

INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 22 ELEV 348

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

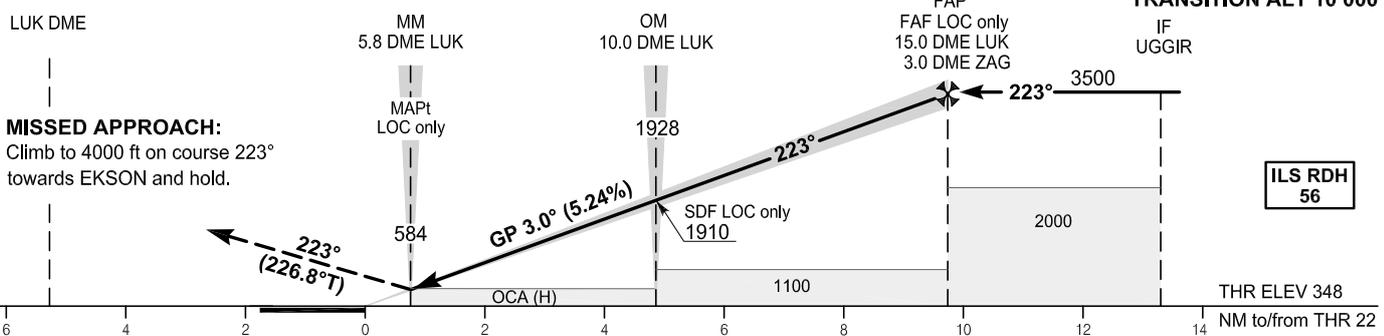
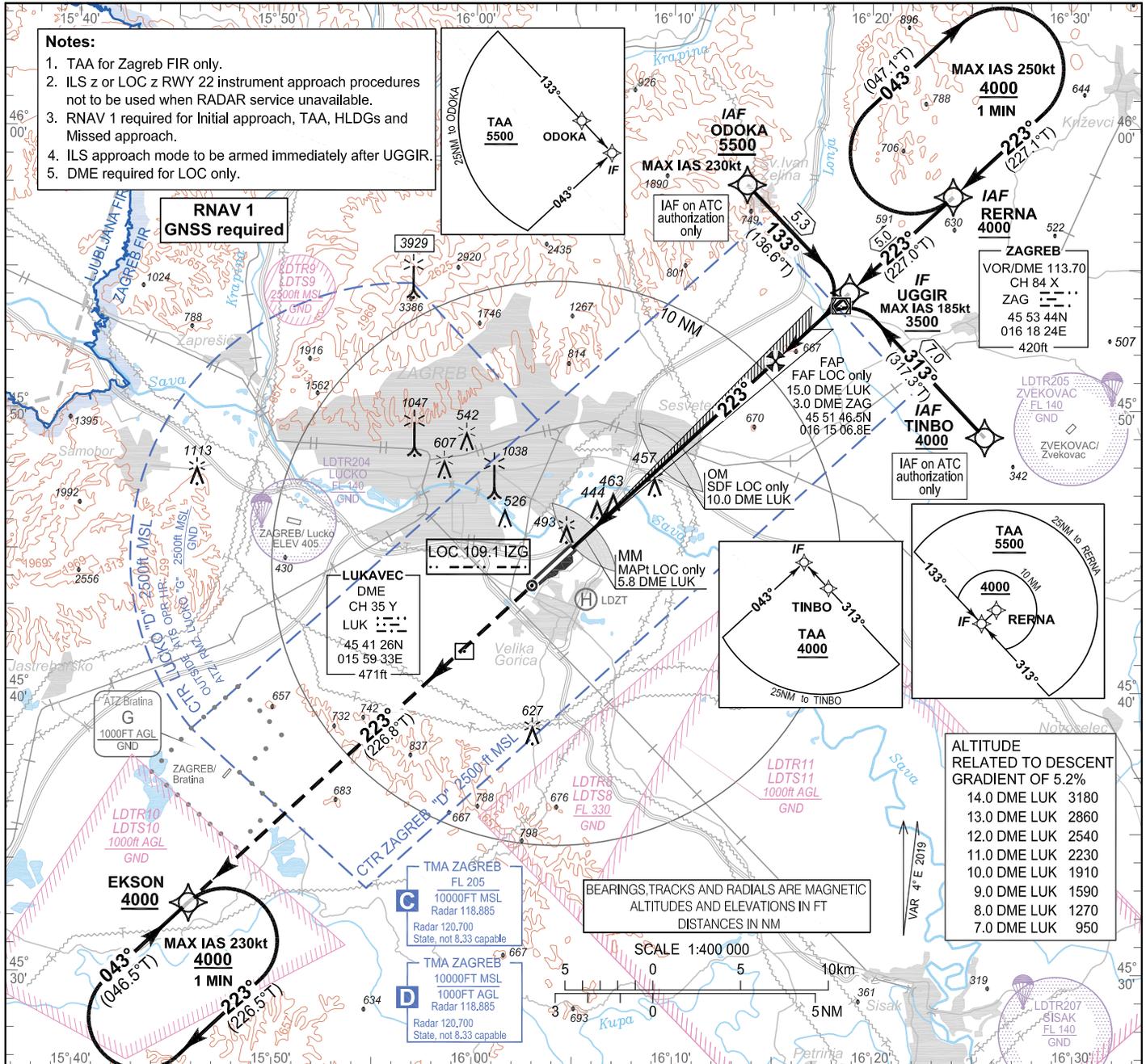
ZAGREB / Franjo Tuđman (LDZA)

ILS z or LOC z RWY 22
(RNAV 1 to ILS or LOC transition)

Notes:

1. TAA for Zagreb FIR only.
2. ILS z or LOC z RWY 22 instrument approach procedures not to be used when RADAR service unavailable.
3. RNAV 1 required for Initial approach, TAA, HLDGs and Missed approach.
4. ILS approach mode to be armed immediately after UGGIR.
5. DME required for LOC only.

RNAV 1
GNSS required



OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	496 (148)	506 (158)	516 (168)	529 (181)
	LOC only	730 (380)			
Circling		790 (440)	850 (500)	950 (600)	1050 (700)

GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

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

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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	ODOKA	-	-	4°E	-	-	+5500	-230	-	IAF on ATC authorization only	RNAV 1
020	IF	TF	UGGIR	-	133° (136.6°T)	4°E	5.3	-	+3500	-185	-	-	
010	IAF	IF	RERNA	-	-	4°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	UGGIR	-	223° (227.0°T)	4°E	5.0	-	+3500	-185	-	-	
010	IAF	IF	TINBO	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNAV 1
020	IF	TF	UGGIR	-	313° (317.3°T)	4°E	7.0	-	+3500	-185	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 22

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
FAF LOC only	45 51 46.5N 016 15 06.8E	226.81° (IZG LOC)	15.02 DME LUK 3.02 DME ZAG
SDF LOC only (OM 22)	45 48 20.56N 016 09 52.34E	226.81° (IZG LOC)	10.00 DME LUK
MAPt LOC only (MM 22)	45 45 29.91N 016 05 31.84E	226.81° (IZG LOC)	5.84 DME LUK

LDZA ILS z or LOC z RWY 22 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - MISSED APPROACH

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	MAHF	CF	EKSON	-	223° (226.8°T)	4°E	-	-	+4000	-	-	-	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	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
RERNA	HM	223° (227.1°T)	1 MIN / -	R	4000	-	250	4°E	-	RNAV 1
EKSON	HM	043° (046.5°T)	1 MIN / -	R	4000	-	230	4°E	Holding above 4000 ft on ATC clearance only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
EKSON	453227.7N	0154548.4E
ODOKA	455801.1N	0161340.1E
RERNA	455735.6N	0162402.7E
TINBO	454903.8N	0162538.1E
UGGIR	455412.2N	0161850.0E