjev za ovo odobrenje ne oslobađa operatora od obaveze dobijanja svih drugih potrebnih odobrenja u skladu sa Zakonom o vazdušnom saobraćaju („Službeni list CG”, br. 30/12, 30/17 i 82/20) i Pravilnikom o uslovima za sigurnu upotrebu sistema bespilotnih vazduhoplova („Službeni list CG”, br. 24/23 i 117/23).
- 2) Posjedovanje odobrenja za posebno korišćenje kontrolisanog vazdušnog prostora ne oslobađa operatora obaveze da od nadležne jedinice kontrole letenja dnevno telefonom zatraži odobrenje za početak i javi završetak korišćenja alociranog vazdušnog prostora.
- 3) Nadležna jedinica kontrole letenja zadržava pravo promjene uslova odnosno prekida letenja bespilotnog vazduhoplova za koje je izdato odobrenje u slučajevima kada to situacija u vazdušnom prostoru zahtijeva.
- 4) Lice zaduženo za koordinaciju sa nadležnom jedinicom kontrole letenja mora sve vrijeme trajanja aktivnosti da bude dostupno na broju mobilnog telefona navedenom u ovom zahtjevu.

Popunjen zahtjev poslati elektronskom poštom jedinici za upravljanje vazdušnim prostorom Crne Gore (AMC⁶):

e-mail: amc.mne@smatsa.rs

Tel: **+ 382 20 414 041**
+382 20 414 011
+382 20 414 019

Telefon za javljanje početka i završetka letaćkih operacija u nadležnoj jedinici kontrole letenja⁷:

Podgorica

Tivat

Tel: **+ 382 20 414 004**

Tel: **+ 382 20 414 059**

⁶ Jedinica za upravljanje vazdušnim prostorom (Airspace Management Cell – AMC) je jedinica koja je odgovorna za svakodnevno upravljanje vazdušnim prostorom u nadležnosti jedne ili više država članica Evropske konferencije civilnog vazduhoplovstva (ECAC).

⁷ Nadležna jedinica kontrole letenja (Air Traffic Control Unit – ATC unit) je aerodromska kontrola vazdušnog saobraćaja.



**APPLICATION FOR FLIGHT APPROVAL OF UNMANNED
AIRCRAFT SYSTEMS WITHIN CTR PODGORICA/CTR
TIVAT**

PART 1: APPLICANT'S DATA

Applicant:

Applicant's address:

Phone number: Fax :

E-mail:

PART 2: UNMANNED AIRCRAFT

Category:

Model:

Dimensions:

Registration number:

Maximum range:

Weight:

Colour:



**APPLICATION FOR FLIGHT APPROVAL OF UNMANNED
AIRCRAFT SYSTEMS WITHIN CTR PODGORICA/CTR
TIVAT**

PART 3: AIRSPACE DATA		
Type of flight operations:		
The municipality where flight operations are planned:		
Geographical coordinates of the position from which the starting of flight operations is planned (<i>expressed in WGS-84 system</i> ⁸):		
If the lateral boundaries of the space in which flight operations are planned have circular shape, indicate their radius (specify the numerical value expressed in m ⁹ or NM ¹⁰): m NM
If the lateral boundaries of the space in which flight operations are planned do not have circular shape, indicate their geographical coordinates (<i>expressed in WGS-84 system</i>):	1.	
	2.	
	3.	
	4.	
	5.	
	6.	
	7.	
	8.	

⁸ World Geodetic System 1984.

⁹ Metres (preceded by figures).

¹⁰ Nautical miles (preceded by figures).



**APPLICATION FOR FLIGHT APPROVAL OF UNMANNED
AIRCRAFT SYSTEMS WITHIN CTR PODGORICA/CTR
TIVAT**

	9.	
	10.	
	11.	
	12.	
	13.	
	14.	
	15.	
Upper vertical limit of airspace in which flight operations are planned (specify the numerical value expressed in FT ¹¹ AMSL ¹²): FT AMSL	

PART 4: DATA ON THE PERIOD OF USE OF AIRSPACE	
Date of starting flight operations: <i>(dd.mm.yyyy.)</i>	
Time of starting flight operations: <i>(ss:mm local time)</i>	
Date of finishing flight operations: <i>(dd.mm.yyyy.)</i>	
Time of finishing flight operations: <i>(ss:mm local time)</i>	

¹¹ Feet (dimensional unit).

¹² Above mean sea level.



**APPLICATION FOR FLIGHT APPROVAL OF UNMANNED
AIRCRAFT SYSTEMS WITHIN CTR PODGORICA/CTR
TIVAT**

**PART 5: DATA ON THE PILOT OF THE UNMANNED AIRCRAFT SYSTEM IN CHARGE OF COORDINATION
WITH THE APPROPRIATE AIR TRAFFIC CONTROL UNIT**

Pilot of the unmanned aircraft system:

.....

Phone number:

Signature of applicant:

.....

Place:

Date:



**APPLICATION FOR FLIGHT APPROVAL OF UNMANNED
AIRCRAFT SYSTEMS WITHIN CTR PODGORICA/CTR
TIVAT**

Note:

- 1) The application for this approval does not relieve the operator from the obligation to obtain all other necessary approvals in accordance with the Law on Air Transport ("Official Gazette of Montenegro", No. 30/12, 30/17 and 82/20) and the Regulation on conditions for safe use of unmanned aircraft systems ("Official Gazette of Montenegro" No. 24/23 and 117/23).
- 2) Having the approval for special use of controlled airspace does not relieve the operator of the obligation to request daily by phone the appropriate air traffic control unit the approval for starting and the information about the finishing the use of allocated airspace.
- 3) The appropriate air traffic control unit reserves the right to change conditions or terminate flight of unmanned aircraft for which the approval has been issued in cases requested by the situation in airspace.
- 4) The person responsible for the coordination with the appropriate air traffic control unit must be available on phone number specified in the application during the entire time of the activity.

Filled application should be sent via e-mail to the Airspace Management Cell – AMC¹³
Montenegro:

e-mail: amc.mne@smatsa.rs

Tel: **+ 382 20 414 041**
+382 20 414 011
+382 20 414 019

Contact telephones for notifying the beginning and finishing of flight operations to the appropriate air traffic control unit¹⁴:

Podgorica

Tivat

Tel: **+ 382 20 414 004**

Tel: **+ 382 20 414 059**

¹³ **Airspace Management Cell (AMC)** is a joint civil/military cell responsible for the day-to-day management and temporary allocation of national or sub-regional airspace under the jurisdiction of one or more ECAC State(s).

¹⁴ **The appropriate Air Traffic Control Unit - ATC unit** is the airport air traffic control.