CROATIA CONTROL

VFR CHART WITH RECOMMENDED VFR ROUTES CROATIA

VFR KARTA S PREPORUČENIM VFR RUTAMA HRVATSKA

SCALE 1 : 500 000

Effective date: 18 APR 2024

For the latest aeronautical information consult AIP, AIP-Supplements and NOTAMs

ATTENTION: Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!
Spot elevations and contour lines are in feet!

Highest spot elevation in ft AMSL in Croatia 44 03 40N 016 22 57E 6026ft

Highest spot elevation in ft AMSL on the chart 46 23N 013 50E 9397ft

Elevations in ft

LEGEND

Topography
- Contour
- Approximate contour
- Bluff, cliff or escarpment
- Mountain pass with elevation in ft AMSL
- Spot elevation in ft AMSL
- Highest spot elevation in ft AMSL in Croatia
- National park; natural park
- **Hydrography**
- Shore line
- Salt pans
- Large river
- River
- < 20 m
- Small river; brooks
- Lake
- Swamp
- **Culture**
- Built-up areas
- City, town, village
- Dual highway with connectors
- Dual highway tunnel
- Highway
- Highway under construction
- Primary road
- Secondary road
- Road under construction
- Road bridge
- Road tunnel
- Railroad (single track)
- Railroad (two or more tracks)
- Railroad bridge
- Railroad tunnel
- Cable way
- Zip line
- Transmission line
- Isogonic line

Aerodromes
- Airport; name, location indicator; AD elevation in ft AMSL, RWY length in metres
- Joint civil and military airport; name, location indicator; AD elevation in ft AMSL, RWY length in metres
- Airfield; name, location indicator; AD elevation in ft AMSL, RWY length in metres
- Closed water aerodrome
- Abandoned or closed aerodrome
- Heliport; elevation in ft AMSL
- Oil or gas rig with helideck; elevation in ft AMSL
- Hard surface runway
- Unpaved runway

Radio Navigation Aids
- VOR — Compass rose oriented on the VOR; Magnetic North (VAR 2019.)
- VOR/DME — Collocated VOR and DME radio navigation aids; DME
- NDB — Non-directional radio beacon

Air Traffic Services
- Flight Information Region (FIR)
- Line of Responsibility (LoR) — from FL126 to FL660; from GND to FL126; from GND to FL125
- Boundaries (international)
- Control zone (CTR) — Designation of CTR; Airspace classification; Vertical limit; TWR Frequency
- Aerodrome traffic zone (ATZ) — Designation; Airspace classification; Vertical limit
- Areas with possible radio communication difficulties for low level flights
- Terminal control area (TMA), airspace class. C,D
- Terminal control area (TMA), airspace class. E
- Prohibited, Restricted and Danger area — Active only as notified by NOTAM; Permanently active; LDPr LDRe LDDZ; Identification of area; Nationality letter; P=Prohibited; R=Restricted; D=Danger
- Danger area over high seas
- Temporary reserved and segregated area — From GND to 1000FT active only as notified by NOTAM; Identification of area; Nationality letter; TR=Temporary reserved; TSA=Temporary segregated; Upper limit; Lower limit
- FLEXIBLE STRUCTURES — Flexible structures LD111; can be activated as: D-AMA, TRA, TSA; can be subtab as: LDTr11-AMA, LDTS111-AMA; See AIP, ENR 1.9.2; For all Danger areas, TRAs and TSAs see AIP: ENR 5.1, 5.2
- Low level military flight corridors and training areas — P-3
- Reporting point — GIRDA
- Holding fix with WGS-84 coordinates — W4
- Entry/exit point — L2 45 22 02N 016 33 56E Sunja
- Breakpoint description along Recommended VFR route

CONVERSION SCALE

(m)	ft	ELEVATION TINTS	Metres	Feet
(2800)	9187		3200	10000
(2600)	8531		2800	9000
(2400)	7874		2600	8000
			2400	7000
(2000)	6562		2000	6000
			1600	5000
(1600)	5250		1200	4000
(1200)	3937		800	3000
(800)	2625		400	2000
(400)	1313		200	1000
(200)	657		0 m = 0 ft	
(0)	0	KARST FIELDS		

SIGNIFICANT VFR POINTS
(Reporting and Entry/Exit point)

A1	45 32 43N	018 17 09E	M1	45 07 31N	014 31 42E
A2	42 38 42N	017 56 51E	MAZEV	42 29 12N	018 18 07E
A3	43 39 31N	016 08 49E	N1	45 51 22N	015 48 22E
B1	45 39 31N	018 02 28E	N2	45 51 22N	016 00 45E
B2	42 30 25N	018 13 38E	N3	45 45 21N	016 00 45E
B3	43 44 32N	016 16 57E	N4	45 16 18N	014 42 50E
C1	45 34 42N	018 35 07E	N5	45 11 49N	013 44 52E
C2	42 43 23N	018 17 28E	NIVES	45 13 00N	015 59 31E
C3	43 23 29N	016 41 23E	O1	44 41 37N	014 23 36E
D1	45 31 28N	018 50 31E	O2	44 12 04N	015 40 57E
D2	42 18 18N	018 14 31E	P1	45 13 31N	014 35 45E
D3	43 11 04N	016 36 04E	P2	44 19 31N	015 04 45E
E1	45 17 28N	018 23 33E	P3	45 48 51N	015 49 56E
E2	45 56 49N	016 09 32E	P4	44 36 10N	014 29 55E
E3	44 40 11N	014 31 57E	P5	44 31 20N	013 53 20E
E5	42 27 09N	018 26 11E	PEPIM	44 46 11N	013 37 27E
F1	44 57 18N	019 03 48E	R1	44 03 40N	014 56 00E
H1	45 17 28N	019 18 33E	RONKA	43 29 18N	016 23 31E
H2	44 27 44N	014 32 50E	S1	45 29 07N	015 59 31E
H3	43 11 04N	016 36 04E	S2	45 42 30N	016 06 34E
H4	44 48 16N	015 48 22E	S3	44 30 40N	014 18 26E
H5	44 51 20N	014 23 12E	S4	44 03 31N	015 23 54E
K1	45 01 54N	014 32 32E	S5	43 35 19N	015 55 26E
K2	43 49 49N	015 18 04E	USELU	45 29 39N	014 03 17E
K3	43 11 04N	016 36 04E	V1	44 08 39N	014 56 00E
K4	46 14 23N	016 07 32E	V2	43 08 39N	016 31 20E
K5	45 50 59N	016 03 29E	V3	44 34 33N	014 18 58E
KONAS	45 10 56N	013 56 47E	V5	45 40 19N	015 39 04E
L1	45 17 29N	014 16 33E	W2	44 04 22N	015 11 47E
L2	45 22 02N	016 33 56E	W3	43 44 09N	015 41 11E
L3	43 34 41N	016 12 58E	W4	44 59 38N	013 44 23E
L4	44 31 51N	014 28 15E	W5	44 48 39N	013 58 39E
L5	45 35 03N	016 12 40E	Z1	43 50 46N	015 49 08E

REPORTING POINTS

ABLAT	45 23 39N	013 37 34E	NETKO	43 02 30N	017 39 42E
ADSIA	44 55 42N	017 14 54E	NIKOL	44 13 19N	013 41 10E
ALIVO	45 31 24N	014 44 21E	NIVES	45 13 26N	015 54 27E
ARMIV	45 28 57N	014 16 24E	NOVLO	45 13 46N	016 57 11E
BABAG	45 23 13N	013 07 37E	OBUTI	46 22 42N	016 16 37E
BAREB	45 44 48N	019 24 48E	ORVAT	43 29 49N	017 12 58E
BEDOX	46 15 58N	015 49 34E	OSDUR	45 47 10N	018 08 01E
BEGOV	45 27 59N	013 44 24E	OSIJEK	45 32 59N	018 41 59E
BUGEV	45 27 59N	013 44 24E	PETOV	46 18 30N	015 58 56E
CRAYE	41 30 19N	018 07 45E	PEVON	43 33 31N	017 02 24E
DARZA	45 29 47N	015 00 26E	PIXIDT	44 55 17N	015 37 56E
DEPET	44 40 44N	015 58 10E	RASTU	44 56 32N	015 44 56E
DEVUL	45 08 39N	014 58 10E	RIDIK	45 04 39N	015 58 10E
DIRVA	45 28 13N	014 12 15E	ROTAR	45 50 20N	013 39 15E
GIRDA	45 29 32N	014 08 02E	ROTAR	45 15 46N	012 59 44E
GISAV	41 55 57N	017 43 31E	RUDIK	44 59 48N	016 18 18E
GORPA	45 46 29N	015 21 12E	SABAD	45 27 57N	014 52 03E
GUBOK	45 09 39N	016 57 11E	SIVLA	45 09 39N	017 39 42E
IBENI	44 00 51N	015 16 18E	SIVLA	45 06 07N	016 22 54E
KATTI	42 30 29N	018 02 56E	SONIK	44 26 54N	016 09 36E
KENEM	43 36 10N	016 56 48E	TEBLI	45 20 39N	016 40 32E
KOPRY	46 14 29N	016 57 48E	TEPKO	41 44 27N	018 25 41E
KOREX	44 46 19N	015 48 09E	TIBRI	42 24 39N	018 33 15E
LABIN	44 59 09N	013 05 29E	TORPO	43 33 51N	014 23 29E
LAPOV	45 09 39N	018 41 59E	TUVAR	45 09 39N	018 23 59E
LOKDI	41 29 42N	018 22 22E	UMBEK	45 32 40N	013 29 11E
LULUD	45 50 39N	015 41 00E	UNIPA	44 01 46N	016 28 58E
LURID	45 08 09N	017 23 58E	VALSU	42 00 51N	018 31 37E
MADOS	42 36 09N	018 14 57E	VAPUP	43 03 21N	015 12 20E
MAGAM	45 58 20N	015 42 11E	VELUG	43 08 39N	016 31 20E
MONPA	42 27 01N	018 39 46E	VELUG	42 54 27N	015 26 15E
MONPA	42 27 01N	018 39 46E	VELUG	42 54 27N	015 26 15E
NDKIN	46 24 29N	018 42 12E	VELUG	44 59 57N	016 43 58E
NEMEK	45 34 29N	015 17 53E	VELIKA GORICA	VG	329Ch	45 43 21.30N	016 02 31.44E
NERRA	42 54 19N	017 52 39E	XAMIT	43 18 42N	014 47 52E
			ZADAR	ZK	349Ch	44 05 40.40N	015 21 54.26E

NOTE:
FOR AERODROME OPENINGS CONSULT RELEVANT PUBLICATIONS!

NOTE:
FOR AERONAUTICAL DATA OUTSIDE THE AIRSPACE OF ZAGREB FIR CONSULT RELEVANT PUBLICATIONS

NOTE:
For entering CTR airspace two-way radio communication required. Contact Tower normally at reporting points or any other point but not later than 3 min prior to entering CTR.

NOTE:
Low level flights in areas with mountainous terrain may encounter difficulties in establishing and maintaining radio communications with ZAGREB ACC.

VOR/DME

BARNA	VBA	CH 121X	117.400MHz	45 44 52.08N	017 08 48.29E
DUBROVNIK	DBK	CH 101X	115.400MHz	42 33 13.84N	018 16 38.79E
LOŠINJ	NTL	CH 120Y	117.350MHz	44 33 59.44N	014 23 27.79E
PULA	PUL	CH 49Y	111.250MHz	44 53 32.52N	013 55 05.23E
RIJEKA	RJK	CH 125X	117.800MHz	45 13 26.85N	014 34 01.06E
SPLIT	SPL	CH 104X	115.700MHz	43 29 47.69N	016 18 17.00E
ZADAR	ZDA	CH 20X	108.600MHz	44 05 43.16N	015 21 51.32E
ZAGREB	ZAG	CH 84X	113.700MHz	45 53 44.01N	016 18 24.11E

DME

BRAČ	BRC	CH 101Y	43 16 56.93N	016 37 20.83E
DUBROVNIK	IDU	CH 56X	42 34 08.19N	018 15 07.96E
JAPETIĆ	JAP	CH 122Y	45 44 40.18N	015 36 29.45E
LOŠINJ	LSJ	CH 21Y	44 30 57.22N	014 29 27.66E
LUKAVEC	LUK	CH 33Y	45 41 25.96N	015 59 32.90E
OSIJEK	KLS	CH 29Y	45 27 55.26N	018 41 32.16E
OSIJEK	ISJ	CH 48X	45 27 51.96N	018 47 59.67E
PETROVA GORA	PTG	CH 17Y	45 16 46.02N	015 40 20.06E
SPLIT	IST	CH 42X	43 31 57.61N	016 17 20.46E
ZAGREB	GIA	CH 52X	109.500MHz	45 44 05.78N	016 03 12.43E

NDB

BREZA	BRZ	409KHz	45 25 25.14N	014 20 43.44E
CRES	CRE	433KHz	44 54 10.37N	014 24 59.57E
DRVENIK	DVN	416KHz	43 26 48.24N	016 08 37.08E
HUMAC	HUM	412KHz	43 17 13.88N	016 40 42.42E
KAKMA	ZMA	330KHz	43 59 49.76N	015 29 47.31E
KAVRAN	KAV	269KHz	44 53 43.27N	014 00 29.66E
KOLOČEP	KLP	318KHz	42 40 09.42N	018 01 15.03E
LOŠINJ	LOS	429KHz	44 31 37.59N	014 29 22.25E
OSIJEK	OSI	344KHz	45 27 55.26N	018 41 32.16E
PISAROVINA	PIS	424KHz	45 36 19.19N	015 50 38.39E
PULA	PLA	351.5KHz	44 53 21.15N	013 45 12.66E
SAL	GAL	421KHz	43 56 19.39N	016 16 05.22E
TOUNJ	TNJ	319KHz	45 14 53.22N	015 21 01.25E
TROGIR	TRI	379KHz	43 29 48.59N	016 13 20.78E
VRSAR	VRS	369KHz	45 12 36.66N	013 38 56.31E

BOKANJAC	BO	395KHz	44 10 09.29N	015 15 50.41E
ČIAVTAT	CV	397KHz	42 35 08.58N	018 12 45.51E
ČEPIN	CE	372KHz	45 31 42.33N	018 33 36.18E
GRUDA	GR	414KHz	42 52 36.35N	018 19 14.97E
RIJEKA	RI	289KHz	45 08 15.04N	014 39 10.56E
SVKALJEVEC	SK	290KHz	46 04 20.96N	016 09 02.78E
VELIKA GORICA	VG	329KHz	45 43 21.30N	016 02 31.44E
ZADAR	ZK	349KHz	44 05 40.40N	015 21 54.26E

Obstacles
- Obstacles or group of obstacles with a height of the order of 100 m AGL- lighted
- Elevation on top in ft AMSL
- Obstacles or group of obstacles
- Obstacle 40 m AGL and higher - lighted
- Obstacles or group of obstacles - unlighted
- Elevation on top in ft AMSL (of doubtful accuracy)
- Obstacle with no elevation data
- Oil or gas rig
- Group of wind turbines, lighted

Recommended VFR route

VFR recommended route in Bosnia and Herzegovina

VFR transit route in Slovenia

Mandatory (arrival - departure) VFR route

Paragliding and hang gliding activity zone (vertical limit GND-1000 AGL if not specified on the chart)

Parachute activity zone; Vertical limits

Glider activity zone; Glider, paragliding and hang gliding activity zone

PANON2
ADRIA1
VELEB1
GORAN1

Temporary border of the territorial sea according to the 2002 Protocol.

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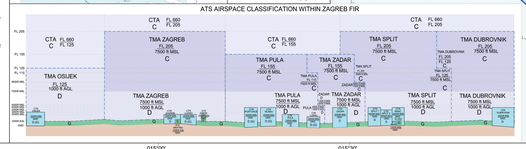
eGAFOR route network See AIP, GEN 3.5.4.4.

FLEXIBLE STRUCTURES

ATS AIRSPACE CLASSIFICATION WITHIN ZAGREB FIR



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KILOMETERS 10 5 0 10 20 30 40 50 60 70 80 90 100 KM

NAUTICAL MILES 10 5 0 10 20 30 40 50 60 NM

Elevations in ft

COORDINATES EXPRESSED IN WGS 84

Transverse Mercator Projection, Bessel Ellipsoid, Central meridian 016° 30' 00" FRSF 0.9997