

## ENR 2 ZRAČNI PROSTOR OPERATIVNIH USLUGA U ZRAČNOM PROMETU

### ENR 2 AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 USLUGA KONTROLE ZRAČNOG PROMETA

ENR 2.1 AIR TRAFFIC CONTROL SERVICE

Za obavljanje usluge kontrole zračnog prometa u FIR Zagreb nadležni su:

TWR - za aerodromsku kontrolu;

APP jedinice – za prilaznu kontrolu;

ACC – za oblasnu kontrolu, pod uvjetima i ograničenjima navedenima u sljedećim tablicama:

Air traffic control services within FIR Zagreb are provided by:

TWR - for aerodrome control;

APP units- for approach control;

ACC – for area control, under conditions and limitations described in the following tables:

UNIT	AREA	MAIN FREQ	VERT. LIMITS	SERVICE TYPE
ZAGREB	CTR	118.300 MHZ	2 500 FT MSL	TWR
LUČKO	CTR	118.075 MHZ	2 500 FT MSL	TWR
OSIJEK	CTR	128.350 MHZ	3 000 FT MSL	TWR
PULA	CTR	132.000 MHZ	2 500 FT MSL	TWR
RIJEKA	CTR	119.000 MHZ	4 000 FT MSL	TWR
LOŠINJ	CTR	120.300 MHZ	2 000 FT MSL	TWR
ZADAR	CTR	123.700 MHZ	4 000 FT MSL	TWR
SPLIT 1 SPLIT 2	CTR	124.675 MHZ	4 000 FT MSL 3 500 FT MSL	TWR
BRAČ	CTR	118.025 MHZ	4 000 FT MSL	TWR
DUBROVNIK	CTR	129.500 MHZ	4 000 FT MSL	TWR

Tablica /Table 1: Usluga aerodromske kontrole - TWR / Aerodrome control service - TWR

UNIT	AREA	MAIN FREQ	VERT. LIMITS	SERVICE TYPE
ZAGREB	TMA Zagreb	119.540 MHZ	Vidi/See AIP ENR 2.1	Radar
		120.700 MHZ		Za State ACFT koji nemaju mogućnost 8.33 KHZ/For State ACFT, 8.33 KHZ not capable
PULA	TMA Pula	124.600 MHZ 127.675 MHZ		Radar
SPLIT	TMA Split	120.875 MHZ		Radar
ZADAR	TMA Zadar	128.525 MHZ		Radar
DUBROVNIK	TMA Dubrovnik	123.600 MHZ		Radar
OSIJEK	TMA Osijek	128.350 MHZ		APP

Tablica /Table 2: Usluga prilazne kontrole - APP / Approach control service - APP

UNIT	AREA	MAIN FREQ	VERT. LIMITS	SERVICE TYPE
ACC/Lower	FIR Zagreb	131.275 MHZ 121.500 MHZ Emergency FREQ	FL 285-	Radar

Tablica /Table 3: Usluga oblasne kontrole - ACC (Sektorizacija u ACC Zagreb) /  
Area control service - ACC (Sectorisation within ACC Zagreb)

**ENR 2.2 USLUGE LETNIH INFORMACIJA****ENR 2.2 FLIGHT INFORMATION SERVICE**

Uslugu letnih informacija obavlja svaka nadležna KZP , a posebno je provodi sljedeća lokalna jedinica:

Flight information service is provided by each ATC Unit, and especially by local positions of the following unit:

<b>UNIT</b>	<b>FREQUENCY</b>	<b>TEL</b>	<b>FAX</b>
FIC Zagreb	135.050 MHz	+385 1 6259503	+385 1 6259558

Tablica /Table 4: Posebna jedinica FIS-a / Separate FIS unit

Sve informacije mogu se pribaviti od bilo koje jedinice koja obavlja uslugu letnih informacija, a po mogućnosti od najbliže.

All information can be obtained by any unit providing FIS, preferably by the nearest one.

Meteorološke informacije koje se odnose na čitavu Republiku Hrvatsku dostupne su pri svakoj jedinici koja obavlja uslugu letnih informacija.

Meteorological information concerning whole Republic of Croatia are available at each unit providing FIS.

Tijekom pružanja usluge letnih informacija, pilot na VFR letu odgovoran je za:

- brižljivo i temeljitu pripremu leta
- slušanje dostupnih radioemisija
- uspostavljanje radiokomunikacije, ako to smatra potrebnim za sigurnu provedbu leta
- javljanje pozivnog znaka zrakoplova, aerodroma odlaska, aerodroma dolaska, pozicije, razine i planirane rute pri uspostavi radiokomunikacije;
- slušanje frekvencije
- kratka i jasna javljanja
- javljanje namjeravane promjene razine
- javljanje napuštanja kontroliranog zračnog prostora
- javljanje namjeravanog ulaska u kontrolirani zračni prostor
- javljanje napuštanja frekvencije ako je radiokomunikacija bila uspostavljena.

When FIS is provided to an aircraft, pilot conducting VFR flight is responsible for:

- careful and complete pre-flight planning
- listening of available broadcasting services
- establishing radio communication, if deemed necessary for safe conduct of the flight
- transmitting the call sign of the aircraft, departure aerodrome, destination aerodrome, position, level and planed route when establishing radio communication;
- frequency listening watch
- keeping reports brief
- reporting intended altitude changes
- reporting leaving controlled airspace
- reporting the intention to enter controlled airspace
- reporting of leaving the control frequency, if the communication was established.

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ENR 2.3 PODRUČJE OBAVEZNE  
UPORABE RADIO OPREME (RMZ)

ENR 2.3 RADIO MANDATORY ZONES  
(RMZ)

VFR letovi koji operiraju u područjima obavezne uporabe radio opreme (RMZ) moraju kontinuirano pratiti glasovnu komunikaciju zrak-zemlja i prema potrebi uspostaviti dvosmjernu komunikaciju na odgovarajućem komunikacijskom kanalu.

VFR flights operating in Radio Mandatory Zones (RMZ) shall maintain continuous air-ground voice communication watch and establish two-way communication, as necessary, on the appropriate communication channel.

Prije ulaska u područje obavezne uporabe radio opreme, piloti na odgovarajućem komunikacijskom kanalu moraju uputiti inicijalni poziv koji sadrži oznaku pozivane postaje, pozivni znak, tip zrakoplova, položaj, razinu i namjeru leta.

Before entering a radio mandatory zone, an initial call containing the designation of the station being called, call sign, type of aircraft, position, level and the intentions of the flight, shall be made by pilots on the appropriate communication channel.

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora / Name Lateral limits Vertical limits Class of airspace	Jedinica službe / Unit providing service	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme / Call sign Languages used Area and conditions of use Hours of service	FREQ / Namjena  FREQ / Purpose	Primjedbe / Remarks
1	2	3	4	5
<b>RMZ Osijek</b> 453642N 0183557E 453027N 0185943E 452853N 0185922E Along the FIR boundary Zagreb/Beograd 452140N 0185952E 451714N 0185645E 452614N 0183019E 453642N 0183557E (same lateral limits as CTR Osijek) 1000 FT AGL/GND Airspace class: G	AD Osijek	Osijek TWR/Radio Croatian/English	128.350 MHZ	RMZ outside Osijek ATS operating hours

<b>Naziv</b> <b>Bočne granice</b> <b>Vertikalne granice</b> <b>Klasa zračnog prostora /</b> <b>Name</b> <b>Lateral limits</b> <b>Vertical limits</b> <b>Class of airspace</b>	<b>Jedinica</b> <b>službe /</b> <b>Unit</b> <b>providing</b> <b>service</b>	<b>Pozivni znak</b> <b>Jezici</b> <b>Područje i uvjeti</b> <b>primjene</b> <b>Radno vrijeme /</b> <b>Call sign</b> <b>Languages used</b> <b>Area and conditions of</b> <b>use</b> <b>Hours of service</b>	<b>FREQ /</b> <b>Namjena</b>  <b>FREQ /</b> <b>Purpose</b>	<b>Primjedbe /</b> <b>Remarks</b>
1	2	3	4	5
<b>RMZ Brač</b> 432407N 0163907E 431238N 0170124E 430623N 0163848E 431207N 0162737E 432407N 0163907E (same lateral limits as CTR Brač) 1000 FT AGL/GND Airspace class: G	AD Brač	Brač TWR/Radio Croatian/English	118.025 MHZ	RMZ outside Brač ATS operating hours
<b>RMZ Lučko</b> 453838N 0154552E The arc of a circle, radius 18 KM centered at: 454446N 0155638E 455429N 0155649E 454939N 0160309E 453838N 0154552E (same lateral and vertical limits as CTR Lučko) 2500 FT MSL/GND Airspace class: G	AD Lučko	Lucko TWR/Radio Croatian/English	118.075 MHZ	RMZ outside Lucko ATS operating hours
<b>RMZ Rijeka</b> 452815N 0142611E 450454N 0145038E 445714N 0143623E 452039N 0141058E to point of origin. (same lateral limits as CTR Rijeka) 1000 FT AGL/GND Airspace class: G	AD Rijeka	Rijeka TWR/Radio Croatian/English	119.000 MHZ	RMZ outside Rijeka ATS operating hours

<b>Naziv</b> <b>Bočne granice</b> <b>Vertikalne granice</b> <b>Klasa zračnog prostora /</b> <b>Name</b> <b>Lateral limits</b> <b>Vertical limits</b> <b>Class of airspace</b>	<b>Jedinica</b> <b>službe /</b> <b>Unit</b> <b>providing</b> <b>service</b>	<b>Pozivni znak</b> <b>Jezici</b> <b>Područje i uvjeti</b> <b>primjene</b> <b>Radno vrijeme /</b> <b>Call sign</b> <b>Languages used</b> <b>Area and conditions of</b> <b>use</b> <b>Hours of service</b>	<b>FREQ /</b> <b>Namjena</b>  <b>FREQ /</b> <b>Purpose</b>	<b>Primjedbe /</b> <b>Remarks</b>
1	2	3	4	5
<b>RMZ Lošinj</b> 444059N 0141533E 444424N 0143558E 443310N 0143921E A circle R=8 NM centered at 443138N 0142822E (LOS NDB) 443004N 0141724E to point of origin. (same lateral limits as CTR Losinj) 1000 FT AGL/GND Airspace class: G	AD Lošinj	Losinj TWR/Radio Croatian/English	120.300 MHZ	RMZ outside Lošinj ATS operating hours

**Napomena:** Izvan radnog vremena ATS-a, ista frekvencija se koristi i za RMZ (Call sign: Radio)

**Note:** Outside ATS operating hours, same frequency is to be used for RMZ (Call sign: Radio)

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