

INSTRUMENT APPROACH
CHART-ICAO

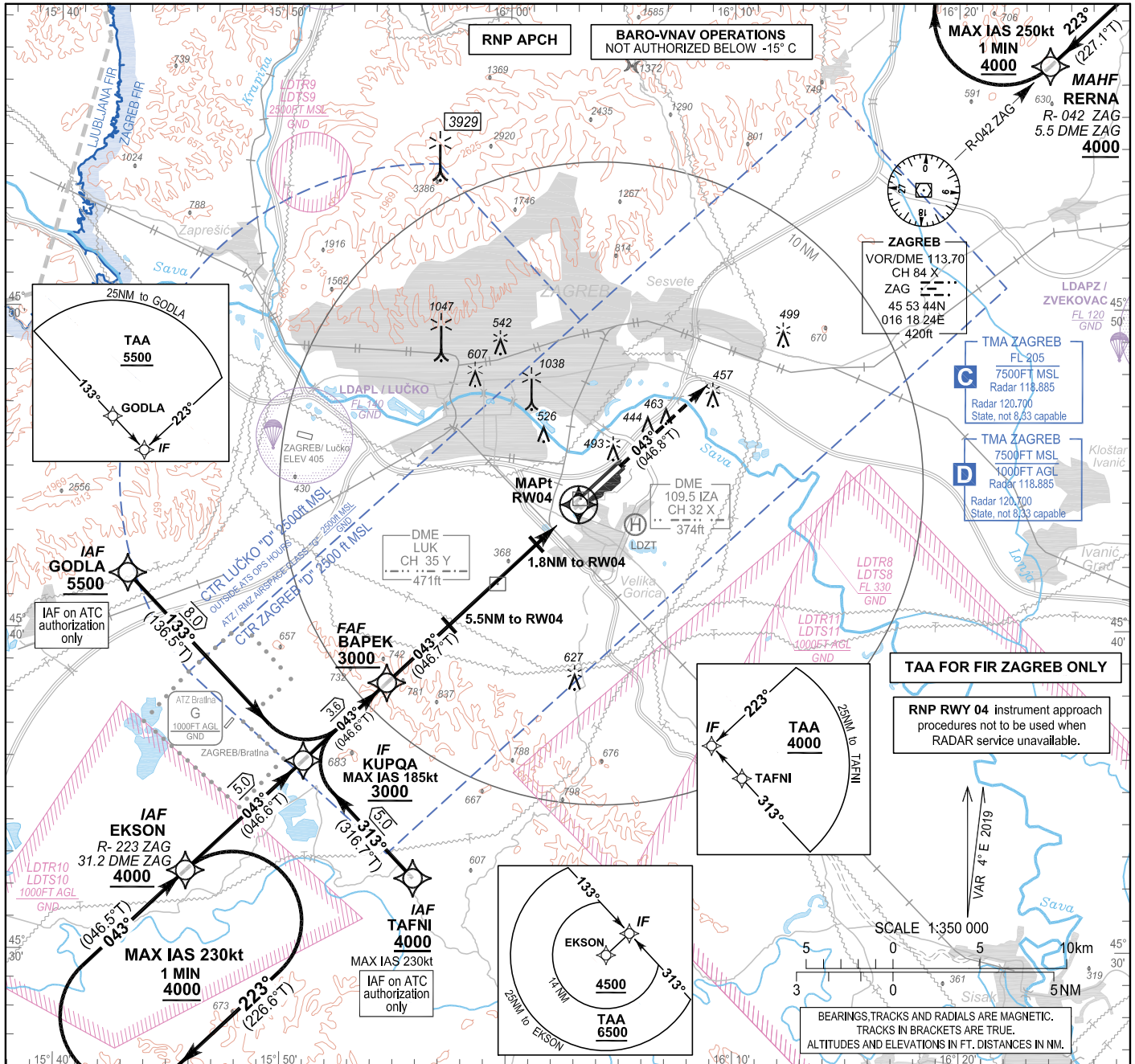
AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

SBAS
CH:95327
E04A

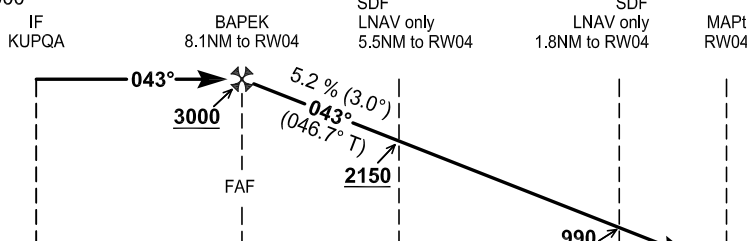
ZAGREB ATIS 124.575
ZAGREB RADAR 118.885
ZAGREB RADAR 120.700 State, not 8.33 capable
ZAGREB TOWER 118.300

ZAGREB / Franjo Tuđman (LDZA)

RNP RWY 04



TRANSITION ALT 10 000



MISSED APPROACH
RNAV
RW04 - RERNA[A4000]

NON RNAV
Climb straight ahead to ZAG VOR/DME. At ZAG VOR/DME proceed on R-042 ZAG to RERNA (5.5 DME ZAG) climbing to 4000 ft and hold.

THR ELEV 353

NM to/from THR 04

OCA(H)		A	B	C	D
Straight-in approach	LNAV	710 (357)			
	LNAV/VNAV	610 (257)		620 (267)	
	LPV	610 (257)		620 (267)	
CIRCLING		860 (507)	890 (537)	990 (637)	1090 (737)

Note: Circling for ACFT CAT B, C and D NW of aerodrome not allowed

DIST THR / RW04	NM	8	7	6	5	4	3	2	1
Altitude	ft	2950	2640	2320	2000	1680	1360	1040	730
Timing not authorized for defining the MAPt									
GS	kt	80	100	120	140	160	180		
BAPEK -RW04 (8.1NM)	min:sec	6:05	4:52	4:03	3:28	3:02	2:42		
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955		

Change: ZAGREB RADAR frequency; Parachuting zones updated; Heliport LDZT added; Editorial.

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZA
Runway	04
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E04A
LTP/FTP Latitude	454354.7490N
LTP/FTP Longitude	0160307.0885E
LTP/FTP Ellipsoidal Height (metres)	152.6
FPAP Latitude	454507.2300N
Delta FPAP Latitude (seconds)	72.4810
FPAP Longitude	0160457.3140E
Delta FPAP Longitude (seconds)	110.2255
Threshold Crossing Height	53.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	16
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 01 1A 04 0C 04 00 00 01 34 30 05 FA 40 A0 13 A1 85 E3 06 F6 19 42 36 02 23 5D 03 12 02 2C 01 64 02 C8 FA 44 FF A0 EB
Calculated CRC Value	44FFA0EB

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	107.5

LDZA RNP RWY04													
Proposed tabular description for navigation database coding - APPROACH TRANSITION													
Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GODLA	-	-	4°E	-	-	+5500	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	KUPQA	-	133° (136.5°T)	4°E	8.0	-	+3000	-185	-	-	RNP APCH
010	IAF	IF	EKSON	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	KUPQA	-	043° (046.6°T)	4°E	5.0	-	+3000	-185	-	-	RNP APCH
010	IAF	IF	TAFNI	-	-	4°E	-	-	+4000	-230	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	KUPQA	-	313° (316.7°T)	4°E	5.0	-	+3000	-185	-	-	RNP APCH
Proposed tabular description for navigation database coding - FINAL TRANSITION													
Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	KUPQA	-	-	4°E	-	-	+3000	-185	-	-	RNP APCH
020	FAF	TF	BAPEK	-	043° (046.6°T)	4°E	3.6	-	+3000	-	-	-	RNP APCH
030	MAPt	TF	RW04	Y	043° (046.7°T)	4°E	8.1	-	-	-	3.0 / 53.0	-	RNP APCH
040	MAHF	TF	RERNA	-	043° (046.8°T)	4°E	20.0	-	4000	-	-	-	RNP APCH
050	MAHF	HM	RERNA	-	223° (227.1°T)	4°E	1 MIN	R	4000	-250	-	Holding above 4000ft on ATC clearance only	RNAV 1
RNAV HOLDING tabular description													
Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC			
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230	4°E	-	RNAV 1			
RERNA	HM	223° (227.1°T)	1MIN / -	R	4000	-	250	4°E	-	RNAV 1			
Waypoint coordinates													
Waypoint name	WGS-84 Latitude	WGS-84 Longitude											
GODLA	454142.4N	0154308.3E											
EKSON	453227.7N	0154548.4E											
TAFNI	453215.6N	0155551.9E											
KUPQA	453553.8N	0155058.8E											
BAPEK	453820.0N	0155439.7E											
RW04	454354.75N	0160307.09E											
RERNA	455735.6N	0162402.7E											

Change: ZAGREB RADAR frequency; Parachuting zones updated; Heliport LDZT added; Editorial.

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